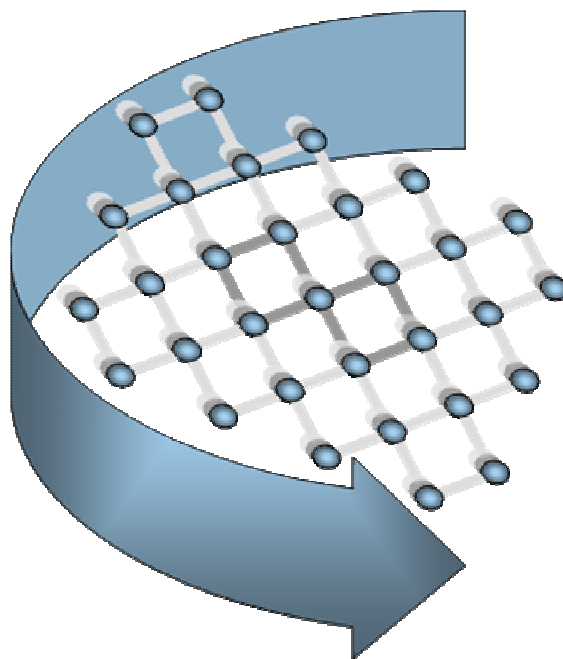


Pedidos de Patente sobre Nanomateriais – nº 3



Pedidos publicados no
1º semestre de 2012

INSTITUTO NACIONAL DA PROPRIEDADE INDUSTRIAL - INPI

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1. INTRODUÇÃO

1.1 ALERTA TECNOLÓGICO

O Instituto Nacional da Propriedade Industrial (INPI) é uma Autarquia Federal, vinculada ao Ministério do Desenvolvimento, Indústria e Comércio Exterior (MDIC), responsável pela concessão de patentes, registros de desenhos industriais, registro de marcas, averbação de contratos de transferência de tecnologia, registro de programas de computador, indicações geográficas e topografias de circuito integrado.

O Centro de Disseminação da Informação Tecnológica (CEDIN), subordinado à Diretoria de Cooperação para o Desenvolvimento (DICOD), tem como uma de suas atribuições divulgar e disseminar informações bibliográficas e técnicas contidas em documentos de patentes. Para tanto, o CEDIN dispõe da Coordenação de Estudos e Programas (CEPRO), cuja incumbência é elaborar publicações fundamentadas, essencialmente, em informações extraídas de documentos de patente¹.

A patente é uma importante fonte formal de informação, por meio da qual pode-se ter acesso à detalhes técnicos de invenções que, em alguns casos, não são descritos em livros ou em artigos técnicos.

O objetivo desta publicação, de periodicidade semestral, é alertar sobre os depositantes mais expressivos em determinado período, os países onde o primeiro depósito foi solicitado (país de prioridade), as áreas tecnológicas mais solicitadas e divulgar os títulos dos pedidos de patentes publicados mundialmente em determinado período, permitindo, desta forma, a atualização periódica de seu público alvo.

Mais detalhes sobre cada pedido, tais como o resumo da invenção, o(s) nome(s) do(s) inventor(es) e a cópia do documento completo, podem ser obtidos nas seguintes bases de patente disponíveis gratuitamente na Internet:

¹ Hong, Soonwoo. The Magic of Patent Information, Disponível em; http://www.wipo.int/sme/en/documents/patent_information.htm - basics. Acesso em 10 de outubro de 2008

1. Base Brasileira de Pedidos de Patente²: <http://www.inpi.gov.br>
2. Base do Escritório Europeu de Patentes³: <http://worldwide.espacenet.com>
3. Base do Escritório Americano de Patentes⁴: <http://uspto.gov>

Caso haja interesse em conhecer o depósito de patente brasileiro correspondente (família do pedido de patente⁵), para algum do pedido de patente estrangeiro listado na Tabela 2, sugere-se uma busca de família do mesmo. Neste caso, o Centro de Documentação do INPI – CEDIN informará os procedimentos a serem seguidos, por meio do endereço abaixo.

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Instituto Nacional da Propriedade Industrial – INPI

Diretoria de Cooperação para o Desenvolvimento - DICOD

Centro de Disseminação da Informação Tecnológica – CEDIN

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e-mail: cedin@inpi.gov.br

As cópias integrais dos pedidos de patente de interesse também podem ser solicitadas por meio do endereço copdocpat@inpi.gov.br ou por correio postal ao endereço anteriormente mencionado.

² Esta base contém somente pedidos de patente depositados e publicados no Brasil a partir de 1982.

³ Contém pedidos de patente depositados e publicados em mais de 70 países.

⁴ Contém somente pedidos depositados e publicados nos Estados Unidos.

⁵ Foram selecionados somente os primeiros documentos publicados de cada uma das famílias de patente. O conceito de família de patentes é bastante diversificado e varia de acordo com a base de dados na qual os documentos estão indexados. Em linhas gerais, todos os pedidos de patentes pertencentes a uma mesma família têm, pelo menos, um número de prioridade em comum.

2. PEDIDOS DE PATENTE COM TECNOLOGIAS RELATIVAS À NANOMATERIAIS

A Nanotecnologia constitui uma área nova do conhecimento científico de grande impacto na sociedade. A escala nanométrica é característica de objetos com tamanhos entre as dimensões das moléculas e das partículas submicrométricas. Talvez por esse motivo, o termo nanotecnologia vem sendo utilizado em diferentes contextos e em relação a quase tudo que se possa medir à escala nanométrica.

O mercado mundial para produtos à base de nanotecnologia, estimado para o ano de 2010, foi de US\$ 11 trilhões, sendo que US\$ 340 bilhões correspondiam somente a nanomateriais (Pitkethly 2003 apud Zarbin 2007).

O estudo publicado pela OCDE (2009) revela que 38% das patentes relativas a nanotecnologia depositadas no período entre 2003 e 2005 no mundo são relacionadas à área de nanomaterias. Segundo projeção apresentada no relatório *Nanotechnology Opportunity Report* (2008), o uso desses materiais na produção de produtos de maior valor agregado levará a um mercado de US\$ 1,5 trilhão em 2015.

As propriedades únicas, novas e diferenciadas dos nanomateriais têm atraído a atenção não só de cientistas e centros de pesquisa, mas também das empresas devido ao seu enorme potencial econômico.

De acordo com a pesquisa do Instituto de Pesquisas Econômicas Aplicadas, em oito anos (2000 a 2007) o investimento do governo Brasileiro em nanotecnologia alcançou R\$195 milhões, em um total de R\$ 3,9 bilhões gastos em pesquisa no período. Foram 504 projetos (3,89%) de um total de 12.969 apoiados por financiamento governamental. Desse total, 91 projetos envolveram empresas (César Jr. 2010).

As considerações acima não deixam dúvidas quanto à importância e participação crescente que os nanomateriais terão no cotidiano da sociedade.

Diante do cenário apresentado e da escassez de levantamentos relacionados aos depósitos de patente sobre nanomateriais no mundo, o INPI vem, por meio do CEDIN, facilitar o acesso a estas informações ao público interessado.

Dessa forma, este Alerta Tecnológico tem como objetivo divulgar, a cada semestre, os novos pedidos de patente sobre nanomateriais publicados no mundo.

Diversas definições vêm sendo criadas com objetivo de evitar avaliação incorreta das potencialidades e limitações dos nanomateriais. Entre as definições existentes, a descrição suficientemente abrangente, e normalmente aceita na comunidade científica, considera os nanomateriais como sendo materiais que tem ao menos uma dimensão na faixa de tamanho nanométrica, abaixo de um tamanho crítico capaz de alterar alguma de suas propriedades (Zarbin, 2007). A definição de nanomaterial adotada neste trabalho é a descrita pela ISO/TR 12885-2008: “Nanomaterial engenheirado é um material nanoestruturado e/ou é o que contém nano-objetos”.

Com objetivo de fornecer resultados precisos, embora sem esgotar toda a área de nanomateriais, decidiu-se, para o presente levantamento, selecionar somente os documentos de patente contendo as classificações suplementares B82Y30/00 (Nano tecnologia para ciência de materiais ou de superfícies, por ex., nano compósitos) e B82Y40/00 (Fabricação ou tratamento de nano estruturas), de acordo com as Classificações Internacional e Européia de Patentes.

2.1 CLASSIFICAÇÃO INTERNACIONAL DE PATENTES – CIP

O sistema da Classificação Internacional de Patentes resultou dos esforços conjuntos de órgãos de propriedade industrial de vários países, com o objetivo de dispor, de forma organizada e padronizada, os documentos de patente, a fim de facilitar o acesso (busca) às informações tecnológicas e legais contidas nesses documentos.

O Acordo de Estrasburgo relativo à Classificação Internacional de Patentes (CIP), concluído em 1971, entrou em vigor em 1975 e é administrado pela Organização Mundial da Propriedade Intelectual (OMPI). Qualquer país membro da Convenção da União de Paris pode se tornar membro do Acordo de Estrasburgo. A CIP é uma ferramenta uniforme e utilizada por diversos países e organizações com o objetivo de facilitar a recuperação de documentos de patente.

São signatários do Acordo de Estrasburgo 62 Estados. No entanto mais de 100 escritórios nacionais, 4 escritórios regionais e a Secretaria da OMPI - atuando como escritório receptor do Tratado de Cooperação em Patentes (PCT), também utilizam a CIP.

A cada ano a CIP é revisada de acordo com sugestões discutidas e acordadas pelos representantes dos países signatários. A edição atualizada é disponibilizada no site da OMPI (<http://www.wipo.int/classifications/ipc/>) e no site do INPI (<http://pesquisa.inpi.gov.br/ipc/index.php>).

2.2 CLASSIFICAÇÃO EUROPÉIA DE PATENTES – ECLA

A Classificação Européia de Patentes (ECLA) é uma extensão da Classificação Internacional de Patentes (IPC). Ambas as classificações apresentam oito seções, A-H, as quais são sub-divididas em classes, subclasses, grupos e subgrupos. Este sistema é mais preciso e apresenta duas vezes mais subgrupos (ECLA 135 000 ; CIP: 70 000). A ECLA é revisada continuamente, sendo seus documentos reclassificados. Mais informações podem ser obtidas em: <http://www.epo.org/searching/essentials/classification/ecla.html>.

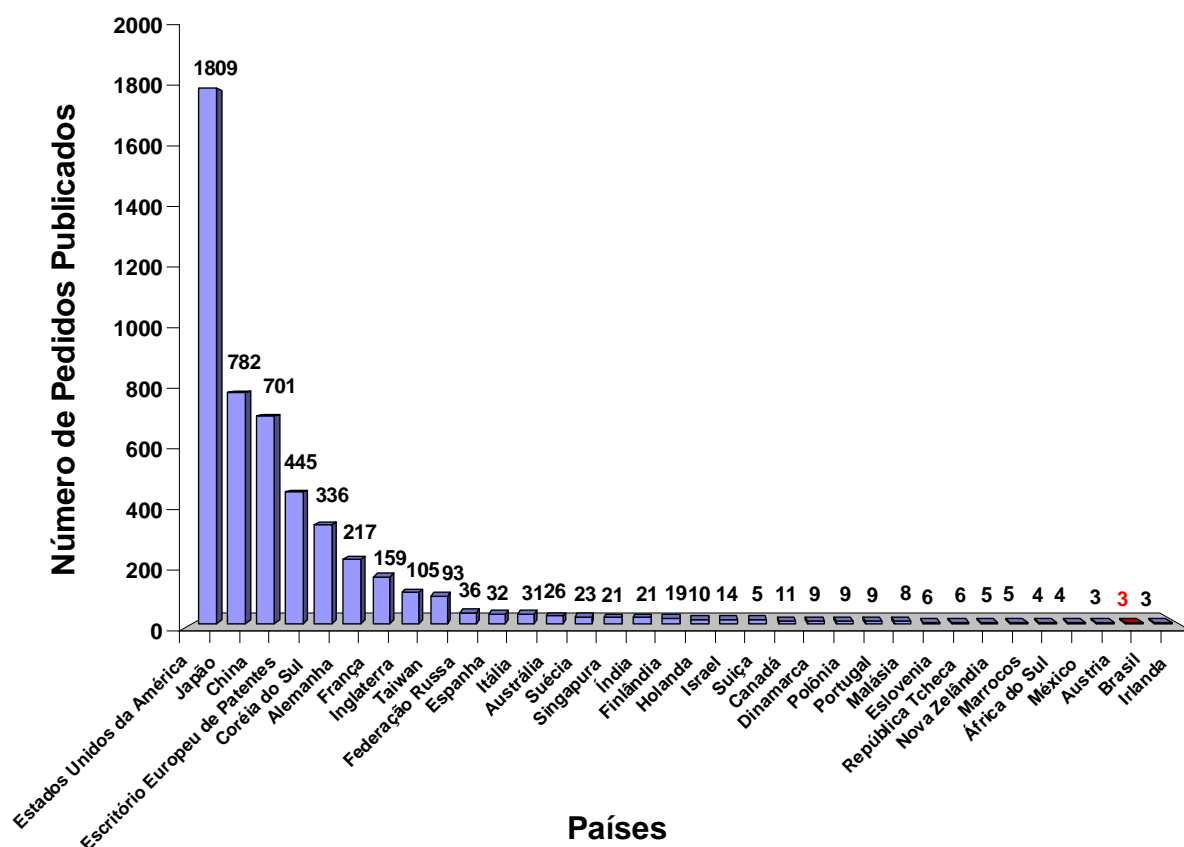
3. RESULTADOS

No semestre pesquisado (1º semestre de 2012) foram selecionados **4527** pedidos de patente que abordam tecnologias relacionadas à nanomateriais. De acordo com o Gráfico 1, podem ser visualizados os códigos dos países⁵ de prioridade⁶ dos pedidos de patente recuperados no período e as ocorrências em cada um dos países (o país de prioridade é o local onde foi feito o primeiro depósito do pedido de patente no mundo para uma determinada tecnologia). Ressalta-se que o depositante pode solicitar a prioridade de seu pedido de patente em um país diferente do país de sua residência, o que não se verifica na maioria dos pedidos. Entretanto, deve-se considerar que alguns depositantes optam por não efetuar seus

⁵ A lista com os códigos dos países está disponível no Anexo I.

⁶ Conforme estabelecido pela Convenção de Paris (CUP) em seu Art. 4º, o primeiro pedido de patente depositado em um dos países membros da Convenção serve de base para depósitos subseqüentes relacionados à mesma matéria, efetuados pelo mesmo depositante ou por seus sucessores legais. Tem-se, assim, o Direito de Prioridade. O prazo para exercer tal direito é de 12 meses, para invenção e modelo de utilidade. Ver art. 16, da Lei da Propriedade Industrial (LPI), nº 9.279/96 – disponível em www.inpi.gov.br

pedidos prioritários primeiramente nos países onde residem, motivados por fatores diversos, tais como: a preferência por outros países que possuem mercados mais atrativos e/ou aqueles nos quais as diversas etapas do processo concessório são mais rápidas.



Fonte: Elaboração própria a partir dos dados disponíveis na base de patentes do Escritório Europeu de Patentes. Acesso em 31/01/2013.

Gráfico 1: Países de Prioridade dos Pedidos de Patente x Número de Pedidos Publicados

Duas inferências podem ser estabelecidas a partir do Gráfico 1: a de que as tecnologias estão sendo desenvolvidas, principalmente, nos países indicados, dado que, na maioria das vezes, os depositantes solicitam a prioridade a partir de seus países de origem; ou a de que há interesse pelo primeiro depósito nos mercados destes países. Portanto, a observação do número de prioridades, nem sempre indica a origem da tecnologia contida nos documentos de patentes publicados, devendo-se proceder análises mais profundas para elaborar uma avaliação mais precisa do potencial de desenvolvimento tecnológico de cada país, dependendo do assunto abordado. Os documentos prioritários identificados nas pesquisas efetuadas estão

distribuídos por trinta e quatro países e pelo Escritório Europeu de Patentes (EPO – European Patent Office) que nesses casos são designados pela sigla EP.

Entre os documentos selecionados (**4527**), apenas **3** têm prioridade brasileira: **BRPI 1002273** - Processo de obtenção de ferritas magnéticas nanoparticuladas e funcionalizadas para fácil dispersão e ferritas magnéticas obtidas através do mesmo; **BRPI PI1009165** - Processo de nucleação e crescimento in situ de cristais nanométricos a base de silicato de cálcio em materiais cimentícios, cristais nanométricos a base de silicato de cálcio e usos dos cristais nanométricos a base de silicato de cálcio; **BRPI 0402338** - Processo de preparação de materiais gráfiticos magnéticos e materiais assim preparados.

Dos documentos com prioridades estrangeiras publicados no período, verificou-se que, até a data desta pesquisa, **5** deles deram origem aos seguintes depósitos no Brasil:

BRPI0612269 - Composição de matéria, produto, e, método para preparar uma composição de matéria.

BRPI0712150 - Compósitos de micropartículas inorgânicas e/ou orgânicas e partículas de nanodolomita.

BRPI0613197 - Partículas coloidais codificadas por múltiplas cores revestidas com mistura de nanopartículas de metal com cores na região visível e método para a preparação da mesma.

BRPI0713118 - Peneira molecular revestida.

BRPI0713496 - Processo para a produção de camadas fotoativas, assim como de componentes que compreendam essas camadas.

Na Tabela 1 são identificados os depositantes com 10 ou mais pedidos de patente publicados no período.

Tabela 1: Relação dos principais depositantes de pedidos de patente publicados no 1º semestre de 2012 e o número de incidências

| Depositante | Total de Documentos |
|-------------|---------------------|
|-------------|---------------------|

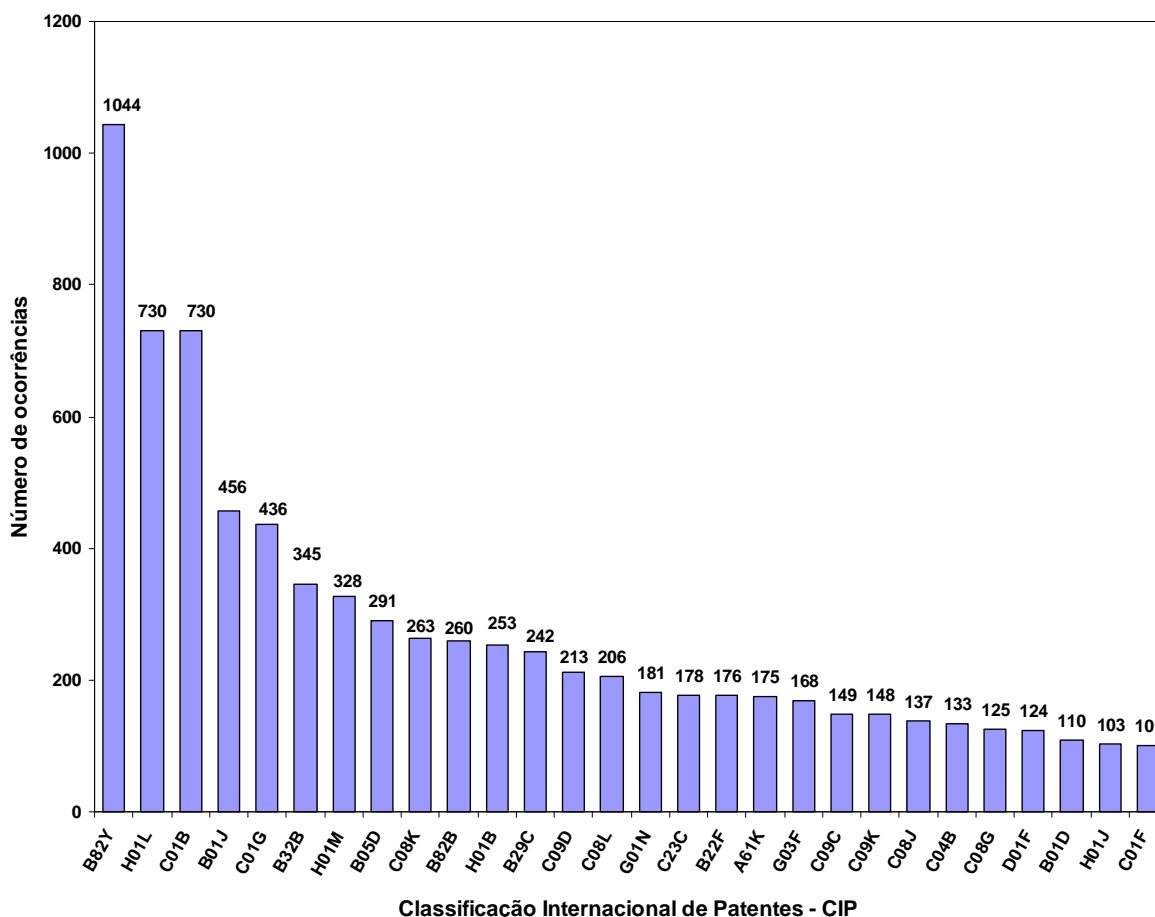
| Depositante | Total de Documentos |
|------------------------------------|---------------------|
| HON HAI PREC IND [TW] | 59 |
| BASF [DE] | 57 |
| UNIV TSINGHUA [CN] | 56 |
| SAMSUNG ELECTRONICS [KR] | 54 |
| TOSHIBA KK [JP] | 52 |
| APPLIED NANOSTRUCTURED SOLS [US] | 47 |
| CANON KK [JP] | 46 |
| CENTRE NAT RECH SCIENT [FR] | 42 |
| DU PONT [US] | 42 |
| COMMISSARIAT ENERGIE ATOMIQUE [FR] | 41 |
| BAYER MATERIALSCIENCE [DE] | 40 |
| UNIV SHAANXI [CN] | 39 |
| UNIV SHANGHAI JIAOTONG [CN] | 39 |
| MAPPER LITHOGRAPHY [NL] | 34 |
| FUJIFILM CORP [JP] | 33 |
| SAMSUNG ELECTRO MECH [KR] | 32 |
| IBM [US] | 31 |
| UNIV CALIFORNIA [US] | 30 |
| UNIV HEBEI [CN] | 30 |

Fonte: Elaboração própria a partir dos dados disponíveis na base de patentes do Escritório Europeu de Patentes.

Acesso em 31/01/2013.

Podem ser observados, nesta tabela, os nomes dos principais depositantes dos pedidos de patente publicados no período sobre tecnologias aplicadas a nanomateriais. A primeira coluna contém os nomes dos depositantes e a sigla de seus países de residência e a segunda, o total de documentos recuperados no período.

No Gráfico 2 podem ser visualizadas as classificações contidas nos pedidos de patente, com 100 ou mais ocorrências. Os códigos da Classificação Internacional de Patentes possibilitam a identificação, de uma forma não detalhada porém mais abrangente, dos assuntos mais solicitados no período, relacionados às tecnologias envolvendo nanomateriais. Para o conhecimento mais detalhado de cada tecnologia, sugere-se a leitura de todo o conteúdo do documento de patente de interesse.



Fonte: Elaboração própria a partir dos dados disponíveis na base de patentes do Escritório Europeu de Patentes. Acesso em 31/01/2013.

Gráfico 2: Classificação Internacional de Patentes (CIP) dos Documentos sobre Nanomateriais Publicados no 1º semestre de 2012

A relação completa dos principais títulos das subclasses da CIP mais importantes no presente levantamento, que apresentam mais de 100 ocorrências entre os documentos publicados, é apresentada a seguir.

- **B82Y** Operações de processamento; transporte
- **H01L** Dispositivos semicondutores; dispositivos elétricos de estado sólido não incluídos em outro local
- **C01B** Elementos não-metálicos; seus compostos
- **B01J** Processos químicos ou físicos, por ex., catálise, química coloidal; aparelhos pertinentes aos mesmos
- **C01G** Compostos contendo metais não abrangidos pelas subclasses C01D ou C01F

- **B32B** Produtos em camadas, i.e., produtos estruturados com camadas de forma plana ou não plana, por ex., em forma celular ou alveolar
- **H01M** Processos ou meios, por ex., baterias, para a conversão direta da energia química em energia elétrica
- **B05D** Processos para aplicação de líquidos ou de outros materiais fluentes a superfícies em geral
- **C08K** Uso de substâncias inorgânicas ou orgânicas não macromoleculares como ingredientes de composições
- **B82B** Nano estruturas formadas por manipulação individual de átomos, moléculas, ou grupos limitados de átomos ou moléculas como unidades discretas; fabricação ou seu tratamento
- **H01B** Cabos; condutores; isoladores; utilização de materiais específicos devido às suas propriedades condutoras, isolantes ou dielétricas
- **B29C** Modelagem ou união de matérias plásticas; modelagem de substâncias em estado plástico, em geral; pós-tratamento de produtos modelados, por ex., reparo
- **C09D** Composições de revestimento, por ex., tintas, vernizes ou lacas; pastas de enchimento; removedores químicos de tintas para pintar ou imprimir; tintas para imprimir; líquidos corretivos; corantes para madeira; pastas ou sólidos para colorir ou imprimir; utilização de materiais para esse fim
- **C08L** Composições de compostos macromoleculares
- **G01N** Investigação ou análise dos materiais pela determinação de suas propriedades químicas ou físicas
- **C23C** Revestimento de materiais metálicos; revestimento de materiais com materiais metálicos; tratamento da superfície de materiais metálicos por difusão, por conversão química ou substituição; revestimento por evaporação a vácuo, por pulverização catódica, por implantação de íons ou por deposição química em fase de vapor, em geral
- **B22F** Trabalho mecânico com pó metálico; fabricação de artigos a partir de pó metálico; fabricação de pó metálico
- **A61K** Preparações para finalidades médicas, odontológicas ou higiênicas

- **G03F** Produção fotomecânica de superfícies texturizadas ou estampadas, por ex., para impressão, para processamento de dispositivos semicondutores; materiais para as mesmas; originais para as mesmas; aparelhos especialmente adaptados para esse fim
- **C09C** Tratamento de substâncias inorgânicas, outras que não enchimentos fibrosos, para lhes acentuar as propriedades de pigmentação ou de enchimento
- **C09K** Materiais para aplicações diversas, não incluídas em outro local
- **C08J** Elaboração; processos gerais para formar misturas; pós-tratamento não abrangido pelas subclasses **C08B, C08C, C08F, C08G ou C08H**
- **C04B** Cal; magnésia; escória; cimentos; suas composições, por ex., argamassa, concreto ou materiais de construções similares; pedra artificial; cerâmica; refratários; tratamento da pedra natural
- **C08G** Compostos macromoleculares obtidos por reações outras que não envolvendo ligações insaturadas carbono-carbono
- **D01F** Características químicas da manufatura de filamentos, linhas, fibras, cerdas ou fitas artificiais; aparelhos especialmente adaptados para a manufatura de filamentos de carbono
- **B01D** Separação
- **H01J** Válvulas de descarga elétrica ou lâmpadas de descarga
- **C01F** Composto dos metais berílio, magnésio, alumínio, cálcio, estrôncio, bário, rádio, tório, ou dos metais das terras-raras

Tabela 2: Pedidos de patente de Nanomateriais publicados no mundo no 1º semestre de 2012.

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
|-----------------------------|---|---------------------------------|--|--|
| CN102307851 A 20120104 | US20080121598P;US 20080121605P;WO20 09US66337; | 3M INNOVATIVE PROPERTIES CO; | C08G65/00; C07C323/25; C07C323/52; B05D5/00; C09D171/02; C07C319/02; | Amide-linked perfluoropolyether thiol compounds and processes for their preparation and use |
| AT550304T T 20120415 | US20040926690;WO2 005US25331; | 3M INNOVATIVE PROPERTIES CO; | C03C1/00; C03C17/00; C03C17/34; | ANTIBLENDBESCHICHTUNG UND ARTIKEL |
| US2012029141 A1 20120202 | US20090164979P;US 201013201329;WO20 10US27426; | 3M INNOVATIVE PROPERTIES CO; | C09D133/26; B05D7/24; B05D3/00; C08K7/18; B05D7/00; B05D7/14; | AQUEOUS COATING COMPOSITION COMPRISING SPHERICAL SILICA PARTICLES AND METHOD OF MAKING AND USING THE SAME |
| US2012135210 A1 20120531 | US20060423781;US20 060427055;US200803 04505;US2012133653 13;WO2007US70465; | 3M INNOVATIVE PROPERTIES CO; | B32B27/36; | DURABLE ANTIREFLECTIVE FILM |
| EP2449037 A1 20120509 | CN20091151003;US2 0090236672P;WO201 0US40524; | 3M INNOVATIVE PROPERTIES CO; | C09C1/30; C09D5/00; C09D1/00; C09D7/12; C09K3/18; | HYDROPHILIC COATINGS, ARTICLES, COATING COMPOSITIONS, AND METHODS |
| CN102458720 A 20120516 | US20090465852;WO2 010US33955; | 3M INNOVATIVE PROPERTIES CO; | B02C17/00; C01B33/00; B22F1/00; H01M4/38; B22F9/04; | Low energy milling method, low crystallinity alloy, and negative electrode composition |
| KR20120026536 A 20120319 | US20090465852; | 3M INNOVATIVE PROPERTIES CO; | B22F9/04; B02C17/00; C01B33/00; B22F1/00; | LOW ENERGY MILLING METHOD, LOW CRYSTALLINITY ALLOY, AND NEGATIVE ELECTRODE COMPOSITION |
| EP2429744 A1 20120321 | US20090465852;WO2 010US33955; | 3M INNOVATIVE PROPERTIES CO; | H01M4/38; B02C17/00; B22F9/04; B22F1/00; C01B33/00; | LOW ENERGY MILLING METHOD, LOW CRYSTALLINITY ALLOY, AND NEGATIVE ELECTRODE COMPOSITION |
| US2012135207 A1 20120531 | US20070930800;US20 1213368401; | 3M INNOVATIVE PROPERTIES CO; | G03F7/20; B32B3/00; G03F7/075; | METHOD OF FORMING AN IMAGE HAVING MULTIPLE PHASES |
| WO2012037046 A1 20120322 | US20100383906P; | 3M INNOVATIVE PROPERTIES CO; | C08J5/08; C08J5/06; C08J5/00; | NANOPARTICLE PULTRUSION PROCESSING AIDE |
| US2012071586 A1 20120322 | US20100383906P;US 201113230910; | 3M INNOVATIVE PROPERTIES CO; | C08K13/06; C08L63/00; B29C70/68; | NANOPARTICLE PULTRUSION PROCESSING AIDE |

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| US2012027976 A1 20120202 | US20070821575;US20 1113253620; | 3M INNOVATIVE PROPERTIES CO; | B32B25/20; | POLYDIORGANOSILOXANE POLYAMIDE COPOLYMERS HAVING ORGANIC SOFT SEGMENTS |
| AT557317T T 20120515 | US20050077598; | 3M INNOVATIVE PROPERTIES CO; | G02F1/1335; G02B1/04; B82Y30/00; | POLYMERISIERBARE ZUSAMMENSETZUNG MIT NIEDERMOLEKULAREN ORGANISCHENBESTANDTEILEN |
| CN102348643 A 20120208 | US20090146466P;WO 2010US21177; | 3M INNOVATIVE PROPERTIES CO; | C09C3/08; C01G25/02; | Surface-modified zirconia nanoparticles |
| WO2012047691 A2 20120412 | US20100389401P; | 3M INNOVATIVE PROPERTIES CO;BARAN JIMMIE R JR;EVERMAN REBECCA L;SYKORA HAEEN; | B82B3/00; B82Y40/00; B82B1/00; | METHOD OF MODIFYING DISSOLUTION RATE OF PARTICLES BY ADDITION OF HYDROPHOBIC NANOPARTICLES |
| WO2012058605 A1 20120503 | US20100407806P;US 20100407813P;US201 00407820P;US201161 501541P; | 3M INNOVATIVE PROPERTIES CO;BOMMARITO G MARCO;DEVOE ROBERT J;SCHNOBRICH SCOTT M;SCHOLZMATTHEW T;SMITH TERRY L;SVAROVSKY MICHAEL J;YARWOOD JEREMY M;ZHANG JUN-YING; | B08B17/06; B82Y30/00; | ENGINEERED SURFACES FOR REDUCING BACTERIAL ADHESION |
| WO2012058086 A1 20120503 | US20100407806P; | 3M INNOVATIVE PROPERTIES CO;BROWN KATHERINE A;CLOUGH ROBERT S;SCHNOBRICH SCOTT M;SMITH TERRY L;ZHANG JUN-YING; | B29C39/02; B82Y30/00; B08B17/06; | SUPERHYDROPHOBIC FILM CONSTRUCTIONS |

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| WO2012082582 A2 20120621 | US20100422417P;US 201161561363P; | 3M INNOVATIVE PROPERTIES CO;CONDO PETER D;HARALDSON CHAD A;SCHULTZ WILLIAM J;WU JUNG- SHENG; | B82B1/00; B82B3/00; B82Y40/00; | DRY, SURFACE-MODIFIED NANOCALCITE |
| CN102459666 A 20120516 | US20090493285;WO2 010US39124; | 3M INNOVATIVE PROPERTIES CO;DAHN JEFFREY R; | C22C1/05; H01M4/1395; H01M4/134; | Method of making tin-based alloys for negative electrode compositions |
| EP2449141 A2 20120509 | US20090493285;WO2 010US39124; | 3M INNOVATIVE PROPERTIES CO;DAHN JEFFREY R; | C22C1/05; H01M4/1395; H01M4/134; | METHOD OF MAKING TIN-BASED ALLOYS FOR NEGATIVE ELECTRODE COMPOSITIONS |
| WO2012087665 A2 20120628 | US201061426169P; | 3M INNOVATIVE PROPERTIES CO;GADDAM BABU N;JOLY GUY D;SCHULTZ NATHAN E; | C07C323/25; C07C323/29; C01G25/02; B82B3/00; C07C69/66; | SURFACE-MODIFIED ZIRCONIA NANOPARTICLES |
| WO2012047749 A1 20120412 | US20100390530P; | 3M INNOVATIVE PROPERTIES CO;HEBRINK TIMOTHY J; | H01L31/0203; G02B5/02; G02B1/11; C23C24/08; H01L31/0216; H01L31/0236; B82Y40/00; B82Y30/00; | ANTI-REFLECTIVE ARTICLES WITH NANOSILICA-BASED COATINGS AND BARRIERLAYER |

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| WO2012006139 A2 20120112 | JP20100153070; | 3M INNOVATIVE PROPERTIES CO;NORIMOTO MASASHI; | H01L21/302; B82Y40/00; | DRYING METHOD FOR SURFACE STRUCTURE BODY |
| US2012107465 A1 20120503 | US20100409889P;US 201113288838; | 4WIND SCIENCE AND ENGINEERING LLC; | A61L2/03; B03C3/00; A23L3/26; | ELECTRON FLOW GENERATION |
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| WO2012006416 A2 20120112 | US20100399221P; | ABB AB;HILLBORG HENRIK;RENSSELAER POLYTECH INST;SCHADLER LINDA S;WANG ZEPU;ZHAO SU; | C08K7/08; D01D5/00; C04B35/634; C04B35/624; C01G23/00; C04B35/626; C01G25/02; C04B35/622; | HIGH DIELECTRIC CONSTANT CERAMIC FILLER PARTICLES, COMPOSITES AND METHODS FOR MAKING SAME |
| US2012094178 A1 20120419 | GB20090008088;WO2 010GB00923; | ABDELSALAM MAMDOUH ELSAYED;COOWAR FAZLIL;LAIN MICHAEL JONATHAN;LOVERIDGE MELANIE J; | H01M4/62; H01M10/04; H01B1/02; H01B1/04; | COMPOSITION FOR A SECONDARY BATTERY CELL |

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| WO2012063762 A1 20120518 | JP20100250220;JP20100250221;JP20100250222; | ABE HIDETOSHI;EGURO TAKASHI;FURUKAWA BATTERY CO LTD;FURUKAWA ELECTRIC CO LTD;KUBOTA MASA AKI;NISHIMURATAK ESHI;SHIMADA MICHIIHIRO;TANI TOSHIO; | H01M4/134; H01M4/42; B22F9/02; H01M4/48; C22C1/05; H01M4/36; H01M4/62; H01M4/46; H01M4/38; | NANOSCALE PARTICLES USED IN NEGATIVE ELECTRODE FOR LITHIUM IONSECONDARY BATTERY AND METHOD FOR MANUFACTURING SAME |
| WO2012032709 A1 20120315 | JP20100202222; | ABE TORU;ISOMURARYOTA;T OYOTA JIDOSHOKKI KK;YASUDA NAOTO; | C01G53/00; C01G45/00; C01G51/00; H01M4/505; | METHOD FOR PRODUCING COMPLEX OXIDE, CATHODE ACTIVE MATERIAL FORSECONDARY BATTERY AND SECONDARY BATTERY |
| US2012138849 A1 20120607 | ES20090001423;WO2010ES00261; | ABENGOA SOLAR NEW TECH SA; | C23C16/30; B05D7/00; C09K5/02; | COMPOSITE MATERIAL FOR STORING HEAT ENERGY AT HIGH TEMPERATURES |
| ES2383356 A1 20120620 | ES20120000100; | ABENGOA SOLAR NEW TECH SA; | B82Y30/00; C01B31/02; | Procedimiento para la preparaci%n de pelÝculas de grafeno % materialesgrafÚnicos sobre sustratos no metlicos |
| SG178525 A1 20120329 | US20090274974P;WO2010US46541; | ABRAHAM MARGARET H;TAYLOR DAVID P; | B22F1/0025; B82Y30/00; B82Y40/00; C09D5/24; C09D11/52 | PURIFICATION OF METAL NANOSTRUCTURES FOR IMPROVED HAZE IN TRANSPARENTCONDUCTORS MADE FROM THE SAME |

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| WO2012044428 A1 20120405 | US20100388750P; US201113022705; | ABUEG NICOLE L; BOEING CO; DAVIS KEITH JOHN; EULISS LARKEN ELIZABETH; GROSS ADAM FRANKLIN; | C01B19/00; | NANOMATERIAL HAVING TUNABLE INFRARED ABSORPTION CHARACTERISTICS AND ASSOCIATED METHOD OF MANUFACTURE |
| TW201223774 A 20120616 | US20100968913; | ACADEMIA SINICA; | B32B9/00; C23C16/26; B82B3/00; C23C16/32; | Graphene-silicon-carbide-graphene nanosheets |
| US2012156424 A1 20120621 | US20100968913; | ACADEMIA SINICA; | B32B9/04; C23C16/26; C23C16/32; B32B5/00; H05H1/46; | GRAPHENE-SILICON CARBIDE-GRAPHENE NANOSHEETS |
| US2012003481 A1 20120105 | US20060859193P; US20070985150; US201113199686; | ACULON INC; | B32B27/08; | Organometallic films, methods for applying organometallic films to substrates and substrates coated with such films |
| US2012004388 A1 20120105 | US20060859193P; US20070985150; US201113199685; | ACULON INC; | C08G79/00; | Organometallic films, methods for applying organometallic films to substrates and substrates coated with such films |
| US2012040872 A1 20120216 | US20070893542P; US20080074887; US201113280155; | ADA TECHNOLOGIES INC; | C40B50/18; C40B50/14; | PREPARING CARBOHYDRATE MICROARRAYS AND CONJUGATED NANOPARTICLES |
| WO2012047316 A1 20120412 | US20100347195P; US20100355738P; | ADA TECHNOLOGIES INC; BUETTNER-GARRETT JOSHUA; KRYSIAK MICHAEL; LU WEN; | C25D17/00; B05C1/00; H01L21/02; | HIGH PERFORMANCE CARBON NANO-TUBE COMPOSITES FOR ELECTROCHEMICAL ENERGY STORAGE DEVICES |
| US2012121922 A1 20120517 | DE200910009110; WO2009EP06737; WO2010EP00519; | ADAMS HORST; DVORAK MICHAEL; ZOZ HENNING; | B22F5/00; B22F3/02; F02F1/24; F16H55/17; B32B5/30; B32B15/04; F02F7/00; | ENGINE OR ENGINE PART AND A METHOD OF MANUFACTURING THE SAME |

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| WO2012071441 A2 20120531 | US20100952843; | ADESINA SIMEON KOLAWOLE;AKALA EMMANUEL OYEKANMI;UNIV HOWARD; | C08G63/08; C08F283/01; A61K47/30; C08J3/12; C08F20/10; | BIODEGRADABLE STEALTH POLYMERIC PARTICLES FABRICATED USING THE MACROMONOMER APPROACH BY FREE RADICAL DISPERSION POLYMERIZATION |
| US2012129797 A1 20120524 | US20100952843; | ADESINA SIMEON;AKALA EMMANUEL; | A61J3/00; C08G63/66; C08G63/08; C08G63/60; A61K31/704; A61P35/00; A61K31/337; C08G63/06; | BIODEGRADABLE STEALTH POLYMERIC PARTICLES FABRICATED USING THEMACROMONOMER APPROACH BY FREE RADICAL DISPERSION POLYMERIZATION |
| US2012129681 A1 20120524 | US20100950443; | ADIB KAVEH;OGUNWUMI STEVEN BOLAJI; | B01J23/10; B01J37/34; | Method of Controlling Ce:Zr Ratio In Oxide Nanoparticles |
| US2012052307 A1 20120301 | DE200410037542;DE2 00410037552;DE2005 10030488;DE2005100 30489;US2007065916 5;US201113277510;W O2005EP08309; | ADLER HANS- JURGEN;DOMES HERIBERT;HEBESTREIT NILS;JAHNE EVELIN;PALIWODA- PROBESKA GRAZYNA;PICH ANDRIJ;PLIETH WALDFRIED;POTJE- KAMLOTH KARIN;RAMMELT URSULA;ROHWERDER MICHAEL;SCHNEIDER JULIA;STRATMANN MARTIN; | B23K31/02; B32B15/095; C23C22/00; B32B15/082; H01B1/12; C09D5/24; B05D5/12; B05D7/24; C23F11/173; | PROCESS FOR COATING METALLIC SURFACES WITH AN ANTI-CORROSIVE COATING |

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| WO2012082863 A1 20120621 | US20100423320P; | ADVANCED BIONICS AG;KOESTER KURT J; | B05D1/18; A61N1/375; A61N1/36; | PROTECTION FOR IMPLANTED GOLD SURFACES |
| CN102328961 A 20120125 | CN20111263741; | ADVANCED ENERGY STORAGE MATERIALS NAT ENGINEERING RES CT CO LTD; | C01G45/12; B82Y40/00; | Precursor of nickel cobalt lithium manganate positive material for lithium ion battery and production method thereof |
| KR20120020209 A 20120307 | US20060763258P; | ADVANCED TECH MATERIALS; | C10G45/00; B01D53/48; B01D53/02; B82Y30/00; | CARBONACEOUS MATERIALS USEFUL FOR FLUID STORAGE/DISPENSING, DESULFURIZATION, AND INFRARED RADIATION EMISSION, AND APPARATUS AND METHODS UTILIZING SAME |
| US2012018382 A1 20120126 | US201113093315;WO 2009US62184; | ADVANTAGEOUS SYSTEMS LLC; | C08B37/02; B03C1/01; C02F1/48; | LIQUID PURIFICATION USING MAGNETIC NANOPARTICLES |
| DE112009003508T T5 20120531 | WO2009JP56325; | ADVANTEST CORP; | G03F7/20; H01L21/027; | Elektronenstrahl-Lithographiegerät und Elektronenstrahl-Lithographieverfahren |
| WO2012009239 A2 20120119 | US20100363696P; | ADVINCULA RIGOBERTO C;PERNITES RODERICK;UNIV HOUSTON; | G01N33/48; | SENSORS AND SEPARATION BASED ON MOLECULAR RECOGNITION VIA ELECTROPOLYMERIZATION AND COLLOIDAL LAYER TEMPLATES |
| WO2012075294 A2 20120607 | US20100418652P; | ADVINCULA RIGOBERTO C;UNIV HOUSTON; | B82B1/00; B82B3/00; B32B9/00; C01B31/02; C01B31/04; | POLYMER NANOCOMPOSITE PRECURSORS WITH CARBON NANOTUBES AND/OR GRAPHENE AND RELATED THIN FILMS AND PATTERNING |
| US2012153240 A1 20120621 | US20100972519; | AEGIS TECHNOLOGY INC; | H01B1/06; B02C23/18; H01B1/00; | SCALABLE NANOSTRUCTURED THERMOELECTRIC MATERIAL WITH HIGH ZT |
| US2012134909 A1 20120531 | US20100375656P;US 201113214633; | AEROGEL TECHNOLOGIES LLC; | C01B31/00; B44C1/22; C01B31/02; C01B31/30; C08G73/10; C08J9/28; | POROUS NANOSTRUCTURED POLYIMIDE NETWORKS AND METHODS OF MANUFACTURE |
| US2012152846 A1 20120621 | US20100375757P;US 201113214061; | AEROGEL TECHNOLOGIES LLC; | C08G18/00; B01D15/00; C01B31/02; C08J9/00; | THREE-DIMENSIONAL POROUS POLYUREA NETWORKS AND METHODS OF MANUFACTURE |

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| US2012077701 A1 20120329 | US19960025740P;US19970933219;US19990321481;US20020099442;US20050056579;US20070745987;US201113300341; | AFFYMETRIX INC; | C40B30/04; C40B40/06; C12Q1/68; | Identification of Molecular Sequence Signatures and Methods Involving the Same |
| US2012071361 A1 20120322 | US19960634053;US19990244568;US20000716507;US20030722032;US20040015257;US20040016629;US20050090876;US20050224052;US20060500411;US20090634475;US201113273399; | AFFYMETRIX INC; | C12Q1/68; G01N37/00; C07K1/00; B01J19/00; C07B61/00; C40B50/00; G01N33/53; C12N15/09; C07K1/04; C07H21/00; | Methods for photolithographic synthesis of polymer arrays utilizing anti-reflective coatings |
| US2012094872 A1 20120419 | US20020177169;US20060442680;US20080014879;US20090358472;US201113315078; | AFFYMETRIX INC; | C09K3/00; C40B40/06; C40B50/18; | SILANE MIXTURES |
| US2012010108 A1 20120112 | US20050755261P;US20060617431;US20100838279;US201113011030;US201113238563; | AFFYMETRIX INC; | C08G18/77; | Use of acid scavengers for the synthesis of standard length and long-mer nucleic acid arrays |
| WO2012022513 A1 20120223 | US20100859426; | AFZALI-ARDAKANI ALI; BOL AGEETH ANKE; IBM; TULEVSKIGEO RGE STOJAN; | H01L51/44; H01B1/04; C01B31/04; H01L51/00; | DOPED GRAPHENE FILMS WITH REDUCED SHEET RESISTANCE |

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| US2012032122 A1 20120209 | WO2007SG00235; | AGENCY SCIENCE TECH & RES; | C01G11/02; H01B1/06; C01B19/04; | METHOD FOR FORMING A CADMIUM CONTAINING NANOCRYSTAL |
| US2012136164 A1 20120531 | SG20090002179;WO2 010SG00124; | AGENCY SCIENCE TECH & RES; | C07C303/36; B01J37/04; B01J23/89; B01J23/42; C30B7/14; C07C67/30; C07C29/145; B01J35/02; C07D307/33; | NANOSTRUCTURED METALS |
| EP2414277 A1 20120208 | SG20090002179;WO2 010SG00124; | AGENCY SCIENCE TECH & RES; | C01G55/00; C01G7/00; B82B3/00; B82B1/00; B01J23/00; | NANOSTRUCTURED METALS |
| US2012135141 A1 20120531 | US20070935644P;US 20080674670;WO200 8SG00308; | AGENCY SCIENCE TECH & RES; | B05D7/24; C08K5/13; | POLYMERIZATION ON PARTICLE SURFACE WITH REVERSE MICELLE |
| WO2012039685 A1 20120329 | US20100385977P; | AGENCY SCIENCE TECH & RES;OLIVO MALINI;PRAVEEN NAGAMANI;SINGAPORE HEALTH SERVICES PTE LTD;THONIYOT PRAVEEN; | B82B1/00; B82B3/00; B82Y5/00; B82Y15/00; B82Y40/00; | A NANOPROBE COMPRISING GOLD COLLOID NANOPARTICLES FOR MULTIMODALITYOPTICAL IMAGING OF CANCER AND TARGETED DRUG DELIVERY FOR CANCER |
| WO2012026882 A1 20120301 | SG20100006165; | AGENCY SCIENCE TECH & RES;OLIVO MALINI;PRAVEEN NAGAMANI;SINGAPORE HEALTH SERVICES PTE LTD;THONIYOT PRAVEEN; | B82Y30/00; G01N21/27; B82Y40/00; | SUBSTRATE FOR OPTICAL SENSING BY SURFACE ENHANCED RAMAN SPECTROSCOPY(SERS) AND METHODS FOR FORMING THE SAME |

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| WO2012039683 A1 20120329 | SG20100007003; | AGENCY SCIENCE TECH & RES; TAN MEI XUAN; YING JACKIE Y; ZHANG YUGEN; | B01J20/28; B01D53/62; B01J20/30; C08F2/06; C08L61/28; B82Y40/00; C08G12/32; | A POROUS POLYMER MATERIAL |
| US2012034565 A1 20120209 | EP20090158692; WO2010EP55237; | AGFA GRAPHICS NV; | G03F7/20; | Lithographic printing plate precursor |
| CN102481551 A 20120530 | WO2009EP57319; | AGGREGATE ENERGY LLC; MATTHEWS VANCE; | B01J23/755; B01J23/888; C10G3/00; B01J23/883; B01J37/20; B01J25/02; B01J23/882; B01J23/88; B01J21/18; | Catalyst comprising a metal and a supplemental component and process for hydrogenating oxygen containing organic products |
| AU2009347597 A1 20120119 | WO2009EP57319; | AGGREGATE ENERGY LLC; MATTHEWS VANCE; | B01J21/18; C10G3/00; B01J23/888; B01J23/755; B01J23/882; B01J23/883; B01J25/02; B01J23/88; B01J37/20; | Catalyst comprising a metal and a supplemental component and process for hydrogenating oxygen containing organic products |
| EP2440327 A1 20120418 | WO2009EP57319; | AGGREGATE ENERGY LLC; MATTHEWS VANCE; | B01J21/18; B01J23/888; B01J25/02; B01J23/755; B01J23/882; B01J23/88; B01J23/883; B01J37/20; C10G3/00; | CATALYST COMPRISING A METAL AND A SUPPLEMENTAL COMPONENT AND PROCESS FOR HYDROGENATING OXYGEN CONTAINING ORGANIC PRODUCTS |
| US2012012030 A1 20120119 | US20100375261P; US201113211880; | AGHILI HOUTAN; LOTFI MEHRDAD; SAGHIRI MOHAMMAD ALI; | A61K6/06; | DENTAL CEMENT COMPOSITION |
| US2012082831 A1 20120405 | US20100344774P; US201113252669; | AGILTRON INC; | B32B7/02; B05D5/10; B05B7/00; B32B27/30; | Nano-Porous Coatings and Making Methods |
| US2012107549 A1 20120503 | US20100344874P; US201113284273; | AGILTRON INC; | C09K9/02; B05D5/06; B32B7/12; B32B38/00; B32B3/02; B32B27/34; | SMART SURFACES WITH TEMPERATURE INDUCED SOLAR REFLECTANCE CHANGES AND MAKING METHODS |
| EP2465543 A1 20120620 | EP20100195831; | AGNOLETTO MARIA; PASTORE MANUELA; PASTORE MARINO; RIZZILUCIANO; | A61L2/00; B82Y30/00; | Apparatus for sterilizing or disinfecting the hands of a person |

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|-----------------------------|-------------------|--|---|---|
| WO2012084319 A1 20120628 | EP20100195831; | AGNOLETTO MARIA;PASTORE MANUELA;PASTORE MARINO;RIZZILUCIANO; | B82Y30/00; A61L2/00; | APPARATUS FOR STERILIZING OR DISINFECTING THE HANDS OF A PERSON |
| WO2012033995 A2 20120315 | US20100878507; | AGRAWAL GAURAV;BAKER HUGHES INC;CHAKRABORTY SOMA;DUAN PING;JOHNSON MICHAEL H; | C08L101/02; C08K3/04; C08L75/04; C08K9/04; | METHOD OF FORMING POLYMER NANOCOMPOSITE |
| WO2012033565 A2 20120315 | US20100878538; | AGRAWAL GAURAV;BAKER HUGHES INC;CHAKRABORTY SOMA;DUAN PING;JOHNSON MICHAEL H; | C08J3/02; B82B3/00; C08K9/04; C08L101/00; C08K3/04; | POLYMER NANOCOMPOSITE |
| US2012107590 A1 20120503 | US20100913310; | AGRAWAL GAURAV;CHAKRABORTY SOMA;XU ZHIYUE; | B32B5/16; B32B3/26; B32B7/12; | NANOMATRIX CARBON COMPOSITE |
| WO2012078436 A1 20120614 | US20100419940P; | AGRAWAL PRADEEPAK;GEORGIA TECH RES INST;JONES CHRISTOPHER W;NGUYEN TIEN THAO; | B01J23/00; B01J23/28; C07C29/153; B01J21/18; | CARBON-SUPPORTED CATALYSTS FOR PRODUCTION OF HIGHER ALCOHOLS FROMSYNGAS |
| FR2962662 A1 20120120 | FR20100055836; | AGRONOMIQUE INST NAT RECH; | B01F17/00; B82Y30/00; B01F3/08; | COMPOSITION SOUS FORME D'EMULSION, COMPRENANT UNE PHASE HYDROPHOBE DISPERSEE DANS UNE PHASE AQUEUSE |

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|-----------------------------|-----------------|--|---|---|
| WO2012017160 A1 20120209 | FR20100055836; | AGRONOMIQUE INST NAT RECH;BIZOT HERVE;BULEON ALAIN;CAPRON ISABELLE;CATHALA BERNARD;KALASHNIKOV A IRINA; | B82Y30/00; B01F17/00; | COMPOSITION IN THE FORM OF AN EMULSION, COMPRISING A HYDROPHOBIC PHASE DISPERSED IN AN AQUEOUS PHASE |
| WO2012025652 A1 20120301 | ES20100031171; | AGUILO AGUAYO NOEMI;BERTRAN SERRA ENRIC;INESTROSA IZURIETA MARIA JOSE;UNIV BARCELONA; | H05H1/32; B82Y40/00; | METHOD AND REACTOR FOR THE PRODUCTION OF CARBON-COATED NANOPARTICLES |
| WO2012026799 A1 20120301 | MY2010PI04009; | AHMAD ZAINAL ARIFIN;HAZAN ROSHASNORLYZA;LAI CHIN WEI;LOCKMAN ZAINOVIA;SAHARUDIN KHAIRUL ARIFAH;SREEKANTAN SRIMALA;UNIV SAINS MALAYSIA; | C30B29/16; C25C5/02; C01G23/047; C25D11/26; | AN APPARATUS AND METHOD FOR RAPID RATE OF TITANIUM DIOXIDE (TiO ₂) NANOTUBES ARRAYS FORMATION |
| WO2012030961 A2 20120308 | US20100378622P; | AHN JIN-HO;BARONE PAUL W;KIM JONG- HO;MASSACHUSETTS INST TECHNOLOGY;REUEL NIGEL F;STRANO MICHAEL S; | B82Y30/00; G01N21/64; B82Y15/00; G01N33/543; | A NANOTUBE ARRAY FOR OPTICAL DETECTION OF PROTEIN-PROTEIN INTERACTIONS |

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|-----------------------------|--|---|--|---|
| WO2012008789 A2 20120119 | KR20100068634; | AHN JONG-HYUN;BAE SU KANG;HONG BYUNG HEE;JANG HOUK;JUNG MYUNG HEE;KIM SANG JIN;LEE YOUNGBIN;SAMSUNG TECHWIN CO LTD;UNIV SUNGKYUNKWAN;YOO JI BEOM; | C01B31/02; C23C16/50; C23C16/26; | METHOD FOR PRODUCING GRAPHENE AT A LOW TEMPERATURE, METHOD FOR DIRECT TRANSFER OF GRAPHENE USING SAME, AND GRAPHENE SHEET |
| WO2012015267 A2 20120202 | KR20100074323; | AHN JONG-HYUN;BAE SU KANG;HONG BYUNG HEE;JUNG MYUNG HEE;KIM HYE RI;KIM SANG JIN;UNIV SUNGKYUNKWAN; | C01B31/02; H01L31/04; C23C16/26; C23C16/513; | METHOD FOR PREPARING GRAPHENE, GRAPHENE SHEET, AND DEVICE USING SAME |
| CN102442660 A 20120509 | CN20111311659; | AIJUAN GU;UNIV SOOCHOW; | B82Y30/00; B82Y40/00; C01B31/02; | Surface modified carbon nanotube and preparation method thereof |
| CN102351207 A 20120215 | CN20111240006; | AIMPROVEMENT CONCAVE SOIL APPLIC TECHNOLOGY RES DEV CT OF LANZHOU INST OF CHEMICAL PHYSICS CAS; | B82Y40/00; C01B33/26; | Method for preparing nano attapulgite by solvothermal process |
| CN102432843 A 20120502 | US20040618471P;US 20050240573;US2005 0665026P; | AIR PROD & CHEM; | C08G61/12; B82Y30/00; C08L65/00; C08J5/18; C08L27/18; C08K3/08; H01L51/00; | Aqueous dispersions of polythienothiophenes with fluorinated ionexchange polymers as dopants |
| US2012043415 A1 20120223 | GB20100013939; | AIRBUS OPERATIONS LTD; | H01B1/14; B64D45/02; H05F3/00; B65D90/46; H01R43/00; | BOND LEAD |
| EP2409827 A1 20120125 | EP20070789385;GB20 060017460;US200608 24565P; | AIRBUS OPERATIONS LTD; | B29C70/30; B82Y30/00; | Method of manufacturing composite material |

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|-----------------------------|-------------------------------|--|---|---|
| FR2969017 A1 20120622 | FR20100060604; | AIRBUS OPERATIONS SAS; | B23B41/00; B23B51/02; | Rotary cutting tool for drilling orbital hard metals e.g. titanium that is utilized in aircraft structures, has channels transmitting lubrication fluid to active module based on nanoparticles dispersion oil |
| US2012153083 A1 20120621 | ES20100031879; | AIRBUS OPERATIONS SL; | B64D45/00; B64C5/00; | OPTIMIZATION OF STRUCTURES SUBJECTED TO HOT GAS STREAMS |
| US2012085881 A1 20120412 | FR20100058097; | AIRBUS S A S; | F16M13/00; F16F15/02; | ASSEMBLY FOR AN AIRCRAFT, THE ASSEMBLY INCLUDING AT LEAST ONE VIBRATION DAMPER |
| FR2965813 A1 20120413 | FR20100058156; | AIRBUS; | B64D47/00; C09K21/02; C08K3/34; B82Y30/00; | Composition, useful for aircraft, comprises a matrix and nano-particles comprising positive organic charges of at least one clay comprising montmorillonite dispersed in the matrix such as polymeric matrix |
| FR2965875 A1 20120413 | FR20100058097; | AIRBUS; | B64D47/00; F16F15/00; B82Y30/00; F16F9/30; | ENSEMBLE POUR AERONEF COMPRENANT UN AMORTISSEUR DE VIBRATIONS |
| FR2965797 A1 20120413 | FR20100058100; | AIRBUS; | B64D47/00; B82Y30/00; | External part i.e. support, and rectangular parallelepiped device e.g. air-conditioning machine, assembly for use in aircraft, has connection element connecting rectangular parallelepiped device with external part |
| JP2012066953 A 20120405 | JP20100211617; | AISIN SEIKI; | C01B31/02; | CARBON NANOTUBE PRODUCTION METHOD |
| WO2012018062 A1 20120209 | JP20100175434; JP20100175448; | AISIN SEIKI; KOIKE YOSUKE; | C01B31/02; | CARBON NANOTUBE DEVICE, PROCESS FOR PRODUCTION OF CARBON NANOTUBE, AND DEVICE FOR PRODUCTION OF CARBON NANOTUBE |
| WO2012039305 A1 20120329 | JP20100211617; | AISIN SEIKI; KOIKE YOSUKE; NAKASHIMA EIJI; XIE GANG; | C01B31/02; | CARBON NANOTUBE PRODUCTION METHOD |

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|--------------------------------|--|---|---|---|
| WO2012013911 A1 20120202 | FR20100056336; | AISSOU KARIM;BARON THIERRY;BORSALI REDOUANE;CENTRE NAT RECH SCIENT;FORTSEBASTIEN ;HALILA SAMI; | C08G81/02; C09D187/00; H01L21/28; | THIN FILMS ORGANISED IN NANODOMAINS ON THE BASIS OF COPOLYMERS HAVING POLYSACCHARIDE BLOCKS FOR APPLICATIONS IN NANOTECHNOLOGY |
| WO2012012441 A1 20120126 | US20100365615P; | AIZENBERG JOANNA;HARVARD COLLEGE;KIM PHILSEOK; | B05D5/08; B82Y30/00; B08B17/06; B82Y40/00; | HIERARCHICALLY STRUCTURED SURFACES TO CONTROL WETTING CHARACTERISTICS |
| US2012036846 A1 20120216 | US20050239973;US20 1113279036; | AIZENBERG JOANNA;KRUPENKIN THOMAS NIKITA;SYDORENKOOLE KSANDR;TAYLOR JOSEPH ASHLEY; | F03G7/06; | SURFACES PHYSICALLY TRANSFORMABLE BY ENVIRONMENTAL CHANGES |
| US2012141779 A1 20120607 | US20080078328P;US 20090497535;US2012 13372384; | AJJER LLC; | B32B5/16; H01B1/02; | Metal coatings, conductive nanoparticles and applications of the same |
| JP2012012295 A 20120119 | JP20110141238; | AKAMI SEISAKUSHO KK; | C01G53/00; B02C19/06; B82Y40/00; B22F9/30; C01G49/02; | METHOD FOR PRODUCING METAL COMPOUND POWDER |
| DE202011052097U U1 20120105 | DE201120052097U; | AKASAKA YOSHIHIRO;ASAKAWA KOJI;HIRAOKA TOSHIRO;HOTTAYASUYU KI; | A47C31/10; A47G9/02; | Matratzen- oder Kissenbezugsstoff, Matratzen- oder Kissenbezug und Matratzen- oder Kissenaufgabe |

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|-----------------------------|---|--|---|---|
| US2012037594 A1 20120216 | JP19990159479;JP19 990262326;JP200001 69263;US2000058872 1;US20030347956;US 20060455916;US2009 0355170;US20111327 8833; | AKASAKA YOSHIHIRO;ASAKAWA KOJI;HIRAOKA TOSHIRO;HOTTAYASUYU KI; | G11B5/84; H01M2/16; C01B31/02; C08G81/02; C08F297/02; H01L21/3065; C23F1/04; H01M4/88; H01M4/96; H01J9/02; G11B5/65; C08G83/00; H01M4/58; C23F1/00; B82B1/00; H01L21/033; C08J9/26; B82B3/00; H01L21/302; C04B35/52; H01M10/40; C08F299/00; | METHOD FOR MANUFACTURING POROUS STRUCTURE AND METHOD FOR FORMINGPATTERN |
| US2012037595 A1 20120216 | JP19990159479;JP19 990262326;JP200001 69263;US2000058872 1;US20030347956;US 20060455916;US2009 0355170;US20111327 8862; | AKASAKA YOSHIHIRO;ASAKAWA KOJI;HIRAOKA TOSHIRO;HOTTAYASUYU KI; | H01L21/302; C23F1/00; C08G81/02; C08F299/00; B82B3/00; C04B35/52; C01B31/02; H01L21/3065; G11B5/84; C23F1/02; H01M4/58; H01M2/16; H01M4/96; G11B5/65; H01M4/88; H01M10/40; B82B1/00; C08F297/02; H01J9/02; C08G83/00; H01L21/033; C08J9/26; | METHOD FOR MANUFACTURING POROUS STRUCTURE AND METHOD FOR FORMINGPATTERN |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
|-----------------------------|---|--|---|--|
| US2012041121 A1 20120216 | JP19990159479;JP19 990262326;JP200001 69263;US2000058872 1;US20030347956;US 20060455916;US2009 0355170;US20111327 8904; | AKASAKA YOSHIHIRO;ASAKAWA KOJI;HIRAOKA TOSHIRO;HOTTAYASUYU KI; | C08K5/07; C08F299/00; H01M4/96; C08G83/00; B82B1/00; C08G77/00; H01M4/58; G11B5/65; H01L21/302; C08J9/26; H01L21/033; C23F1/00; H01M4/88; H01M2/16; C08G81/02; C01B31/02; B82B3/00; C08F297/02; C08F220/06; H01J9/02; G11B5/84; C04B35/52; H01M10/40; C08K5/101; H01L21/3065; | METHOD FOR MANUFACTURING POROUS STRUCTURE AND METHOD FOR FORMINGPATTERN |
| US2012094278 A1 20120419 | US20040555665P;US 20050088140;US2007 0824949;US20090626 014;US201113110536; | AKESON MARK;BRANTON DANIEL;DEAMER DAVID W;SAMPSONJEFFREY R; | C12Q1/68; C12M1/40; | METHODS AND APPARATUS FOR CHARACTERIZING POLYNUCLEOTIDES |
| ES2376511T T3 20120314 | US20070950848;WO2 008US13300; | AKHTAR M KAMAL;BANERJEE SIBASHIS;MILLENNIUM INORGANIC CHEM; | C09C1/36; | PROCEDIMIENTO PARA LA PRODUCCION DE PIGMENTOS DE DIOXIDO DE TITANIOREVESTIDOS. |
| WO2012007401 A1 20120119 | DE201010027063; | AKKAN CAGRI KAAN;AKTAS ORAL CENK;LEE JUSEOK;LEIBNIZ INST NEUE MATERIALIEN;MARTINEZ MIRO MARINA;VEITH MICHAEL; | C23C16/30; F24J2/48; B82Y30/00; | COATING FOR CONVERTING RADIATION ENERGY |
| US2012059089 A1 20120308 | EP20090155124;US20 090159947P;US20101 3254980;WO2010EP5 3001; | AKZO NOBEL CHEMICALS INT BV; | C08K5/21; C08K5/17; C08K5/20; C08K5/5435; | AQUEOUS SILANIZED SILICA DISPERSION |

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| EP2406328 A1 20120118 | EP20090155124;EP20 100707904;US200901 59947P;WO2010EP53 001; | AKZO NOBEL CHEMICALS INT BV; | C09C1/30; C01B33/148; | AQUEOUS SILANIZED SILICA DISPERSION |
| WO2012080197 A1 20120621 | US20100423808P; | AKZO NOBEL CHEMICALS INT BV;DERY MAURICEO;O BOEN HO;SLIKTA ALBERTO;WATES JULIA MARY; | B82Y30/00; C11D3/12; C11D1/825; C11D1/835; C11D1/72; | LOW STREAK DEGREASING COMPOSITION |
| CN102341463 A 20120201 | EP20090155124;US20 090159947P;WO2010 EP53001; | AKZO NOBEL CHEMICALS INTERNAT; | C01B33/148; C09C1/30; | AQUEOUS SILANIZED SILICA DISPERSION |
| US2012021661 A1 20120126 | US20050104859;US20 1113267466; | ALBANY INT CORP; | B32B5/02; B05D1/02; | THERMALLY SPRAYED PROTECTIVE COATING FOR INDUSTRIAL AND ENGINEERED FABRICS |
| JP2012013688 A 20120119 | US20030403159; | ALCATEL LUCENT USA INC; | G01N1/00; G02B5/18; G01N21/47; G02B1/06; G02B3/12; B81B1/00; B01F13/00; B01F5/06; G02B5/08; G01N21/55; G02F1/19; B01L3/00; B01L3/02; B01J19/00; | METHOD AND DEVICE FOR CONTROLLING MOVEMENT OF LIQUID ON SURFACE OF NANO STRUCTURE OR MICRO STRUCTURE |
| WO2012087261 A1 20120628 | UA20100015686; | ALEXANDROV SERGEI NIKOLAEVICH;ZOZULYA SERGEI LEONIDOVICH;ZOZULYA VLADIMIR LEONIDOVICH; | B82Y30/00; C10M103/06; C10M177/00; | NANOSTRUCTURE OF A REVITALIZING AGENT AND METHOD FOR PRODUCING A STABLE FORM OF A NANOSTRUCTURE OF A REVITALIZING AGENT |
| CN102341188 A 20120201 | US20090362890;WO2 010GB00159; | ALEXIUM LTD; | B05D3/02; C09D183/06; D06M10/00; | Method for Attachment of Silicon-Containing Compounds to a Surface and for Synthesis of Hypervalent Silicon-Compounds |

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|-----------------------------|--|---------------------------------------|--|---|
| US2012045596 A1 20120223 | WO2009US42366; | ALFEKRI DHEYA M;SELENSKY RONALD J; | C08K3/36; B05D5/00; B05D3/00; B41M5/52; | METHOD OF MAKING A DISPERSION OF POLYMER BINDER-ENCAPSULATED SILICAPIGMENTS AND COATED MEDIA INCLUDING SUCH DISPERSION |
| CN102459519 A 20120516 | FR20090053628;WO2 010FR51055; | ALFYMA IND; | C10G1/10; C10B53/07; C10B47/18; C08K3/04; C08L21/00; C09C1/48; | Rubber granulate conversion process for producing a semi-activecarbonized substance and a plasticizer |
| US2012136112 A1 20120531 | FR20090053628;WO2 010FR51055; | ALFYMA IND; | C10B53/07; C08L21/00; C01B31/00; C10G1/02; | RUBBER GRANULATE CONVERSION PROCESS FOR PRODUCING A SEMI-ACTIVECARBONIZED SUBSTANCE AND A PLASTICIZER |
| KR20120044310 A 20120507 | FR20090053628; | ALFYMA IND; | C10G1/10; C09C1/48; C10B47/18; C10B53/07; | RUBBER GRANULATE CONVERSION PROCESS FOR PRODUCING A SEMI-ACTIVECARBONIZED SUBSTANCE AND A PLASTICIZER |
| EP2438142 A1 20120411 | FR20090053628;WO2 010FR51055; | ALFYMA IND; | C10G1/10; C08L21/00; C09C1/48; C08K3/04; C10B47/18; C10B53/07; | RUBBER GRANULATE CONVERSION PROCESS FOR PRODUCING A SEMI-ACTIVECARBONIZED SUBSTANCE AND A PLASTICIZER |
| MX2011012946 A 20120402 | FR20090053628;WO2 010FR51055; | ALFYMA IND; | C08L21/00; C09C1/48; C08K3/04; C10B47/18; C10B53/07; C10G1/10; | RUBBER GRANULATE CONVERSION PROCESS FOR PRODUCING A SEMI-ACTIVECARBONIZED SUBSTANCE AND A PLASTICIZER. |
| MA33327 B1 20120601 | FR20090053628;WO2 010FR51055; | ALFYMA IND;CABINET PATENTMARK; | C10B47/18; C09C1/48; C08L21/00; C10G1/10; C08K3/04; C10B53/07; | PROCÉDÉ DE TRANSFORMATION DE GRANULATS DE CAOUTCHOUC POUR PRODUIRE DUCARBONISAT SEMI-ACTIF ET DU PLASTIFIANT |
| WO2012064768 A2 20120518 | US20100411069P;US 20100411074P;US201 00411077P;US201004 22023P; | ALIA SHAUN;YAN YUSHAN; | B01J35/00; B01J23/00; H01M4/90; B82Y30/00; H01M4/92; | EXTENDED TWO DIMENSIONAL METAL NANOTUBES AND NANOWIRES USEFUL AS FUEL CELL CATALYSTS AND FUEL CELLS CONTAINING THE SAME |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| US2012115731 A1 20120510 | US201213343508; | ALIKHANZADEH-ARANI SIMA; SALAVATI-NIASARI MASOUD; | C04B35/00; | METHOD FOR PREPARING YTTRIUM BARIUM COPPER OXIDE (YBCO) SUPERCONDUCTING NANOPARTICLES |
| CN102324365 A 20120118 | US20050741956P;US 20060385136;US2006 0385215;US20060784 331P;US20060784388 P;US20060784390P;U S20060784500P;US20 060795806P;US20060 799203P; | ALIS CORP; | H01J37/26; H01J37/08; B82Y10/00; | Ion source, system and method |
| EP2418674 A2 20120215 | EP20060837734;US20 050741956P;US20060 385136;US200603852 15;US20060784331P; US20060784388P;US 20060784390P;US200 60784500P;US200607 95806P;US200607992 03P; | ALIS CORP; | G01N23/225; H01J37/305; H01J37/08; H01J37/317; B81B1/00; H01J37/28; H01J37/252; H01J9/02; | Ion sources, systems and methods |
| EP2416344 A2 20120208 | EP20060837664;US20 050741956P;US20060 385136;US200603852 15;US20060784331P; US20060784388P;US 20060784390P;US200 60784500P;US200607 95806P;US200607992 03P; | ALIS CORP; | B82Y10/00; H01J27/26; H01J37/317; H01J37/28; H01J9/02; H01J37/08; H01J37/305; H01J37/252; | Ion sources, systems and methods |

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|-----------------------------|---|---------------------|---|----------------------------------|
| EP2416343 A2 20120208 | EP20060837698;US20050741956P;US20060385136;US20060385215;US20060784331P;US20060784388P;US20060784390P;US20060784500P;US20060795806P;US20060799203P; | ALIS CORP; | B81B1/00; H01J37/305; H01J37/28; H01J9/02; H01J27/26; H01J37/317; B82Y10/00; H01J37/252; H01J37/08; | Ion sources, systems and methods |
| EP2416342 A2 20120208 | EP20060837944;US20050741956P;US20060385136;US20060385215;US20060784331P;US20060784388P;US20060784390P;US20060784500P;US20060795806P;US20060799203P; | ALIS CORP; | B82Y10/00; H01J37/252; H01J37/317; H01J37/08; H01J37/28; H01J27/26; G01N23/225; H01J9/02; | Ion sources, systems and methods |
| CN102364659 A 20120229 | US20050741956P;US20060385136;US20060385215;US20060784331P;US20060784388P;US20060784390P;US20060784500P;US20060795806P;US20060799203P; | ALIS CORP; | H01J37/08; B82Y10/00; H01J37/26; | Ion sources, systems and methods |

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|-----------------------------|--|---|---|--|
| US2012141693 A1 20120607 | US20030511726P;US 20040966243;US2005 0146741;US20050147 102;US20050741956P ;US20060385136;US2 0060385215;US20060 600361;US200607843 31P;US20060784388P ;US20060784390P;US 20060784500P;US200 60795806P;US200607 99203P;US200903642 59; | ALIS CORP; | H01J27/02; H01J37/26; C23C16/48; C23C14/46; | ION SOURCES, SYSTEMS AND METHODS |
| US2012028451 A1 20120202 | US20010335435P;US 20020301510;US2004 0980472;US20070869 585;US201113267170; | ALIVISATOS A PAUL;MANNA LIBERATO;SCHER ERIK C; | H01B1/22; B82B3/00; C30B29/48; C30B7/00; C01B19/04; C30B33/00; H01B1/20; B82B1/00; H01L21/20; H01L31/036; C30B29/60; | SHAPED NANOCRYSTAL PARTICLES AND METHODS FOR MAKING THE SAME |
| US2012012522 A1 20120119 | US20100365031P;US 201113181855; | ALLAM ABDUL;ALLAM AFREEN;ALLAMIFFAT;SA RKAR SABYASACHI; | C01B31/02; C07C51/275; B01D39/06; C07F15/02; C07F5/06; B32B5/16; | MAKING AND USING COMPOSITE MATERIAL CONTAINING NANOSPHERES AND DEVICESFOR WATER FILTRATION AND DEVICES CONTAINING SUCH COMPOSITES |
| US2012037560 A1 20120216 | WO2008US84434; | ALLIANCE SUSTAINABLE ENERGY; | B01D39/14; B01D35/00; B01J20/28; B01D15/08; B01J20/30; | POROUS BLOCK NANOFIBER COMPOSITE FILTERS |
| MX2011005319 A 20120120 | WO2008US84434; | ALLIANCE SUSTAINABLE ENERGY; | B01D35/00; B01D39/00; B01D46/00; | POROUS BLOCK NANOFIBER COMPOSITE FILTERS. |
| US2012065294 A1 20120315 | US20100879827; | ALLIANT TECHSYSTEMS INC; | C08K5/12; C08K5/17; C08K5/09; C08K5/54; C08K3/22; C08K3/34; C08J3/22; | INSULATIVE COMPOSITIONS, ARTICLE INCORPORATING THE SAME AND METHODS OFFORMING THE SAME |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012065158 A1 20120518 | US20100412826P; | ALLSTON THOMAS D;AUGUSTYN CARLY L;CERION TECHNOLOGY INC;COWDERY-CORVAN PETER JEROME;HAILSTONE RICHARD KENNETH;IRVINGLYN MARIE;REED KENNETH J; | C01G49/00; C01F17/00; | CERIUM CONTAINING NANOPARTICLES PREPARED IN NON-POLAR SOLVENT |
| US2012018683 A1 20120126 | US20090300305;US20 1113246563;WO2006 US18297; | ALMOG YAACOV;ISRAELL YAFFA;KOLLER AVI;LARSON GARY;LIN LUFEI;SILCOFF ELLIAD;TEISHEVALBERT; | H01B1/12; | CHARGE DIRECTOR FOR LIQUID TONER |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012017116 A2 20120209 | ES20100031224; | ALONSO GORDO MARIA JESUS;ASENJO BARAHONA AGUSTINA;COLOMA JEREZ ANTONIO;DE LUIS JIMENEZ OSCAR;HERNANDEZ VELEZ MANUEL DE LA CONCEPCION;JAAFAR RUIZ-CASTELLANOS MIRIAM;JENSEN JENS;JOSE VICENTE PEREZ GIRON;MAS GUTIERREZ JOSE ANTONIO;NANOATE S L;PEREZ BOTO VICENTE;PUENTE PRIETO JORGE;ROS PEREZ MANUEL;SALAICES SANCHEZ MERCEDES;SANZ GONZALEZ RUY;SANZ MONTANA JOSE LUIS; | G01N33/551; G01N33/543; B82Y30/00; B01J19/00; | METHOD FOR PRODUCING BIOSENSORS |
| US2012152295 A1 20120621 | US201061425362P;U S201113331768; | ALPHABET ENERGY INC; | H01L35/34; H01L33/48; H01L35/02; | ARRAYS OF FILLED NANOSTRUCTURES WITH PROTRUDING SEGMENTS AND METHODSTHEREOF |
| WO2012078191 A1 20120614 | US20100459176P; | ALSAYED AHMED;BADRECHANTAL; HOUGH LAWRENCE;RHODIA OPERATIONS; | B22F9/18; | ELECTRICALLY CONDUCTIVE NANOSTRUCTURES, METHOD FOR MAKING SUCHNANOSTRUCTURES, ELECTRICALLY CONDUCTIVE POLYMER FILMS CONTAINING SUCH NANOSTRUCTURES, AND ELECTRONIC DEVICES CONTAINING SUCH FILMS |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| TWI359112B B 20120301 | US20030712768; | ALTAIR NANOMATERIALS INC; | C01G23/053; C01G23/047; C09C1/36; | Process to make rutile pigment from aqueous titani |
| WO2012042511 A1 20120405 | IT2010SA00029; | ALTAVILLA CLAUDIA;CIAMBELLI PAOLO;SARNO MARIA;UNIV DEGLI STUDI SALERNO; | 1D | One-pot" synthesis of 2D |
| WO2012006071 A2 20120112 | US20100359662P;US 201113070286; | ALTMAN IGOR;CHIRUVOLU SHIVKUMAR;FREY BERNARD M;LI WEIDONG;LIU GUOJUN;LYNCH ROBERT B;NANOGRAM CORP;PENGRAL-LEUNG GINA ELIZABETH;SRINIVASAN UMA; | C01G17/00; C01B33/02; C09D11/00; B01J13/00; B01J19/08; | SILICON/GERMANIUM NANOPARTICLE INKS, LASER PYROLYSIS REACTORS FOR THE SYNTHESIS OF NANOPARTICLES AND ASSOCIATED METHODS |
| CN102303881 A 20120104 | CN20111237161; | ALUMINUM CORP OF CHINA LTD; | C01F7/14; B82Y40/00; | Preparation method of aluminum hydroxide for titanium white |
| CN102320637 A 20120118 | CN20111237162; | ALUMINUM CORP OF CHINA LTD; | B82Y40/00; C01F7/14; | Production method of aluminium hydroxide for artificial stone filler |
| WO2012087173 A1 20120628 | PT20100105441; | ALVES MACHADO NOBREGA ANA VERA;DE OLIVEIRABARROS NOGUEIRA REGINA MARIA;DE SOUSA CORTEZ GONCALVES OLIVEIRA MANUEL ANTONIO;UNIV DO MINHO; | B01J20/26; C08K3/22; B82Y30/00; C08F8/42; C08J5/00; C08J3/20; | HYBRID NANOCOMPOSITE FOR AQUATIC MEDIA REMEDIATION AND RESPECTIVE PRODUCTION METHOD |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012078645 A1 20120614 | US20100420925P; | AMAKO MASA AKI;DOW CORNING TORAY CO LTD; ITOH MAKI;SUTO MICHITAKA; | C09C1/36; C09C3/12; H01L23/28; | METHODS OF MODIFYING METAL-OXIDE NANOPARTICLES |
| WO2012053458 A1 20120426 | JP20100236181; | AMANO AKIKO;DAINIPPON PRINTING CO LTD;OOKAWA YASUHIRO; | B29C59/02; H01L21/027; | IMPRINTING METHOD, AND BONDING AGENT AND TRANSFER SUBSTRATE USED INSAME |
| WO2012056911 A1 20120503 | JP20100244032; | AMANO AKIKO;DAINIPPON PRINTING CO LTD;YAMADA NORIKO; | H01L21/027; B29C33/72; B29C59/02; | METHOD AND APPARATUS FOR WASHING MOLD FOR IMPRINTING APPLICATIONS, ANDPROCESS FOR PRODUCING MOLD FOR IMPRINTING APPLICATIONS |
| WO2012046493 A1 20120412 | JP20100228368;JP20100228372; | AMANO TADASHI;EGUCHI YOSHITSUGU;FURU DATE MANABU;INOUE TOMOHIRO;SHINETSU CHEMICAL CO; | C01G23/00; | RUTILE-TITANIUM-DIOXIDE MICROPARTICLE DISPERSION LIQUID, MANUFACTURINGMETHOD THEREFOR, AND MEMBER HAVING RUTILE-TITANIUM-DIOXIDE THIN FILM ON SURFACE THEREOF |
| WO2012078711 A2 20120614 | US20100421285P; | AMAYA MIGUEL A;UNIV TEXAS;YOU SEUNG M; | B32B15/16; | HYDROPHILIC SURFACES AND PROCESS FOR PREPARING |
| US2012015576 A1 20120119 | DE200910013884;WO2010EP53579; | AMBERG-SCHWAB SABINE;HAAS KARL-HEINZ;HALBHUBER ANNETT;UHL DETLEV; | B32B5/02; B32B9/00; | Antimicrobially Treated and/or Stain-Repellant Planar Substrates andMethod for Producing the Same |
| WO2012072953 A1 20120607 | FR20100059949; | AMEDURI BRUNO;BOUDEVIN BERNARD;DURAND NELLY;ECOLE NALE SUP ARTES METIERS;GANTILLON BARBARA;LOUBAT CEDRIC;PERILLON JEAN-LUC;SEB SA;SPECIFIC POLYMERS; | C09C1/40; C09C3/10; C09C3/12; C09C3/00; C09C1/30; | METAL-OXIDE NANOFILLER, METHOD FOR SYNTHESISING SAME, AND USE THEREOFIN A FLUOROCARBON-RESIN NON-STICK COATING |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012001094 A1 20120105 | EP20100006875;US20 100344374P; | AMINIAN HOSSEIN;UMICORE NV; | C01B19/00; H01L31/032; | SELENIDE POWDERS AND MANUFACTURING PROCESS |
| WO2012053561 A1 20120426 | JP20100234294; | AMINO YOSUKE;ASAHI GLASS CO LTD;KAWAMOTO MASAKO;KIHARA NAOTO;SAIJO YOSHITAKA;SERA YOICHI;TAKENAKA ATSUYOSHI;YOSHITAKE MASARU; | B01J23/42; H01M12/06; H01M8/10; B82Y30/00; H01M4/96; H01M4/88; | ELECTRODE MATERIAL AND METHOD FOR PRODUCING SAME |
| US2012099244 A1 20120426 | KR20080058525;KR20 090054849;WO2009K R03632; | AMOGREENTECH CO LTD; | B05D5/12; H01G9/04; | ELECTRODE OF HIGH-DENSITY SUPER CAPACITOR AND METHOD FOR MANUFACTURING SAME |
| US2012091009 A1 20120419 | KR20090052937;KR20 090076485;WO2010K R03797; | AMOGREENTECH CO LTD; | C25C1/20; C25C7/00; | METHOD AND APPARATUS FOR PRODUCING NANO-SIZED SILVER PARTICLES USING ELECTROLYSIS |
| TW201225385 A 20120616 | US20100406047P; | AMPRIUS INC; | B82Y40/00; H01M4/36; H01M4/02; H01M4/04; | Battery electrode structures for high mass loadings of high capacity active materials |
| US2012121989 A1 20120517 | US20100413888P;US 201113296753; | AMPRIUS INC; | H01M10/056; | ELECTROLYTES FOR RECHARGEABLE BATTERIES |
| US2012070741 A1 20120322 | US20100310183P;US 20100316104P;US201 00347614P;US201004 06047P;US201113039 031;US201113069212; US201113114413;US2 01113277821; | AMPRIUS INC; | C23C16/44; H01M4/38; C23C14/48; H01M4/46; H01M4/42; H01M4/04; H01M4/48; H01M4/583; | HIGH CAPACITY BATTERY ELECTRODE STRUCTURES |
| WO2012067943 A1 20120524 | US20100413888P; | AMPRIUS INC;FASCHING RAINER J;ROBERTS GREGORY ALAN;STEFAN CONSTANTIN I; | H01M10/0525; H01M4/48; H01M4/38; H01M10/0567; H01M10/0566; | ELECTROLYTES FOR RECHARGEABLE BATTERIES |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012054121 A2 20120426 | US20100369402P; | AMSDEN JASON;DAL NEGRO LUCA;KAPLAN DAVID;OMENETTO FIORENZO;TUFTS UNIVERSITY TRUSTEES OF TUFTS COLLEGE;UNIV BOSTON; | B82Y15/00; G01N33/52; G01N21/25; G01N33/53; | SILK-BASED BIOPHOTONIC SENSORS |
| WO2012070784 A2 20120531 | KR20100118971; | AN SOON HO;KIM EUN JIN;KIM HWA MOK;KWAK WOO CHUL;SEOUL OPTO DEVICE CO LTD;SONG JAE HOON; | H01L33/04; H01L33/18; | LIGHT EMITTING DEVICE AND METHOD OF FABRICATING THE SAME |
| PL2029488T T3 20120229 | ZA20060004138; | ANDERSON KRIS;ANDRE PASCAL;CHEN SHU;MULDOON MARKJAMES; | C01G1/02; | NON-POLAR CAPPED NANO TRANSITION METAL OXIDES AND SULFIDES |
| US2012156088 A1 20120621 | GB20090014390;WO2 010GB01555; | ANDERSON KRIS;ANDRE PASCAL;CHEN SHU;MULDOON MARKJAMES; | C22C5/04; B22F9/16; | PREPARATION OF FePt AND CoPt NANOPARTICLES |
| US2012141799 A1 20120607 | US20100419267P;US 201113310347; | ANDERSON TRAVIS;KUB FRANCIS;MASTRO MICHAEL; | B32B9/00; | Film on Graphene on a Substrate and Method and Devices Therefor |
| WO2012001060 A1 20120105 | SE20100000705;US20 100360141P; | ANDERSSON HENRIK;GUSTAFSSON TORBJOERN;HOEGANAE S AB;TAN SERDAR;THOMAS JOHN; | H01M4/525; C01B33/20; | LITHIUM IRON SILICATE CATHODE MATERIAL AND ITS PRODUCTION |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| US2012032377 A1 20120209 | EP20030024307;US20 030481561P;US20040 576499;WO2004EP52 656; | ANDERSSON-ENGELS STEFAN;BECK MARC;CARLBERG PATRICK;MONTELIUS LARS;PERSSON ANDERS;WAHLSTROEM LAES-GOERAN; | G03F9/00; G03F7/00; B28B17/00; | Apparatus and method for aligning surfaces |
| WO2012043441 A1 20120405 | JP20100218657; | ANDO KAZUTO;HAYASHI SHINTARO;ISHIZUKAMA SUSUMU;SUMITOMO OSAKA CEMENT CO LTD; | C04B37/00; H01L21/3065; C04B35/50; C23C16/458; | CERAMIC MEMBER |
| US2012074615 A1 20120329 | JP20060187958;US20 070774244;US201113 312189; | ANDO TAKASHI;KOMORIYA SUSUMU;MIYAUCHIAKIHI RO;OGINO MASAHIKO; | B29C59/02; | IMPRINT DEVICE AND MICROSTRUCTURE TRANSFER METHOD |
| US2012132644 A1 20120531 | US20090160534P;US 20090234529P;US201 013256477;WO2010U S27524; | ANDO TEIICHI;CHEN JULIE;CUI QINGZHOU;GU ZHIYONG; | H05B3/12; C25D5/00; H05B3/10; | METHODS FOR THE FABRICATION OF NANOSTRUCTURES HEATING ELEMENTS |
| WO2012013854 A1 20120202 | US20100846569; | ANDREW PIERS;BOWER CHRIS;NOKIA CORP;RYHAENEN TEUVO TAPANI;WEI DI; | H01M4/13; H01G9/042; C01B31/04; | A GRAPHENE - TITANIUM DIOXIDE ELECTRODE |
| CN102482096 A 20120530 | WO2009RU00364; | ANDREY PONOMAREV; | B82B1/00; C01B31/02; | Multi-layered carbon nanoparticles of the fulleroid type |
| WO2012041464 A1 20120405 | US20100404126P; | ANGER PASCAL;APPLIED MATERIALS ISRAEL LTD;CASARES ANTONIO;KEMEN THOMAS;RIEDEL CHRISTOF;ZEIDLERDIRK; ZEISS CARL SMT GMBH; | H01J37/09; | PARTICLE-OPTICAL SYSTEMS AND ARRANGEMENTS AND PARTICLE- OPTICALCOMPONENTS FOR SUCH SYSTEMS AND ARRANGEMENTS |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| CN102502850 A 20120620 | CN20111344396; | ANHUI ALAND NEW ENERGY MATERIALS CO LTD; | C01G45/02; B82Y40/00; | Preparation method of lithium manganate precursor spherical manganesehydroxide |
| NZ582558 A 20120629 | US20040570907P;US 20040616793P; | ANITA GOEL; | C12Q1/68; C12P19/34; C12Q1/70; | Nano-PCR: Methods and devices for nucleic acid amplification and detection |
| WO2012025209 A2 20120301 | DE201010035592; | ANNEL VIVIEN;ELCOMAX GMBH;HEMPELMANN ROLF;MITZEL JENS;NATTER HARALD;STEFENER MANFRED;UNIV SAARLAND; | C25D5/18; B01J23/42; B01J37/34; H01M4/88; B01J35/00; H01M8/10; C25D17/12; H01M4/92; B82Y30/00; C25D17/10; | ELECTROCHEMICAL DEPOSITION OF CATALYST NANOPARTICLES |
| US2012025150 A1 20120202 | US20100396555P;US 201113134167; | ANTARIS ALEXANDER L;GREEN ALEXANDER A;HERSAM MARK C; | H01B1/24; B03B5/32; B03B1/04; | Separation of single-walled carbon nanotubes by electronic type using block copolymers |
| WO2012047247 A2 20120412 | US20100396555P; | ANTARIS ALEXANDER L;GREEN ALEXANDER A;HERSAM MARK C;UNIV NORTHWESTERN; | B01J19/24; C01B31/02; B01D21/26; | SEPARATION OF SINGLE-WALLED CARBON NANOTUBES BY ELECTRONIC TYPE USING BLOCK COPOLYMERS |
| US2012094033 A1 20120419 | US20070881663P;US 20080017644;US2011 13331168; | ANTHONY REBECCA J;JURBERGS DAVID;KORTSHAGEN UWE;LI XUEGENG;MANGOLINI LORENZO;ROGOJINA ELENA; | C23C16/50; | NANOPARTICLES WITH GRAFTED ORGANIC MOLECULES |
| WO2012082965 A1 20120621 | US20100423236P; | ANTON WAIFONG LIEW;BERGE CHARLES T;DU PONT;LEEHEE HYUN;WOLFE MICHAEL STEPHEN; | C09C1/56; C09B67/00; C09D11/00; C09C3/10; | METHOD OF PREPARING ENCAPSULATED PIGMENT DISPERSIONS |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012026608 A1 20120301 | JP20100187667;JP20 110086280; | AOKI HIROYUKI;CANON KK;FUKUI TATSUKI;ITO SHINZABURO;KANAZAKI KENGO;KATO KOUICHI;MINAMI MASATO;OGAWA SATOSHI;SASAGURI DAISUKE;TAKAHASHI ATSUSHI;TOMIDA YOSHINORI;YAMAUCHI FUMIO;YANO TETSUYA;YUASA SATOSHI; | A61K49/22; B82Y5/00; A61K49/00; | POLYMERIC PARTICLE AND HYDROPHILIC DYE HAVING A SULFONATE GROUP ENCAPSULATED WITHIN THE PARTICLE |
| WO2012063948 A1 20120518 | JP20100253650; | AOKI MASASHI;HATOGAI TETSUHIRO;HITACHI HIGH TECH CORP;SHIZAWA NORITAKE;YAMASHITA NAOAKI; | H01L21/027; B29C59/02; B29C33/72; B81C99/00; | METHOD FOR CLEANING FINE PATTERN SURFACE OF MOLD, AND IMPRINTING DEVICE USING SAME |
| WO2012020741 A1 20120216 | JP20100180750; | AOKI MASASHI;HITACHI HIGH TECH CORP;ISHII SHINJIRO;SHIZAWA NORITAKE;YAMASHITA NAOAKI; | H01L21/027; B29C59/02; | LIGHT IMPRINTING METHOD AND DEVICE |
| WO2012014869 A1 20120202 | JP20100168314; | AOKI MASASHI;HITACHI HIGH TECH CORP;SHIRAISHI TOSHIMITSU;YAMASHITA NAOAKI; | B29C59/02; H01L21/027; | IMPRINT DEVICE AND IMPRINT TRANSFER METHOD |

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| US2012142158 A1 20120607 | US20020102365;US20040956851;US20070835167;US20090544436;US201213368901; | APPENZELLER JOERG;AVOURIS PHAEDON;CHAN KEVIN K;COLLINS PHILIP G;MARTEL RICHARD;WONG HON-SUM PHILIP; | H01L51/05; H01L21/336; | Self-Aligned Nanotube Field Effect Transistor and Method of Fabricating Same |
| US2012097257 A1 20120426 | US20050642828P;US20060330360;US20100702162;US201113283240; | APPLIED BIOSYSTEMS LLC; | F15C1/06; | SURFACE TENSION CONTROLLED VALVES |
| TW201201278 A 20120101 | US20100356391P;US201113155520; | APPLIED MATERIALS INC; | H01L21/3205; C23C16/06; | Chemical vapor deposition of ruthenium films containing oxygen or carbon |
| US2012082884 A1 20120405 | US20100388498P;US201113224709; | APPLIED MATERIALS INC; | B05B5/025; H01M4/485; H01M4/58; H01M2/18; H01M4/505; H01M2/16; H01M4/525; H01M4/64; | ELECTROSPINNING FOR INTEGRATED SEPARATOR FOR LITHIUM-ION BATTERIES |
| US2012080753 A1 20120405 | US20100388943P;US201113250766;US201161452801P;US201161468918P; | APPLIED MATERIALS INC; | H01L21/20; H01L29/786; H01L21/336; | GALLIUM ARSENIDE BASED MATERIALS USED IN THIN FILM TRANSISTOR APPLICATIONS |
| TW201222863 A 20120601 | US20100388943P;US201161452801P;US201161468918P; | APPLIED MATERIALS INC; | H01L31/042; H01L31/18; | High efficiency solar cell device with gallium arsenide absorber layer |
| US2012080092 A1 20120405 | US20100388943P;US201113250748;US201161452801P;US201161468918P; | APPLIED MATERIALS INC; | H01L31/0264; H01L31/18; | HIGH EFFICIENCY SOLAR CELL DEVICE WITH GALLIUM ARSENIDE ABSORBER LAYER |
| US2012003840 A1 20120105 | US20100293082P;US20100972711; | APPLIED MATERIALS INC; | H01L21/31; H01L21/469; | IN-SITU OZONE CURE FOR RADICAL-COMPONENT CVD |
| CN102349131 A 20120208 | US20090159752P;WO2010US27033; | APPLIED MATERIALS INC; | H01L21/027; | Large area dissolvable template lithography |

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| CN102369308 A 20120307 | US20090151159P;US 20090155454P;US200 90156862P;US200904 59313;WO2010US234 84; | APPLIED MATERIALS INC; | H01G9/042; C23C16/26; H01M4/96; C01B31/02; | Mesoporous carbon material for energy storage |
| US2012111272 A1 20120510 | US20090173552P;US 20100730975;US2012 13350446; | APPLIED MATERIALS INC; | H01L21/02; C23C16/34; | MOCVD SINGLE CHAMBER SPLIT PROCESS FOR LED MANUFACTURING |
| US2012164470 A1 20120628 | US201061427751P;U S201113331870; | APPLIED MATERIALS INC; | C23C28/00; C25D3/50; B32B15/01; | SILVER-NICKEL CORE-SHEATH NANOSTRUCTURES AND METHODS TO FABRICATE |
| US2012094468 A1 20120419 | US20100393604P;US 201113182671; | APPLIED MATERIALS INC; | H01L21/762; | TWO SILICON-CONTAINING PRECURSORS FOR GAPFILL ENHANCING DIELECTRICLINER |
| WO2012044978 A2 20120405 | US20100388943P;US 201161452801P;US20 1161468918P; | APPLIED MATERIALS INC;ARNEPALLI RANGA RAO;BLACKMAN CHRISTOPHER S;CARMALT CLAIRE J;KUMAR BHASKAR;NALAMASU OMKARAM;RAO SRIKANT;SARAF GAURAV;SATHASIVAM SANJAYAN;SINGH KAUSHAL K;VISSER ROBERT JAN; | H01L31/18; H01L31/042; H01L31/06; | HIGH EFFICIENCY SOLAR CELL DEVICE WITH GALLIUM ARSENIDE ABSORBER LAYER |
| WO2012044980 A2 20120405 | US20100388943P;US 201161452801P;US20 1161468918P; | APPLIED MATERIALS INC;KUMAR BHASKAR;SINGH KAUSHAL K;VISSER ROBERT JAN; | H01L29/786; G02F1/136; H01L21/336; | GALLIUM ARSENIDE BASED MATERIALS USED IN THIN FILM TRANSISTOR APPLICATIONS |

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| CN102443784 A 20120509 | US20030482861P;US 20030506864P;US200 30509563P;US200407 59857; | APPLIED MICROSTRUCTURES INC; | C23C16/52; B05D7/24; C09D4/00; C23C16/455; C23C16/00; | Apparatus and method for controlled application of reactive vapors toproduce thin films and coatings |
| CN102438776 A 20120502 | WO2009JP62925; | APPLIED NANOPARTICLE LAB CORP;SHINDENGEN ELECTRIC MFG; | B22F1/00; | Composite nanometal paste of two-metallic- component type, bondingmethod, and electronic part |
| US2012114972 A1 20120510 | WO2009JP62925; | APPLIED NANOPARTICLE LAB CORP;SHINDENGEN ELECTRIC MFG; | B32B15/00; B23K11/00; B23K35/34; B23K31/02; | Composite Nanometal Paste of Two-Metallic- Component Type, BondingMethod, and Electronic Part |
| KR20120014116 A 20120216 | US20090168516P;US 20100295624P; | APPLIED NANOSTRUCTURED SOLS; | B82B3/00; D01F9/12; D01C5/00; | APPARATUS AND METHOD FOR THE PRODUCTION OF CARBON NANOTUBES ON ACONTINUOUSLY MOVING SUBSTRATE |
| US2012070667 A1 20120322 | US20100385532P;US 201113231869; | APPLIED NANOSTRUCTURED SOLS; | B05D3/10; B32B9/00; | CARBON FIBER SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON ANDPROCESSES FOR PRODUCTION THEREOF |
| AU2010321534 A1 20120405 | US20090263804P;US 20090265718P;WO20 10US57916; | APPLIED NANOSTRUCTURED SOLS; | B32B15/14; | Ceramic composite materials containing carbon nanotube-infused fibermaterials and methods for production thereof |
| KR20120016622 A 20120224 | US20090173027P; | APPLIED NANOSTRUCTURED SOLS; | H05B3/14; B64D15/12; | CNT-BASED RESISTIVE HEATING FOR DEICING COMPOSITE STRUCTURES |
| EP2425364 A2 20120307 | US20090173027P;WO 2010US32446; | APPLIED NANOSTRUCTURED SOLS; | B64D15/12; | CNT-BASED RESISTIVE HEATING FOR DEICING COMPOSITE STRUCTURES |
| AU2010313129 A1 20120524 | US20090257413P;WO 2010US55180; | APPLIED NANOSTRUCTURED SOLS; | D01F6/60; | CNT-infused aramid fiber materials and process therefor |

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| AU2011305751 A1 20120621 | US20100385923P;US 201113006368;WO20 11US51844; | APPLIED NANOSTRUCTURED SOLS; | B82Y40/00; H01B7/00; B82Y99/00; B29C35/02; | CNT-infused fiber as a self shielding wire for enhanced powertransmission line |
| US2012000691 A1 20120105 | US20100295621P;US 20100385923P;US201 113006368;US201113 234100; | APPLIED NANOSTRUCTURED SOLS; | D02G3/36; H01B7/18; B05D5/12; C08K3/08; D02G3/02; C08K3/04; | CNT-INFUSED FIBER AS A SELF SHIELDING WIRE FOR ENHANCED POWERTRANSMISSION LINE |
| CA2782976 A1 20120329 | US20100385923P;US 201113006368;WO20 11US51844; | APPLIED NANOSTRUCTURED SOLS; | B29C41/00; B82Y30/00; H01B1/04; B82Y40/00; H01B9/00; | CNT-INFUSED FIBER AS A SELF SHIELDING WIRE FOR ENHANCED POWERTRANSMISSION LINE |
| AU2010321762 A1 20120405 | US20090263805P;US 20100945768;WO201 0US57520; | APPLIED NANOSTRUCTURED SOLS; | H05H1/00; | CNT-infused fibers in carbon-carbon composites |
| AU2010328139 A1 20120531 | US20090267794P;WO 2010US59565; | APPLIED NANOSTRUCTURED SOLS; | C01B31/02; | CNT-infused fibers in thermoplastic matrices |
| EP2401145 A1 20120104 | US20090155935P;US 20090157096P;US200 90168516P;US200901 69055P;US200901821 53P;US20090611070; WO2010US25658; | APPLIED NANOSTRUCTURED SOLS; | B32B9/00; | CNT-INFUSED GLASS FIBER MATERIALS AND PROCESS THEREFOR |
| AU2010350690 A1 20120419 | US20090263807P;US 20090286340P;WO20 10US57921; | APPLIED NANOSTRUCTURED SOLS; | B64C1/00; | CNT-tailored composite air-based structures |
| AU2010350689 A1 20120419 | US20090263807P;US 20090286340P;WO20 10US57920; | APPLIED NANOSTRUCTURED SOLS; | B64C1/00; | CNT-tailored composite land-based structures |

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| AU2010321536 A1 20120419 | US20090263807P;US 20090286340P;WO20 10US57922; | APPLIED NANOSTRUCTURED SOLS; | C23C16/00; | CNT-tailored composite space-based structures |
| US2012160966 A1 20120628 | US20090263807P;US 20090286340P;US201 00953430; | APPLIED NANOSTRUCTURED SOLS; | C09K5/00; C09K3/18; B64G1/52; C08K3/04; | CNT-TAILORED COMPOSITE SPACE-BASED STRUCTURES |
| CN102317200 A 20120111 | US20090153143P;US 20090263807P;WO20 10US24490; | APPLIED NANOSTRUCTURED SOLS; | B82B1/00; D01F9/12; | Composites comprising carbon nanotubes on fiber |
| AU2010308373 A1 20120315 | US20090253021P;WO 2010US52551; | APPLIED NANOSTRUCTURED SOLS; | B82B1/00; G01N23/00; | Damage-sensing composite structures |
| KR20120011853 A 20120208 | US20090168502P;US 20090539578;WO201 0US21874; | APPLIED NANOSTRUCTURED SOLS; | C01B31/02; B01J13/00; B82B1/00; B82Y40/00; | FIBER SIZING COMPRISING NANOPARTICLES |
| EP2417103 A1 20120215 | US20090168502P;US 20090539578;WO201 0US21874; | APPLIED NANOSTRUCTURED SOLS; | D06M11/00; C01B31/02; C03C25/10; D06M23/08; | FIBER SIZING COMPRISING NANOPARTICLES |
| AU2011207405 A1 20120621 | US20100297704P;WO 2011US22163; | APPLIED NANOSTRUCTURED SOLS; | B05D7/00; | Filtration systems and methods related thereto using carbonnanotube-infused fiber materials of spoolable length as a moving filtration medium |
| AU2010353294 A1 20120607 | US20090286340P;WO 2010US60358; | APPLIED NANOSTRUCTURED SOLS; | C09K21/02; | Flame-resistant composite materials and articles containing carbonnanotube-infused fiber materials |
| US2012064332 A1 20120315 | US20100382861P;US 201113230751; | APPLIED NANOSTRUCTURED SOLS; | B05D3/10; B32B17/02; | GLASS SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON AND METHODS FORPRODUCTION THEREOF |
| CN102470546 A 20120523 | US20090230993P;WO 2010US43779; | APPLIED NANOSTRUCTURED SOLS; | C03C13/00; B28B1/00; | Incorporation of nanoparticles in composite fibers |

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| KR20120036890 A 20120418 | US20090230993P; | APPLIED NANOSTRUCTURED SOLS; | C03C13/00; G02B6/02; C03B37/01; | INCORPORATION OF NANOPARTICLES IN COMPOSITE FIBERS |
| EP2461953 A1 20120613 | US20090230993P;WO 2010US43779; | APPLIED NANOSTRUCTURED SOLS; | B28B1/00; C03C13/00; | INCORPORATION OF NANOPARTICLES IN COMPOSITE FIBERS |
| US2012141880 A1 20120607 | US20100419224P;US 201113300402; | APPLIED NANOSTRUCTURED SOLS; | H01M10/0565; H01G9/025; H01M10/04; H01G13/00; H01G9/022; | IONICALLY CONDUCTIVE POLYMERS, METHODS FOR PRODUCTION THEREOF ANDELECTRICAL DEVICES MADE THEREFROM |
| EP2401416 A1 20120104 | US20090155935P;WO 2010US25668; | APPLIED NANOSTRUCTURED SOLS; | C23C16/00; D01F9/12; | LOW TEMPERATURE CNT GROWTH USING GAS-PREHEAT METHOD |
| US2012058352 A1 20120308 | US20100379713P;US 201113042397; | APPLIED NANOSTRUCTURED SOLS; | C23C16/02; B32B15/04; | METAL SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON AND METHODS FORPRODUCTION THEREOF |
| US2012058296 A1 20120308 | US20100379713P;US 201113223183; | APPLIED NANOSTRUCTURED SOLS; | B05D3/10; B32B15/04; | METAL SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON AND PROCESSESFOR PRODUCTION THEREOF |
| KR20120002980 A 20120109 | US20090168526P; | APPLIED NANOSTRUCTURED SOLS; | D06M11/73; | METHOD AND APPARATUS FOR USING A VERTICAL FURNACE TO INFUSE CARBONNANOTUBES TO FIBER |
| EP2417288 A1 20120215 | US20090168526P;WO 2010US30621; | APPLIED NANOSTRUCTURED SOLS; | D01F9/12; | METHOD AND APPARATUS FOR USING A VERTICAL FURNACE TO INFUSE CARBONNANOTUBES TO FIBER |
| KR20120005470 A 20120116 | US20090174335P; | APPLIED NANOSTRUCTURED SOLS; | D01F9/127; B82Y40/00; B01J23/745; C01B31/02; | METHOD AND SYSTEM FOR CLOSE PROXIMITY CATALYSIS FOR CARBON NANOTUBESYNTHESIS |
| EP2429945 A1 20120321 | US20090174335P;WO 2010US32444; | APPLIED NANOSTRUCTURED SOLS; | C01B31/02; D01F9/127; | METHOD AND SYSTEM FOR CLOSE PROXIMITY CATALYSIS FOR CARBON NANOTUBESYNTHESIS |

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| US2012052363 A1 20120301 | US20100378378P;US 201113220597; | APPLIED NANOSTRUCTURED SOLS; | H01G9/00; H01G9/155; H01M6/42; H01M6/00; H01G4/00; | STRUCTURAL ENERGY STORAGE ASSEMBLIES AND METHODS FOR PRODUCTION THEREOF |
| EP2403714 A1 20120111 | US20090157096P;US 20090182153P;WO20 10US25654; | APPLIED NANOSTRUCTURED SOLS; | D06M11/74; C01B31/02; B32B9/00; | SYSTEM AND METHOD FOR SURFACE TREATMENT AND BARRIER COATING OF FIBERS FOR IN SITU CNT GROWTH |
| WO2012074800 A1 20120607 | US20100419224P; | APPLIED NANOSTRUCTURED SOLS;BURGESS WILLIAM PATRICK;FLEISCHER COREY ADAM;LIU HAN; | H01M6/18; | IONICALLY CONDUCTIVE POLYMERS, METHODS FOR PRODUCTION THEREOF ANDELECTRICAL DEVICES MADE THEREFROM |
| WO2012030862 A1 20120308 | US20100378378P; | APPLIED NANOSTRUCTURED SOLS;FLEISCHER COREY ADAM; | H01M2/16; | STRUCTURAL ENERGY STORAGE ASSEMBLIES AND METHODS FOR PRODUCTION THEREOF |
| WO2012040004 A1 20120329 | US20100385532P; | APPLIED NANOSTRUCTURED SOLS;MALET BRANDON K;SHAH TUSHAR K; | C01B31/00; | CARBON FIBER SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON ANDPROCESSES FOR PRODUCTION THEREOF |
| WO2012037042 A1 20120322 | US20100382861P; | APPLIED NANOSTRUCTURED SOLS;MALET BRANDON K;SHAH TUSHAR K; | B05D5/06; B05D5/12; | GLASS SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON AND METHODS FORPRODUCTION THEREOF |
| WO2012031042 A1 20120308 | US20100379713P;US 201113042397; | APPLIED NANOSTRUCTURED SOLS;MALET BRANDONKYLE;PATEL JIGAR M;SHAH TUSHAR K; | B05D5/12; | METAL SUBSTRATES HAVING CARBON NANOTUBES GROWN THEREON AND METHODS FORPRODUCTION THEREOF |

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| EP2417286 A1 20120215 | US20090168516P;US 20100295624P;WO2010US25660; | APPLIED NANOSTRUCTURED SOLUTIONS INC; | D01F9/12; D01C5/00; | APPARATUS AND METHOD FOR THE PRODUCTION OF CARBON NANOTUBES ON A CONTINUOUSLY MOVING SUBSTRATE |
| AU2010313613 A1 20120517 | US20090611103;WO2010US52552; | APPLIED NANOSTRUCTURED SOLUTIONS INC; | D01F9/12; | CNT-infused ceramic fiber materials and process therefor |
| US2012049384 A1 20120301 | US20090163894P;US 20090174758P;US201013260893;WO2010US28811; | APPLIED NANOTECH HOLDINGS INC;ISHIHARA CHEMICAL CO LTD; | H05K1/09; H05K3/02; H05K1/11; H01L21/768; H01L23/48; | Buffer Layer to Enhance Photo and/or Laser Sintering |
| CN102448623 A 20120509 | US20090415761;WO2010US28799; | APPLIED NANOTECH HOLDINGS INC;ISHIHARA CHEMICAL CO LTD; | C09D11/02; B05D5/12; | Metallic ink |
| KR20120050924 A 20120521 | US20090415761; | APPLIED NANOTECH HOLDINGS INC;ISHIHARA CHEMICAL CO LTD; | B05D5/12; H01B1/22; C09D11/02; | METALLIC INK |
| EP2414109 A1 20120208 | US20090415761;WO2010US28799; | APPLIED NANOTECH HOLDINGS INC;ISHIHARA CHEMICAL CO LTD; | C09D11/02; B05D5/12; | METALLIC INK |
| WO2012012302 A2 20120126 | US20100838474; | APPLIED NANOTECH HOLDINGS INC;MAO DONGSHENG;YANIV ZVI; | B05D1/12; | METHOD FOR MAKING REINFORCED POLYMER MATRIX COMPOSITES |
| CN102481595 A 20120530 | US20090225797P;US 20100836547;WO2010US42169; | APPLIED NANOTECH INC; | B05D3/00; | Applying optical energy to nanoparticles to produce a specified nanostructure |
| EP2454024 A1 20120523 | US20090225797P;US 20100836547;WO2010US42169; | APPLIED NANOTECH INC; | B05D3/00; | APPLYING OPTICAL ENERGY TO NANOPARTICLES TO PRODUCE A SPECIFIED NANOSTRUCTURE |

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| KR20120018786 A 20120305 | US20090184549P;US 20100793659; | APPLIED NANOTECH INC; | C01B31/04; B01J20/32; B01J20/282; | CARBON-CONTAINING MATRIX WITH FUNCTIONALIZED PORES |
| EP2438008 A1 20120411 | US20090184549P;US 20100793659;WO201 0US37435; | APPLIED NANOTECH INC; | C01B31/00; | CARBON-CONTAINING MATRIX WITH FUNCTIONALIZED PORES |
| US8158880 B1 20120417 | US20070881013P;US 20070923036;US2007 0923070;US20080016 172; | AQT SOLAR INC; | H01L27/14; H01L31/00; | Thin-film photovoltaic structures including semiconductor grain and oxide layers |
| US2012010068 A1 20120112 | AU20070906272;WO2 008AU01688; | AQUA DIAGNOSTIC PTY LTD LEVEL 1; | B01J21/06; | PHOTO ELECTRODES |
| US2012059120 A1 20120308 | JP20080126695;US20 080270687;US201113 293833; | ARAI HIROKI;AWANO HIROSHI;GOTO TERUYA;HABA OSAMU;HIDA MASAHIRO;KURAMOTO NORIYUKI;MATSUMURA MITSUNOBU;NISHIMURA NAOYA;OZAWA MASAAKI;TAKAHASHI TATSUHIRO;YAMAGUCHI YUSHI;YONETAKE KOICHIRO; | C07C211/54; | Carbon Nanotube Grafted with Low-Molecular Weight Polyaniline and Dispersion Thereof |
| WO2012013852 A2 20120202 | ES20100031195; | ARCE ARCE ALBERTO;RODIL RODRIGUEZ EVA;RODRIGUEZ CABO BORJA;SOTO CAMPOS ANA;UNIV SANTIAGO COMPOSTELA; | B82B3/00; B22F1/00; B22F9/24; | METHOD FOR THE PREPARATION OF NANOPARTICLES IN IONIC LIQUIDS |

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| US2012039824 A1 20120216 | US20090193984P;US 201013144431;WO20 10US00089; | ARCHER LYNDEN A;CORONA ALEXANDRA ELENA;OLENICK LAURA LYNNE;SCHAEFER JENNIFER LYN; | C08G77/38; C09D7/00; C09J183/00; A61K8/58; C10M105/76; C09J11/00; C07F15/06; A61K8/89; C10M105/18; H01M10/056; C09D183/04; A61Q17/04; C07F7/02; | Nanoparticle Organic Hybrid Materials (NOHMS) |
| WO2012031164 A2 20120308 | US20100379701P; | ARIA ADRIANUS INDRAT;BEIZAI MASOUD;CALIFORNIA INST OF TECHN;GHARIB MORTEZA; | A61K9/00; A61F2/958; A61K47/32; A61K47/48; A61K47/24; A61K47/26; | DRUG DELIVERY BY CARBON NANOTUBE ARRAYS |
| JP2012098294 A 20120524 | US20050741956P;US 20060385136;US2006 0385215;US20060784 331P;US20060784388 P;US20060784390P;U S20060784500P;US20 060795806P;US20060 799203P; | ARISU CORP KK; | G01N23/227; G01N23/225; | ION SOURCE, SYSTEM AND METHOD |
| JP2012074383 A 20120412 | US20050741956P;US 20060385136;US2006 0385215;US20060784 331P;US20060784388 P;US20060784390P;U S20060784500P;US20 060795806P;US20060 799203P; | ARISU CORP KK; | H01J37/26; H01J37/08; H01J37/09; H01J27/26; H01J37/28; | ION SOURCE, SYSTEM AND METHOD |

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| US2012077398 A1 20120329 | FR20090053135;FR20 090059684;US200902 35475P;US201013319 557;WO2010FR50892; | ARKEMA FRANCE; | B32B5/02; H05B6/64; | FIBROUS SUBSTRATE, MANUFACTURING PROCESS AND USES OF SUCH A FIBROUSSUBSTRATE |
| US2012017616 A1 20120126 | US20090573786;US20 1013144450;WO2010 US50045; | ARKEMA FRANCE; | F25B1/00; | Heat Transfer Method |
| CN102361921 A 20120222 | FR20090051842;US20 090235466P;WO2010 FR50501; | ARKEMA FRANCE; | C08L63/00; C08K3/04; C08K7/22; | Method for preparing a thermosetting composite material with a highnanotube content |
| CN102361929 A 20120222 | FR20090051840;US20 090235463P;WO2010 FR50499; | ARKEMA FRANCE; | C08L53/00; C08L83/04; C08J5/00; C08J3/22; C01B31/08; C08L27/12; C08K3/04; C08L55/00; | Method for preparing an elastomeric composite material with a highnanotube content |
| US2012108694 A1 20120503 | FR20090050637;WO2 010FR50164; | ARKEMA FRANCE; | C08G81/00; H01B1/12; B29C71/00; C08L77/02; H01B1/22; | METHOD FOR SYNTHESISING A BLOCK COPOLYMER ALLOY HAVING IMPROVEDANTISTATIC PROPERTIES |
| JP2012017476 A 20120126 | FR20040002125; | ARKEMA FRANCE; | C08K7/00; C08G69/16; C08L77/02; B29C67/00; C08G69/18; C08J3/28; C08K3/04; C08G69/14; C08K3/22; | METHOD OF MANUFACTURING HIGH- MELTING POINT POLYAMIDE 12 POWDER |
| FR2968676 A1 20120615 | FR20100060483; | ARKEMA FRANCE; | B82Y40/00; C22C47/14; B82Y30/00; C22C1/10; | PROCEDE D'INTRODUCTION DE NANOCHARGES D'ORIGINE CARBONIQUE DANS UN METAL OU UN ALLIAGE |

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| CN102356490 A 20120215 | FR20090001279;WO2 010FR50485; | ARKEMA FRANCE;CENTRE NAT RECH SCIENT; | H01M4/04; H01M4/131; H01M4/1391; H01M10/0525; H01M4/62; | Fluorinated binder composite materials and carbon nanotubes for positive electrodes for lithium batteries |
| US2012028117 A1 20120202 | FR20090001279;WO2 010FR50485; | ARKEMA FRANCE;CENTRE NAT RECH SCIENT; | H01M4/36; H01M4/139; H01M4/136; H01B1/24; | FLUORINATED BINDER COMPOSITE MATERIALS AND CARBON NANOTUBES FOR POSITIVE ELECTRODES FOR LITHIUM BATTERIES |
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| US2012132843 A1 20120531 | FR20060051816;US20 060830148P;US20090 301108;US201113339 517;WO2007FR51286; | ARKEMA FRANCE;CENTRE NAT RECH SCIENT; | C02F5/10; C09D5/02; D06M15/263; C11D3/37; C08L33/02; C04B28/02; | USE OF COMPOSITE MATERIALS BASED ON CARBON NANOTUBES AS THICKENING AGENTS FOR AQUEOUS SOLUTIONS |
| WO2012066241 A2 20120524 | FR20100059446; | ARKEMA FRANCE;GAILLARD PATRICE;HAVEL MICKAEL;KORZHENKO ALEXANDER; | C08J5/24; B29C70/02; C08J3/24; B29B15/12; B29C70/00; B82Y30/00; | METHOD FOR PRODUCING FIBROUS MATERIALS PRE-IMPREGNATED WITH A THERMOHARDENABLE POLYMER |

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| WO2012080626 A2 20120621 | FR20100060483; | ARKEMA FRANCE;GAILLARD PATRICE;KORZHENKO ALEXANDER;MERCERON AMELIE; | B82Y30/00; C22C47/14; | METHOD FOR INSERTING CARBON NANOFILLERS INTO A METAL OR ALLOY |
| CN102470351 A 20120523 | FR20090055692;WO2 010FR51717; | ARKEMA FRANCE;INST NAT POLYTECHNIQUE; | C01B31/02; B01J37/02; B01J23/881; | Two-layer catalyst, process for preparing same and use for manufacture of nanotubes |
| US2012149551 A1 20120614 | FR20090055692;WO2 010FR51717; | ARKEMA FRANCE;TOULOUSE INST NAT POLYTECH; | B01J21/04; B01J23/85; B01J21/08; B01J21/06; B01J21/10; B01J23/881; H01B1/24; D01F9/12; D01F9/127; B01J29/04; B01J21/18; | TWO-LAYER CATALYST, PROCESS FOR PREPARING SAME AND USE FOR THE MANUFACTURE OF NANOTUBES |
| KR20120051019 A 20120521 | FR20090055692; | ARKEMA FRANCE;TOULOUSE INST NAT POLYTECH; | C01B31/02; B01J23/881; B01J37/02; | TWO-LAYER CATALYST, PROCESS FOR PREPARING SAME AND USE FOR THE MANUFACTURE OF NANOTUBES |
| EP2467205 A2 20120627 | FR20090055692;WO2 010FR51717; | ARKEMA FRANCE;TOULOUSE INST NAT POLYTECH; | B01J23/881; | TWO-LAYER CATALYST, PROCESS FOR PREPARING SAME AND USE FOR THE MANUFACTURE OF NANOTUBES |
| CN102307807 A 20120104 | FR20080058459;WO2 009FR52408; | ARKEMA FRANCE;UNIV TOULOUSE; | C01G19/02; H01M4/48; C01B31/02; H01M4/58; | Method for manufacturing a SnO ₂ composite material and carbon nanotubes and/or carbon nanofibres, material obtained by the method, and lithium battery electrode comprising said material |
| US2012108729 A1 20120503 | US20090226460P;US 201013382548;WO20 10US37884; | ARKEMA INC; | C08K3/40; C08K3/34; C08K3/04; C08K3/00; C08K5/00; C08L67/06; C08K11/00; | IMPACT-MODIFIED POLYCARBONATE/POLYESTER OR POLYCARBONATE/POLYAMIDE COMPOSITIONS |
| US2012135333 A1 20120531 | US20090187068P;US 201013377982;WO20 10US38451; | ARKEMA INC; | H01M8/10; | ORGANIC/INORGANIC COMPOSITE BLEND MEMBRANE COMPOSITIONS OF POLYELECTROLYTE BLENDS WITH NANOPARTICLES |

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| CN102348637 A 20120208 | EP20090305216;WO2010EP52910; | ARMINES;INST NAT SANTE RECH MED; | C01B31/06; C09K11/00; | Method for manufacturing cubic diamond nanocrystals |
| EP2406179 A1 20120118 | EP20090305216;EP20100709467;WO2010EP52910; | ARMINES;INST NAT SANTE RECH MED; | C01B31/06; C09K11/00; | METHOD FOR MANUFACTURING CUBIC DIAMOND NANOCRYSTALS |
| WO2012004319 A1 20120112 | DE201010026490; | ARZT EDUARD;BASF SE;BLAESI BENEDIKT;BUESCH FLORIAN;DE OLIVEIRA PETER WILLIAM;DEVIRIM SAM EBRU;FRAUNHOFER GES FORSCHUNG;KRONER ELMAR;LEIBNIZ INST NEUE MATERIALIEN;MUELLER CLAAS;NITSCH MICHAEL;SCHWALM REINHOLD;SPIECKER HANNES;URBAN DIETER; | B05D1/28; G03F7/00; B05D5/10; | METHOD FOR PRODUCING FINELY STRUCTURED SURFACES |
| US2012165454 A1 20120628 | WO2009JP66392; | ASAHI CHEMICAL CORP; | B05D7/14; C08K3/08; | RESIN-COATED METAL PIGMENT, AND PROCESS FOR PRODUCING SAME |
| KR20120035217 A 20120413 | WO2009JP66392; | ASAHI CHEMICAL CORP; | C09C1/62; C09C3/10; | RESIN-COATED METAL PIGMENT, AND PROCESS FOR PRODUCING SAME |
| WO2012035637 A1 20120322 | WO2010JP66084; | ASAHI CHEMICAL CORP;IITSUKA CHIIHIRO;SUZUKI KEN;YAMAGUCHI TATSUO; | B01J23/60; C07C69/54; C07C51/25; B01J23/89; C01B33/26; C07C67/39; C07C57/045; | SILICA-BASED MATERIAL, MANUFACTURING PROCESS THEREFOR, NOBLE METALCARRYING MATERIAL, AND CARBOXYLIC ACID MANUFACTURING PROCESS USING SAME AS CATALYST |
| CN102448704 A 20120509 | JP20090136700;WO2010JP59420; | ASAHI CHEMICAL IND; | B29C59/04; B29C33/38; | Transfer mold and method for producing transfer mold |
| KR20120028904 A 20120323 | JP20090136700; | ASAHI CHEMICAL IND; | B29C59/04; B29C33/38; | TRANSFER MOLD AND METHOD FOR PRODUCING TRANSFER MOLD |

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| EP2439050 A1 20120411 | JP20090136700;WO2 010JP59420; | ASAHI CHEMICAL IND; | B29C33/38; B29C59/04; | TRANSFER MOLD AND METHOD FOR PRODUCING TRANSFER MOLD |
| US2012148704 A1 20120614 | JP20090136700;WO2 010JP59420; | ASAHI CHEMICAL IND; | B29C59/16; B29C59/04; | TRANSFERRING MOLD AND PRODUCTION PROCESS OF TRANSFERRING MOLD |
| EP2460766 A1 20120606 | JP20090174356;WO2 010JP62364; | ASAHI GLASS CO LTD; | C09D127/12; C09D7/12; C01G23/04; C09C1/36; C09D11/10; | COMPOSITE PARTICLE, COMPOSITION FOR FORMING COATING MEMBRANE, PRINTING INK, COATING MATERIAL COMPOSITION, COATED ARTICLE, AND RESIN FILM WITH ATTACHED COATING MEMBRANE |
| CN102471087 A 20120523 | JP20090174356;WO2 010JP62364; | ASAHI GLASS CO LTD; | C09D127/12; C09D7/12; C09D11/10; C01G23/04; | Composite particle, composition for forming coating membrane, printingink, coating material composition, coated article, and resin film with attached coating membrane |
| AU2010276770 A1 20120202 | JP20090174356;WO2 010JP62364; | ASAHI GLASS CO LTD; | C09D7/12; C09D127/12; C09D11/10; C01G23/04; | Composite particle, composition for forming coating membrane, printingink, coating material composition, coated article, and resin film with attached coating membrane |
| KR20120041199 A 20120430 | JP20090174356; | ASAHI GLASS CO LTD; | C09D127/12; C09D11/10; C01G23/04; C09D7/12; | COMPOSITE PARTICLE, COMPOSITION FOR FORMING COATING MEMBRANE, PRINTINGINK, COATING MATERIAL COMPOSITION, COATED ARTICLE, AND RESIN FILM WITH ATTACHED COATING MEMBRANE |
| US2012107604 A1 20120503 | JP20090174356;WO2 010JP62364; | ASAHI GLASS CO LTD; | B32B5/16; B32B15/02; | COMPOSITE PARTICLES, COMPOSITION FOR FORMING COATING LAYER, PRINTINGINK, COATING MATERIAL COMPOSITION, COATED ARTICLE AND RESIN FILM HAVING COATING LAYER |
| KR20120034074 A 20120409 | JP20090161607; | ASAHI GLASS CO LTD; | H01L21/027; | EUV-LITHOGRAPHY REFLECTION-TYPE MASK BLANK |
| EP2453464 A1 20120516 | JP20090161607;WO2 010JP61560; | ASAHI GLASS CO LTD; | H01L21/027; | EUV-LITHOGRAPHY REFLECTION-TYPE MASK BLANK |

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| AT556098T T 20120515 | JP20070162466;WO2 008JP52373; | ASAHI GLASS CO LTD; | H01L21/027; G03F7/033; C08F220/22; B29C59/02; C08F220/20; G03F7/027; B82Y10/00; C08F2/48; | LICHTH—RTBARE ZUSAMMENSETZUNG UND VERFAHREN ZUR HERSTELLUNG EINESFORMOBJEKTS MIT FEINER OBERFL—CHENSTRUKTUR |
| CN102428046 A 20120425 | JP20090120005;WO2 010JP57978; | ASAHI GLASS CO LTD; | C03B20/00; G03F1/22; C03B25/00; C03C3/06; C03C3/076; C03B32/00; H01L21/027; | Method for producing tio2-sio2 glass body, method for heat-treatingtio2-sio2 glass body, tio2- sio2 glass body, and optical base for euvl |
| CN102421713 A 20120418 | JP20090116488;WO2 010JP57977; | ASAHI GLASS CO LTD; | G03F1/22; C03B32/00; C03C3/06; C03B25/00; C03C3/076; C03B27/012; | Method for producing tio2-sio2 glass body, method for heat-treatingtio2-sio2 glass body, tio2- sio2 glass body, and optical base for euvl |
| KR20120030373 A 20120328 | JP20090120005; | ASAHI GLASS CO LTD; | C03B32/00; C03B25/00; C03C3/076; C03B20/00; | METHOD FOR PRODUCING TiO2-SiO2 GLASS BODY, METHOD FOR HEAT-TREATINGTiO2- SiO2 GLASS BODY, TiO2-SiO2 GLASS BODY, AND OPTICAL BASE FOR EUVL |
| KR20120020115 A 20120307 | JP20090116488; | ASAHI GLASS CO LTD; | C03B20/00; C03C3/076; C03B25/00; C03B32/00; | METHOD FOR PRODUCING TiO2-SiO2 GLASS BODY, METHOD FOR HEAT-TREATINGTiO2- SiO2 GLASS BODY, TiO2-SiO2 GLASS BODY, AND OPTICAL BASE FOR EUVL |
| US2012100341 A1 20120426 | JP20090120005;WO2 010JP57978; | ASAHI GLASS CO LTD; | C03C3/04; C03B25/00; | METHOD FOR PRODUCING TIO2-SIO2 GLASS BODY, METHOD FOR HEAT-TREATINGTIO2- SIO2 GLASS BODY, TIO2-SIO2 GLASS BODY, AND OPTICAL BASE FOR EUVL |
| US2012121857 A1 20120517 | JP20090116488;WO2 010JP57977; | ASAHI GLASS CO LTD; | B32B3/00; C03C3/04; C03B25/00; | METHOD FOR PRODUCING TIO2-SIO2 GLASS BODY, METHOD FOR HEAT-TREATINGTIO2- SIO2 GLASS BODY, TIO2-SIO2 GLASS BODY, AND OPTICAL BASE FOR EUVL |
| EP2463250 A1 20120613 | JP20090116488;WO2 010JP57977; | ASAHI GLASS CO LTD; | C03C3/076; H01L21/027; C03C3/06; C03B32/00; C03B25/00; C03B20/00; | METHOD FOR PRODUCING TIO2-SIO2 GLASS BODY, METHOD FOR HEAT-TREATINGTIO2- SIO2 GLASS BODY, TIO2-SIO2 GLASS BODY, AND OPTICAL BASE FOR EUVL |

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| EP2441736 A1 20120418 | JP20090120005;WO2 010JP57978; | ASAHI GLASS CO LTD; | C03C3/076; C03C3/06; C03B32/00; C03B20/00; H01L21/027; C03B25/00; | METHOD FOR PRODUCING TIO2-SIO2 GLASS BODY,METHOD FOR HEAT-TREATINGTIO2- SIO2 GLASS BODY,TIO2-SIO2 GLASS BODY,AND OPTICAL BASE FOR EUVL |
| US2012107733 A1 20120503 | JP20090161607;WO2 010JP61560; | ASAHI GLASS CO LTD; | G03F1/22; G03F1/24; | REFLECTIVE MASK BLANK FOR EUV LITHOGRAPHY |
| AT546759T T 20120315 | JP20060117992;WO2 007JP59002; | ASAHI GLASS CO LTD; | G03F7/22; | REFLEXIONSMASKENROHLING FÜR EUV- LITHOGRAPHIE |
| WO2012017530 A1 20120209 | WO2010JP63211; | ASAHI GLASS CO LTD;FUJIE AYAKO;KAWAGUCHI YASUhide;NAKAYAMA FUMIKO; | H01L21/027; B29C59/02; C08F220/28; | PHOTOCURABLE COMPOSITION AND METHOD FOR PRODUCING MOLDED BODY HAVINGSURFACE THAT IS PROVIDED WITH FINE PATTERN |
| WO2012070546 A1 20120531 | JP20100260387; | ASAHI GLASS CO LTD;KAIDA YURIKO;SAKAMOTO HIROSHI;SHIRATORI SATOSHI; | B29C59/02; H01L21/027; | TRANSFER DEVICE AND METHOD FOR PRODUCING RESIN PATTERN |
| AT541330T T 20120115 | JP20030179783;JP20 030301226;WO2004J P08889; | ASAHI GLASS CO LTD;PANASONIC CORP; | H01M4/88; H01M8/10; H01M4/86; | MEMBRAN-ELEKTRODENBAUGRUPPE FÜR EINE FESTPOLYMER- BRENNSTOFFZELLE UNDHERSTELLUNGSVERFAHREN DAFÜR |
| WO2012070537 A1 20120531 | JP20100260469;JP20 100260476; | ASAKA KINJI;FURUKAWA ELECTRIC CO LTD;MUKAI KEN;NAT INST OF ADVANCED IND SCIEN;RIKIHISA HIROAKI;SHIMADA MICHIIHIRO;SUGINO TAKUSHI;TACHIBANA MASATO; | H01B1/04; D01D5/06; C01B31/02; D01F9/127; H01B7/00; | COAGULATION SPINNING STRUCTURE AND PRODUCTION METHOD THEREFOR, ANDELECTRIC WIRE USING SAME |

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| US2012103412 A1 20120503 | JP20090125233;WO2 010JP03491; | ASAKURA KIYOTAKA;KATO TAKAHIKO;KAYASHIMA SATOSHI;MISAWA HIROAKI;NISHIGUCHI NORIIHIKO;WATANABE SEIICHI;YATSU SHIGEO; | C30B11/12; H01L31/0236; B32B3/14; | METHOD FOR FABRICATING A LASER- INDUCED SURFACE NANOARRAY STRUCTURE,AND DEVICE STRUCTURE FABRICATED USING SAID METHOD |
| US2012009791 A1 20120112 | JP20100155750; | ASANO MASAFUMI;KOSHIBA TAKESHI;ZHANG YINGKANG; | B29C35/08; H01L21/311; | PATTERN FORMATION METHOD |
| US2012028123 A1 20120202 | JP20100038646;WO2 011JP00809; | ASARI TAKUMA;HASHIMOTO YASUHIRO;HAYASHI SHIGEO;KUMAGAI HIRONORI;OKADA TAKASHI;YOSHIKAWA NAOKI; | B32B3/02; B05D5/00; H01G9/00; B05D3/00; B05D3/14; H01M4/139; H01G9/042; H01M4/583; H01M10/04; | CARBON NANOTUBE FORMING SUBSTRATE, CARBON NANOTUBE COMPLEX, ENERGYDEVICE, METHOD FOR MANUFACTURING ENERGY DEVICE, AND APPARATUS INCLUDING ENERGY DEVICE |
| US2012086800 A1 20120412 | US20100898969; | ASML HOLDING NV; | G06K9/00; H04N7/18; G01N21/88; | Surface Inspection System with Advanced Illumination |
| US2012153538 A1 20120621 | US20070896750;US20 1213402543; | ASML NETHERLANDS BV; | B29C47/00; | IMPRINT LITHOGRAPHY |
| US2012133076 A1 20120531 | US20040019521;US20 050303026;US200906 15505;US2012133690 26; | ASML NETHERLANDS BV; | B29C59/02; | IMPRINT LITHOGRAPHY |
| US2012091629 A1 20120419 | US20050312659;US20 090391954;US201113 331985; | ASML NETHERLANDS BV; | B29C59/02; | IMPRINT LITHOGRAPHY |
| JP2012049569 A 20120308 | US20040019521; | ASML NETHERLANDS BV; | B29C59/02; H01L21/027; | IMPRINT LITHOGRAPHY |
| US2012021140 A1 20120126 | US20100367760P;US 201113189145; | ASML NETHERLANDS BV; | B29C35/08; B28B11/08; G01B11/03; | IMPRINT LITHOGRAPHY ALIGNMENT METHOD AND APPARATUS |

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| NL2006747 A 20120130 | US20100367760P; | ASML NETHERLANDS BV; | G03F7/00; | IMPRINT LITHOGRAPHY ALIGNMENT METHOD AND APPARATUS. |
| TW201211528 A 20120316 | US20100374004P; | ASML NETHERLANDS BV; | G01N21/88; | Imprint lithography inspection method and apparatus |
| NL2007128 A 20120220 | US20100374004P; | ASML NETHERLANDS BV; | G03F7/00; | IMPRINT LITHOGRAPHY INSPECTION METHOD AND APPARATUS. |
| NL2007160 A 20120228 | US20100377399P; | ASML NETHERLANDS BV; | G03F7/00; | IMPRINT LITHOGRAPHY METHOD AND IMPRINTABLE MEDIUM. |
| US2012012611 A1 20120119 | US20060478304;US201113194630; | ASML NETHERLANDS BV; | B67D7/06; | IMPRINTABLE MEDIUM DISPENSER |
| TW201200971 A 20120101 | US20100358645P;US20100362981P; | ASML NETHERLANDS BV; | G03F7/20; | Lithographic apparatus and method |
| EP2465012 A1 20120620 | US20100358645P;US20100362981P;WO2011EP54057; | ASML NETHERLANDS BV; | C01B31/04; G03F7/20; G02B5/20; G02B5/08; G03F1/00; G21K1/06; | LITHOGRAPHIC APPARATUS AND METHOD |
| NL2007940 A 20120627 | US201061426597P; | ASML NETHERLANDS BV; | G03F7/20; | METHODS FOR PROVIDING PATTERNED ORIENTATION TEMPLATES FOR SELF-ASSEMBLABLE POLYMERS FOR USE IN DEVICE LITHOGRAPHY. |
| CN102318010 A 20120111 | US20090152580P;WO2010EP50195; | ASML NETHERLANDS BV; | G21K1/06; G03F7/00; | Multilayer mirror and lithographic apparatus |
| AT553403T T 20120415 | US20050115406; | ASML NETHERLANDS BV; | G21K1/06; G02B5/08; B82Y10/00; G03F7/20; G02B5/28; G02B1/10; | SPEKTRALER REINIGUNGSFILTER FÜR EINEN MEHRSCHICHTIGEN SPIEGEL, LITHOGRAFISCHE VORRICHTUNG MIT EINEM DERARTIGEN MEHRSCHICHTIGEN SPIEGEL, VERFAHREN ZUR VERGRÖßERUNG DES VERHÄLTNISSSES VON ERWÜNSCHTER UND UNERWÜNSCHTER STRAHLUNG SOWIE GERÄTEHERSTELLUNGSVERFAHREN |

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| WO2012025316 A1 20120301 | US20100377399P; | ASML NETHERLANDS BV;BANINE VADIM;DIJKSMAN JOHAN;GIESBERS JACOBUS;JEUNINK ANDRE;KLOOTWIJK JOHAN;KOOLE ROELOF;MAUCZOK RUEDIGER;PEETERS EMIEL;VAN DER MARK MARTINUS;VAN HEESCH CHRIS;WUISTER SANDER; | G03F7/00; | IMPRINT LITHOGRAPHY METHOD AND IMPRINTABLE MEDIUM |
| WO2012016744 A1 20120209 | US20100370940P;US 20100382151P;US201 00418214P;US201061 426275P; | ASML NETHERLANDS BV;DE FOCKERT GEORGE;DE SCHIFFART CATHARINUS;DIJKSMAN JOHAN;HARDEMAN TOON;JANSEN ALBERT;JEUNINK ANDRE;KRUIJT- STEGEMAN YVONNE;RENKENS MICHAEL;VAN BAARS GREGOR;VAN SCHOTHORST GERARD;WUISTER SANDER; | G03F7/00; B29C43/00; | IMPRINT LITHOGRAPHY |
| WO2012084558 A1 20120628 | US201061426597P; | ASML NETHERLANDS BV;DIJKSMAN JOHAN;KETELAARS WILHELMUS;KOOLE ROELOF;PEETERS EMIEL;VAN HEESCH CHRIS;WUISTER SANDER; | G03F7/00; | METHODS FOR PROVIDING PATTERNED ORIENTATION TEMPLATES FORSELF- ASSEMBLABLE POLYMERS FOR USE IN DEVICE LITHOGRAPHY |

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| WO2012019874 A1 20120216 | US20100373506P; | ASML NETHERLANDS BV;KOEVOETS ADRIANUS;RENKENS MICHAEL;WUISTER SANDER; | G03F7/20; G03F7/00; | LITHOGRAPHY METHOD AND APPARATUS |
| WO2012022561 A1 20120223 | US20100374004P; | ASML NETHERLANDS BV;KOOLE ROELOF; | G03F7/00; | INSPECTION METHOD FOR IMPRINT LITHOGRAPHY AND APPARATUS THEREFOR |
| US2012156954 A1 20120621 | US20090539211;US20090539263;US20090543574;US20090543586;US20090543607;US20090543625;US201013386865;WO2010US44691; | ASRAR JAWED;CHRISTENSEN BERND;ECKERT BERNHARD;NANDI SOUVIK;SHOOSHTARI KIARASH ALAVI;ZHANG MINGFU; | C08K5/07; C03C17/28; C09D7/00; B32B17/02; B05D3/00; C09D101/00; C09D103/00; C09D105/00; | CURABLE FIBERGLASS BINDER |
| US2012156953 A1 20120621 | US20090539211;US20090539263;US20090543574;US20090543586;US20090543607;US20090543625;US201013386843;WO2010US44686; | ASRAR JAWED;CHRISTENSEN BERND;ECKERT BERNHARD;NANDI SOUVIK;SHOOSHTARI KIARASH ALAVI;ZHANG MINGFU; | C08K5/07; B32B17/02; C09D101/00; C09D103/00; C09D105/00; C09D7/00; B05D3/00; | CURABLE FIBERGLASS BINDER COMPRISING SALT OF INORGANIC ACID |
| MX2010014417 A 20120620 | MX20100014417; | ATSA COM S A DE C V; | B32B5/16; C09C1/36; | STRUCTURED MINERAL MULTI-PIGMENT. |
| WO2012087093 A1 20120628 | MX20100014417; | ATSA COM S A DE C V;GARCIA TERUEL Y HERROZ JORGE GERARDO; | C08K9/06; C08K3/34; C01B33/38; C09C1/42; | STRUCTURED MINERAL MULTI-PIGMENT |
| US2012126697 A1 20120524 | US20090173796P;US20090241108P;US20100769393;US20100957576;US201113332732; | ATTI INTERNAT SERVICES COMPANY INC; | H01J29/46; | CROSSOVER POINT REGULATION METHOD FOR ELECTRO-STATIC FOCUSING SYSTEMS |

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| EP2425443 A2 20120307 | US20090173796P;US 20090241108P;US201 00769393;WO2010US 32988; | ATTI INTERNAT SERVICES COMPANY INC; | H01J29/58; | MULTIPLE DEVICE SHAPING UNIFORM DISTRIBUTION OF CURRENT DENSITY IN ELECTRO-STATIC FOCUSING SYSTEMS |
| CN102414774 A 20120411 | US20090173796P;US 20090241108P;US201 00769393;WO2010US 32988; | ATTI INTERNAT SERVICES COMPANY; | H01J29/58; | Multiple device shaping uniform distribution of current density inelectro-static focusing systems |
| WO2012037115 A2 20120322 | US20100382422P;US 201161498282P; | ATWATER HARRY A;CALIFORNIA INST OF TECHN;CALLAHAN DENNIS;GRANDIDIER JONATHAN;MUNDAY JEREMY; | H01L31/042; H01L31/0216; | WHISPERING GALLERY SOLAR CELLS |
| WO2012004317 A1 20120112 | FR20100055526; | AUBERT PIERRE HENRY;CHEVROT CLAUDE;COMMISSARIAT ENERGIE ATOMIQUE;LAGOUTTE SEBASTIEN;PINAULT MATHIEU;SARRAZIN CHRISTIAN;TRAN VAN FRANCOIS;UNIV RABELAIS FRANCOIS;UNIVCERGY PONTOISE; | H01G9/155; C25D13/04; B82Y10/00; C25D13/18; C25D5/54; H01G9/058; C09D5/44; C25D13/12; | METHOD OF PREPARING A COMPOSITE, COMPOSITE THUS OBTAINED AND USESTHEREOF |
| WO2012032099 A1 20120315 | EP20100009447; | AUFFARTH STEFAN;BASF SE;BOUDOU MARINE;ELING BEREND;REESE OLIVER; | C09C1/30; | SILICON DIOXIDE DISPERSIONS |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012013466 A2 20120202 | FR20100056222; | AUGIER SYLVAIN;BACLET NATHALIE;COMMISSARIA T ENERGIE ATOMIQUE;PAPILLON PHILIPPE;TIQUET PASCAL; | B29C47/08; B29C47/20; F24J2/46; F24J2/48; B82Y30/00; F24J2/24; | SOLAR THERMAL COLLECTOR ABSORBER, COLLECTOR COMPRISING SAME AND METHOD FOR THE PRODUCTION THEREOF |
| KR20120039442 A 20120425 | TW20100135172; | AUROTEK CORP; | B82B3/00; H01L33/04; | METHOD FOR FORMING NANOSTRUCTURE |
| US2012091094 A1 20120419 | TW20100135172; | AUROTEK CORP; | C23F1/00; | METHOD FOR FORMING NANOSTRUCTURE |
| CN102456547 A 20120516 | CN20101526458; | AUROTEK CORP; | B82Y40/00; H01L33/00; H01L21/02; | Method for manufacturing nano-microstructure |
| TW201216509 A 20120416 | TW20100135172; | AUROTEK CORP; | B82B3/00; H01L33/20; | Method for producing nanometer microstructure |
| US2012026785 A1 20120202 | US20070674124;US20070678515;US20070739648;US20070740861;US20070776692;US201113253918; | AVALANCHE TECHNOLOGY INC; | H01L29/82; G11C11/00; | Non-Volatile Magnetic Memory Element with Graded Layer |
| US2012025338 A1 20120202 | US20070674124;US20070678515;US20070739648;US20070740861;US20070776692;US201113253916; | AVALANCHE TECHNOLOGY INC; | H01L29/82; | Non-Volatile Magnetic Memory Element with Graded Layer |
| US2012012033 A1 20120119 | US19960028949P;US19970035040P;US19970794833;US19990155398P;US20000668080;US20010300144P;US20020179743;US20080115067;US20100907823;US201113238900; | AVALTRONI MICHAEL J;GAWALT ELLEN;MIDWOOD KIM S;SCHWARTZ JEFFREY;SCHWARZBAUER JEAN E; | B05D1/18; C09D1/00; C23C14/06; | ENHANCED BONDING LAYERS ON TITANIUM MATERIALS |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| EP2468884 A2 20120627 | KR20090076300;WO2 010KR05452; | AVELLINO CO LTD;KOREA ADVANCED INST SCI & TECH; | C12Q1/68; | MULTI-SPOT METAL-DEPOSITED NUCLEIC ACID CHIP WITH NANOSTRUCTURE ARRAYS FOR DIAGNOSING CORNEAL DYSTROPHY, AND METHOD FOR PRODUCING SAME |
| WO2012004068 A1 20120112 | US20100831656; | AVOURISPHAEDON;CHE N KUAN-NENG;IBM;IBM UK;LIN YU-MING; | H01L23/498; B82Y40/00; B82Y10/00; H01L21/60; H01L21/58; | A METHOD TO FABRICATE HIGH PERFORMANCE CARBON NANOTUBE TRANSISTOR INTEGRATED CIRCUITS BY THREE-DIMENSIONAL INTEGRATION TECHNOLOGY |
| US2012069490 A1 20120322 | US20100383438P;US 201113192509; | AVX CORP; | H01G9/042; | Conductive Polymer Coating for Wet Electrolytic Capacitor |
| US2012147529 A1 20120614 | US20100967157; | AVX CORP; | H01G9/15; B05D5/12; | Solid Electrolytic Capacitor Containing a Poly(3,4- Ethylenedioxythiophene) Quaternary Onium Salt |
| US2012106031 A1 20120503 | US20100916802; | AVX CORP; | H01G9/025; | Solid Electrolytic Capacitor for Use in High Voltage and High Temperature Applications |
| US2012064445 A1 20120315 | JP20100204783;JP20 110171810; | AWAMURA JUNICHI;HOZUMI MAMORU;INOUE DAISUKE;ITO DAISUKE;KOJIMA SATOSHI;KUSAHARA TERUKI;OGAWASATOSHI; SATO KOSHI;SATO SYOUKO;SUGIMOTO TSUYOSHI;UCHINOKURA OSAMU; | G03G15/08; G03G9/13; G03G9/00; G03G21/16; G03G9/087; | IMAGE FORMING APPARATUS AND TONER FOR DEVELOPING LATENT ELECTROSTATIC IMAGES |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| AR080538 A1 20120418 | US20090161328P;US 20090259940P; | AYRES JENNIFER;BOURKE JR FREDERIC A;CHADA VENKATA GOPAL REDDY;FATHI ZAK;GREGAS MOLLY K;LAULY BENOIT;SCAFFIDI JONATHAN P;SIMMONS JOSEPH H;STANTON IAN NICHOLAS;STECHE JOSHUA T;THERIEN MICHAEL J;VO DINH TUAN;ZHANG YAN;ZHANG ZHENYUAN; | G01N21/63; | SISTEMAS DE CONVERSION HACIA ARRIBA Y HACIA ABAJO PARA PRODUCCION DELUZ EMITIDA A PARTIR DE DIVERSAS FUENTES DE ENERGIA |
| US2012082826 A1 20120405 | US20010335165P;US 20040494122;US2010 0803576;US20111332 6321;WO2002US3513 4; | BABCOCK BRIAN DAVID; | B01L3/00; B32B5/14; G01N33/48; B05D1/18; C12Q1/68; B05D3/00; C12M1/34; B32B9/00; B05D3/12; | Gradient Coatings with Biopolymer-resistant domains |
| SG177851 A1 20120228 | US20100363662P; | BACKOV RENAL;BRUNNICOLAS;JA NOT RAPHAEL;SANCHEZ CLEMENT; | B82Y30/00; B01J21/18; B01J23/626; B01J23/755; B01J23/83; B01J23/835; B01J23/892; B01J23/894; B01J35/0006; B01J35/023; B01J37/0211; B01J37/036; B01J37/038; B01J37/16; B01J37/18; B01J37/348; B82Y40/00; C10J1/00 | METHOD FOR FORMING A CATALYST COMPRISING CATALYTIC NANOPARTICLES AND ACATALYST SUPPORT |
| US2012082615 A1 20120405 | FR20080006051;FR20 090055224;WO2009F R52084; | BACKOV RENAL;BRUNNICOLAS;JA NOT RAPHAEL;SANCHEZ CLEMENT; | C01B3/02; B05D5/00; C04B38/00; | METHOD FOR STORING HYDROGEN IN A POROUS MONOLITHIC MATERIAL, COMPOSITE MATERIAL OBTAINED, AND APPLICATIONS |

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| AU2010321303 A1 20120607 | WO2009EP08217;WO 2009EP08218;WO201 0EP00323;WO2010EP 00622;WO2010EP007 57; | BADA AG;BAYER MATERIALSCIENCE AG;BYK CHEMIE GMBH;COPERION GMBH;FRAUNHOFER GES FORSCHUNG; | C08J3/205; H01B1/24; C08K7/24; C08K3/04; | Method for producing composite materials based on polymers and carbonnanotubes (CNTs), and composite materials produced in this manner and the use thereof |
| US2012114958 A1 20120510 | US20090180619P;US 201013320690;WO20 10US30195; | BADER MICHAEL J;CRETEKOS GEORGE F;SONG KWANGJIN; | C08L23/06; B29C47/06; C08L23/20; B32B15/085; C08L31/06; C08L29/04; C08L23/12; C08L23/16; | FILM WITH A METAL RECEIVING LAYER HAVING HIGH METAL ADHESION ANDMETHOD OF MAKING SAME |
| WO2012011774 A2 20120126 | KR20100070886;KR20 100070889;KR201100 72756;KR2011007276 2; | BAE CHANG-WAN;IAC IN NAT UNIV CHUNGNAM;KIM SANG- HO;MOON SUK- SIK;NANOTECH & BEYOND CO LTD;SEO DONG MIN; | B82Y40/00; B82B3/00; B82B1/00; | METHOD FOR MANUFACTURING SILVER NANOWIRES |
| US2012036962 A1 20120216 | KR20090032092;WO2 009KR04151; | BAE MIN A;CHO CHUL WOONG;CHOI SUN BEOM;KIM SOK;KRISHNMURTHY SNEHA;KWAK IN- SEOB;LEE SHI YN;MAO JUAN;PARK JIYEONG;PHAM THI PHUONG THUV;SONG MYUNG HEE;WON SUNG WOOK;YUN YEOUNG SANG; | C08G73/10; C08G73/04; C22B11/00; | SURFACE-MODIFIED BIOMASS, PREPARATION METHOD THEREOF, AND METHOD FORRECOVERING VALUABLE METALS USING THE SAME |
| EP2431412 A1 20120321 | EP20100275098; | BAE SYSTEMS PLC; | G12B17/02; H05K9/00; G01M5/00; C08K3/04; G01N29/24; | Structural health monitoring using sprayable paint formulations |

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| WO2012038720 A1 20120329 | EP20100275098;GB20 100015718; | BAE SYSTEMS PLC;DUNLEAVY MICHAEL;DYKE HAZEL ANNE;HAQSAJAD; | G01N29/24; C08K3/04; H05K9/00; G12B17/02; B82Y30/00; G01M5/00; | STRUCTURAL HEALTH MONITORING USING SPRAYABLE PAINT FORMULATIONS |
| WO2012067308 A1 20120524 | KR20100115460; | BAEG DAE-SUNG;CHOI BOU-KUN;LEE SUNG- HO;PARK JIN- KWAN;SUNJIN CHEMICAL CO LTD; | A61Q17/04; C01G23/047; C01G9/02; A61K8/29; | ZINC OXIDE/TITANIUM DIOXIDE COMPOSITE PARTICLES AND PREPARATION METHOD THEREOF |
| WO2012002717 A2 20120105 | KR20100062183; | BAEK YOUN- KYOUNG;JEON HWAN- JIN;JUNG HEE TAE;KIM KYOUNG-HWAN;KOREA ADVANCED INST SCI & TECH; | B82B3/00; B82B1/00; | THREE-DIMENSIONAL NANOSTRUCTURE, AND PREPARATION METHOD THEREOF |
| ITFI20100231 A1 20120525 | IT2010FI00231; | BAI XIA;GONEN WILLIAMS ZEHR SERPIL;GOU LINFENG;PATEL RAKESH;THOMAS SELINA I;WANG YIJUN;WIACEK ROBERT J;XU JUN;XU WEI; | B82Y30/00; C08J7/02; C08J7/08 | PROCESSO PER PREPARARE NANOFILM BIOCOMPATIBILI AUTO-SUPPORTANTI DIPOLIMERI CONDUTTORI MEDIANTE STRATO DI SUPPORTO |
| US2012088845 A1 20120412 | US20100327313P;US 20100407063P;US201 113064905; | BAI XIA;GONEN WILLIAMS ZEHR SERPIL;GOU LINFENG;PATEL RAKESH;THOMAS SELINA I;WANG YIJUN;WIACEK ROBERT J;XU JUN;XU WEI; | A61K8/81; H01B1/08; B05D3/12; C23C16/40; A61K47/32; A61K47/30; A61K8/89; B05D1/02; C01G27/02; B05D5/00; B05D1/18; B05D1/28; C07F19/00; C01G9/02; C01F17/00; C01G25/02; | Synthesis, capping and dispersion of nanocrystals |

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| WO2012058271 A2 20120503 | US20100407063P;US 201113064905; | BAI XIA;GONEN WILLIAMS ZEHRRA SERPIL;GOU LINFENG;PIXELLIGENT TECHNOLOGIES LLC;THOMAS SELINA I;WANG YIJUN;WIACEK ROBERT J;XU JUN;XU WEI; | B82B1/00; B82Y40/00; B82B3/00; | SYNTHESIS, CAPPING AND DISPERSION OF NANOCRYSTALS |
| WO2012066547 A1 20120524 | IL20100209459;IL2011 0216486; | BAIDOSI MUBEEN;BEN- MOSHE MATTI;JOMA INT AS;VITNER ASHER; | C01G23/053; | METHOD FOR PRODUCING SMALL SIZE TITANIUM OXIDE PARTICLES |
| WO2012047282 A2 20120412 | US20100404302P;US 201161465871P; | BAKAJIN OLGICA;KLARE JENNIFER E;NOY ALEKSANDR;PORIFERA INC;REVANUR RAVINDRA;ROH ILJUHN; | B01D71/34; B01D69/12; B01D61/02; B01D69/10; | THIN FILM COMPOSITE MEMBRANES FOR FORWARD OSMOSIS, AND THEIR PREPARATION METHODS |
| US2012080378 A1 20120405 | US20100404302P;US 201113200780;US201 161465871P; | BAKAJIN OLGICA;KLARE JENNIFER E;NOYALEKSANDR;REVA NUR RAVINDRA;ROH IJUHN; | B01D71/56; B01D65/08; B05D5/00; B01D71/34; B01D61/00; B05B17/04; F04B49/06; | Thin film composite membranes for forward osmosis, and theirpreparation methods |
| WO2012018264 A2 20120209 | NZ20100587249;NZ20 100589459;US201003 70071P; | BAKALAR JOAN;CRL ENERGY LTD;DOUGHERTY TROY;MCCURDY MURRAY;SPENCER JOHN;VICTORIA LINK LTD; | C01B21/068; B82Y30/00; B82Y40/00; | SYSTEMS, METHODS AND COMPOSITIONS FOR THE PRODUCTION OF SILICON NITRIDE NANOSTRUCTURES |
| US2012085585 A1 20120412 | US20100391344P;US 201113253758; | BAKER HUGHES INC; | B22F3/12; E21B10/36; E21B10/55; B22D19/14; C22B9/00; B22F7/00; B24D3/00; B24D3/34; | COMPOSITE MATERIALS INCLUDING NANOPARTICLES, EARTH-BORING TOOLS ANDCOMPONENTS INCLUDING SUCH COMPOSITE MATERIALS, POLYCRYSTALLINE MATERIALS INCLUDING NANOPARTICLES, AND RELATED METHODS |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| US2012034464 A1 20120209 | US20100324142P;US 201113077426;US201 113275872; | BAKER HUGHES INC; | C07C43/04; C08G59/14; C07C211/63; C07C309/04; B01J19/10; C07C33/26; C08F26/10; C07C309/31; C07D307/12; C07C57/13; C08F12/08; | DIAMOND PARTICLES HAVING ORGANIC COMPOUNDS ATTACHED THERETO, COMPOSITIONS THEREOF, AND RELATED METHODS |
| US2012065309 A1 20120315 | US20100878507; | BAKER HUGHES INC; | C08K5/41; C08K5/16; | METHOD OF FORMING POLYMER NANOCOMPOSITE |
| US2012015852 A1 20120119 | US20100359111P;US 201113166448; | BAKER HUGHES INC; | C09K8/04; | Nanofluids and Methods of Use for Drilling and Completion Fluids |
| US2012032543 A1 20120209 | US20090147378P;US 20100693569;US2011 13021137; | BAKER HUGHES INC; | H02K7/08; C10M169/04; | OIL COMPOSITION COMPRISING FUNCTIONALIZED NANOPARTICLES |
| EP2462311 A2 20120613 | US20090232265P;WO 2010US44767; | BAKER HUGHES INC; | E21B10/42; E21B10/56; E21B10/54; | POLYCRYSTALLINE COMPACTS INCLUDING IN-SITU NUCLEATED GRAINSEARTH-BORING TOOLS INCLUDING SUCH COMPACTS, AND METHODS OF FORMING SUCH COMPACTS AND TOOLS |
| US2012065311 A1 20120315 | US20100878538; | BAKER HUGHES INC; | C08K5/00; C08K3/34; | POLYMER NANOCOMPOSITE |
| MX2012006572 A 20120628 | US20090288761P;US 20100971557;WO201 0US61469; | BAKER HUGHES INC; | C02F1/58; C02F1/28; B01D15/00; | RE-USE OF SURFACTANT-CONTAINING FLUIDS. |
| US2012138538 A1 20120607 | US20070931501;US20 070931706;US200801 11361;US2008027782 5;US20090546763;US 201213364847; | BAKER HUGHES INC; | B01D15/00; | Rechargeable Surface Active Porous Media For Removal of Organic Materials From Aqueous Fluids |
| US2012017674 A1 20120126 | US20100366606P;US 201113186604; | BAKER HUGHES INC; | H01L41/00; H02N11/00; G01R27/26; G01R27/00; E21B47/00; | SMART SEALS AND OTHER ELASTOMER SYSTEMS FOR HEALTH AND PRESSURE MONITORING |
| US2012048548 A1 20120301 | US20070755549;US20 1113226328; | BAKER HUGHES INC; | C09K8/62; E21B43/267; E21B43/25; E21B43/04; E21B43/26; | Use of Nano-Sized Phyllosilicate Minerals in Viscoelastic Surfactant Fluids |

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| WO2012018451 A2 20120209 | US20100851701; | BAKER HUGHES INC;GUO LILLIAN;ZHU JIANG; | B82B1/00; B82Y40/00; B82B3/00; | METHOD TO DISPERSE NANOPARTICLES INTO ELASTOMER AND ARTICLES PRODUCED THEREFROM |
| WO2012012637 A2 20120126 | US20100366606P; | BAKER HUGHES INC;KUMAR SUNIL; | G01V3/34; E21B47/00; G01V3/18; | SMART SEALS AND OTHER ELASTOMER SYSTEMS FOR HEALTH AND PRESSURE MONITORING |
| WO2012036978 A1 20120322 | US20100880653; | BAKER IAN;DARTMOUTH COLLEGE;ZENG QI; | A61B5/055; | IRON/IRON OXIDE NANOPARTICLE AND USE THEREOF |
| WO2012080290 A1 20120621 | US20100968577;US20100968645; | BALES BRIAN C;GE HEALTHCARE AS;GEN ELECTRIC;HAYBRUCE ALLAN;KANDAPALLIL BINIL ITTY IPE;LUTTREL MICHAEL TODD; | B82Y5/00; A61K49/18; B82Y15/00; | NANOPARTICLE COMPOSITION AND ASSOCIATED METHODS THEREOF |
| US2012037591 A1 20120216 | US20100856527; | BALHORN RODNEY L;TRINGE JOSEPH W;ZAIDI SALEEM; | C23F1/00; | METHOD OF FABRICATING A SCALABLE NANOPOROUS MEMBRANE FILTER |
| WO2012052699 A1 20120426 | WO2010GB51755; | BALLOCCHI PAOLO;SHORT BROTHERS PLC;WILSON ROBERT SAMUEL; | B29C70/44; B29C70/02; C08J5/00; B82Y30/00; | METHOD OF FORMING A COMPOSITE MATERIAL WITH ADDED NANOPARTICLES AND CARRIER MATERIAL CONTAINING NANOPARTICLES |
| EP2456717 A1 20120530 | EP20090075333;EP20100739304;WO2010EP04762; | BAM; | C01B31/02; | A METHOD FOR REMOVING IMPURITIES FROM NANOSTRUCTURED CARBON MATERIAL AND PURIFIED NANOSTRUCTURED CARBON MATERIAL |

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| WO2012017115 A1 20120209 | ES20100031234; | BANARES GONZALEZ MIGUEL ANGEL;CALVINO CASILDA VANESA;CONSEJO SUPERIOR INVESTIGACION;FERNAN DEZ LOZANO JOSE FRANCISCO;RUBIO MARCOS FERNANDO; | B01J23/75; B01F3/18; B82Y30/00; B01J21/06; C04B35/00; | CATALYSTS ORGANIZED HIERARCHICALLY BY MEANS OF DRY NANODISPERSION |
| US2012153251 A1 20120621 | US201161433850P;U S201213353091; | BANDGAP ENGINEERING INC; | H01L21/20; H01L29/06; | SELECTIVE EMITTER NANOWIRE ARRAY AND METHODS OF MAKING SAME |
| US2012145431 A1 20120614 | KR20090035629;KR20 090035631;WO2010K R02480; | BANG YUN YOUNG;JEONG DA JEONG; | H01B7/17; H01B13/06; H01B13/00; | CARBON NANOTUBE CONDUCTIVE FILM AND METHOD FOR MANUFACTURING SAME |
| WO2012001600 A2 20120105 | US20100824288; | BANGSARUNTIP SARUNYA;BJOERK MIKAEL T;COHEN GUY M;IBM;RIEL HEIKE E;SCHMID HEINZ; | H01L29/78; H01L29/775; H01L29/06; H01L29/12; B82Y40/00; B82Y10/00; H01L33/02; | METHOD OF FORMING COMPOUND SEMICONDUCTOR NANOWIRE |
| US2012121831 A1 20120517 | JP20090166040;JP20 100095108;WO2010J P62132; | BANNAI AKIKO;KATOH KEITA;KOJIMA MARIKO;KUDOH MASAKI; | C09D11/10; B32B1/02; | INKJET RECORDING INK, INK CARTRIDGE AND INKJET RECORDING APPARATUS |
| US2012039344 A1 20120216 | US20090168661P;US 201013263738;WO20 10SG00148; | BAO OIAOLIANG;KIAN LOH PING;TANG DING YUAN;ZHANG HAN; | B32B37/14; C30B25/02; B05D5/06; B32B37/12; B29C35/08; H01S3/08; C30B23/02; H01S3/30; B32B37/02; | GRAPHENE-BASED SATURABLE ABSORBER DEVICES AND METHODS |
| CN102502758 A 20120620 | CN20111346408; | BAOTOU JINGRUI NEW MATERIAL CO LTD; | B82Y40/00; C01F17/00; | Method for preparing large-particle cerium oxide |
| CN102502760 A 20120620 | CN20111348012; | BAOTOU JINGRUI NEW MATERIAL CO LTD;UNIV INNER MONGOLIA SCI & TECH; | B82Y40/00; C01F17/00; | Method for preparing large-particle and flaky praseodymium neodymiumoxide |

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| US2012108121 A1 20120503 | US20090221997P;US 201013378551;WO20 10US40177; | BARAN JR JIMMIE R;FANSLER DUANE D;SYKORA HAEEN;WILSON BRUCE B; | D03D15/00; C09K11/06; B32B9/04; B32B5/02; B32B5/16; B42D15/00; D04H13/00; | TRANSPARENT FLUORESCENT STRUCTURES WITH IMPROVED FLUORESCENCE USING NANOPARTICLES, METHODS OF MAKING, AND USES |
| WO2012042467 A2 20120405 | IT2010MI01752; | BARBUCCI ROLANDO;GIARDINO ROBERTO;ISTITUTO ORTOPEDICO RIZZOLI; | C08K3/00; C08G63/00; C08J3/075; C08F20/00; A61K9/00; C08B37/00; C08F26/00; C08B15/00; C08J3/24; A61K9/06; | A MAGNETIC HYBRID HYDROGEL |
| WO2012080458 A1 20120621 | DE201010063342; | BARCIKOWSKI STEPHAN;HANNOVER LASER ZENTRUM;SCHWENKE ANDREAS;WAGENERPHIL LIPP; | C08K3/00; C08J3/00; B23K26/00; C08K13/00; C08J3/20; | METHOD FOR PRODUCING MICRO-NANO COMBINED ACTIVE SYSTEMS |
| WO2012087179 A1 20120628 | RU20100152766; | BARGAN VASILY ALEKSANDROVICH;OBSC HESTWO S OGRANICHENNOI OTVETSTVENNOSTJU BARGAN TECHNOLOGY; | B82B1/00; B82Y40/00; H01G4/33; | METHOD FOR MANUFACTURING A LAYERED STRUCTURE FOR DOUBLE- PLATE CAPACITORS |
| WO2012008866 A1 20120119 | RU20100129130; | BARGAN VASILY ALEKSANDROVICH;OBSC HESTWO S OGRANICHENNOI OTVETSTVENNOSTJU BARGAN TECHNOLOGY; | B82Y30/00; H01G4/06; | MULTILAYERED NANOCOMPOSITE FOR CAPACITORS AND METHOD FOR MANUFACTURING SAME |
| US2012082783 A1 20120405 | US20100388364P;US 201113188938; | BARNETT BARRY;CHEUNG KIN- LEUNG;ELEFTHERIOU ANDREAS;MACCHIA ENZO;MCDONOUGH THOMAS; | B05D5/00; B05D1/36; B05D7/14; | METHOD OF APPLYING A NANOCRYSTALLINE COATING TO A GAS TURBINE ENGINE COMPONENT |

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| PL2150495T T3 20120229 | DE200710025435; | BARNETT BARRY; ELEFTH ERIOU ANDREAS; GUGLIELMIN GEORGE; LANZINO JOE; MACCHIA ENZO; MCDONOUGH THOMAS; | C08K3/36; C09J201/00; C01B33/18; C09C1/30; | ADHESIVE AND SEALANT SYSTEMS |
| US2012082559 A1 20120405 | US20100388397P; US 201113189118; | BARNETT BARRY; ELEFTH ERIOU ANDREAS; GUGLIELMIN GEORGE; LANZINO JOE; MACCHIA ENZO; MCDONOUGH THOMAS; | F01D5/14; B23P15/02; | AIRFOIL BLADE |
| CN102471068 A 20120523 | KR20090073152; WO2 009KR04465; | BARO TECH CO LTD N; | C01B31/04; C01B31/02; B82B3/00; | A method of producing nano-size graphene-based material and an equipment for producing the same |
| US2012094030 A1 20120419 | EP20040029141; US20 090720943; US201113 335266; WO2005EP12 604; | BARSAN NICOLAE; GURLO ALEKSANDER; MAEDLER LUTZ; PRATSINIS SOTIRIS; ROESSLER ALBERT; WEIMAR UDO; | C23C4/12; C23C4/04; | Direct formation of highly porous gas-sensing layers by in-situ deposition of flame-made nanoparticles |
| WO2012025737 A1 20120301 | GB20100014185; | BARTLEY JONATHAN KEITH; DUMMER NICHOLAS FRANCOIS; HUTCHINGS GRAHAM JOHN; LIN ZHONJIE; TAYLOR STUART HAMILTON; UNIV CARDIFF; | B01J23/881; B01J35/06; B82Y30/00; B01J37/02; | CATALYST, METHOD OF MANUFACTURE AND USE THEREOF |

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| US2012097068 A1 20120426 | EP20090163622;WO2 010EP58798; | BASE SE; | C07F3/06; C08K5/541; C09D191/06; | MODIFIED ZNO NANOPARTICLES |
| WO2012000783 A1 20120105 | EP20100167708;US20 100398799P; | BASELL POLIOLEFINE ITALIA SRL;CONSALVI MARCO;COSTANTINIENRI CO;MASARATI ENRICO; | B82Y30/00; C08J3/22; C08J5/00; C08L23/10; | FILLED POLYOLEFIN COMPOSITIONS |
| PT1326927E E 20120105 | US20000672249; | BASF CATALYSTS LLC; | C09C1/22; C09C1/24; C09C1/34; | BLUE SHADE, BLACK FE-CR-OXIDE PIGMENTS |
| ES2373871T T3 20120209 | US20000672249;WO2 001US29913; | BASF CATALYSTS LLC;ENGELHARD CORP; | C09C1/24; C09C1/22; C09C1/34; | PIGMENTOS NEGROS DE OXIDO DE Fe-Cr CON TONALIDAD AZUL. |
| WO2012001636 A1 20120105 | EP20100167713; | BASF CHINA CO LTD;BASF SE;BRAMNIKKIRILL;MICH AILOVSKI ALEXEJ;ZECH MATTHIAS; | C01G31/02; | PROCESS FOR PREPARING DOPED OR UNDOPED ALPHA-VANADIUM OXIDE |
| WO2012070012 A1 20120531 | EP20100192610; | BASF CHINA CO LTD;BASF SE;SCHROEDLE SIMON;SCHULZ-DOBRICK MARTIN; | C01B31/24; | PROCESS FOR PREPARING PRECURSORS FOR TRANSITION METAL MIXED OXIDES |

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| AT546475T T 20120315 | DE20021047359;WO2 003EP10922; | BASF COATINGS GMBH; | C08G18/28; C08G18/67; B82Y30/00; C08G18/38; C08G18/80; | NANOPARTIKEL, VERFAHREN ZUR MODIFIZIERUNG IHRER OBERFLÄCHE, DISPERSION DER NANOPARTIKEL, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG |
| AT557062T T 20120515 | DE20011015592;WO2 002EP02546; | BASF COATINGS GMBH; | C09D7/12; C08L53/00; C09K3/10; C09D5/02; C09J11/00; C09J153/00; C08F293/00; C09D5/46; C09D153/00; C08K3/00; | VON FLÜCHTIGEN ORGANISCHEN VERBINDUNGEN FREIE ODER IM WESENTLICHEN FREIE, WÄSSERIGE DISPERSIONEN, VERFAHREN ZU IHRER HERSTELLUNG UND IHRE VERWENDUNG |
| US2012023915 A1 20120202 | US20060564494;US20 1113272007; | BASF CORP; | B01J27/232; F01N3/10; | NOx Storage Materials and Traps Resistant to Thermal Aging |
| EP2401426 A1 20120104 | EP20090153958;EP20 100706795;WO2010N L50100; | BASF CORP; | C01B31/02; B01J21/18; D01F9/16; B01J37/08; D01F9/127; | PROCESS FOR PRODUCING CARBON NANOFIBRES AND/OR CARBON NANOTUBES |
| ES2379211T T3 20120423 | EP20070150289;WO2 008EP67366; | BASF ITALIA S R L;BASF SE; | C08K3/22; C08K5/00; | Absorbedores de UV nanoestructurados |
| AU2010285107 A1 20120315 | EP20090168389;WO2 010EP61532; | BASF SE; | G03F7/00; | Apparatus and method for a sub microscopic and optically variable image carrying device |
| EP2467755 A1 20120627 | EP20090168389;EP20 100741946;WO2010E P61532; | BASF SE; | G03F7/00; | APPARATUS AND METHOD FOR A SUB MICROSCOPIC AND OPTICALLY VARIABLE IMAGE CARRYING DEVICE |
| US2012090781 A1 20120419 | US20090222700P;US 201013379824;WO20 10EP59327; | BASF SE; | C08K3/34; C08K3/32; C08J9/30; B32B37/12; C08J3/03; C09J109/00; C08K3/30; C08L95/00; C08L9/06; C08L9/00; | CO-AGGLOMERATED LATEX POLYMER DISPERSIONS AND METHODS OF PREPARING AND USING SAME |

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| US2012129090 A1 20120524 | EP20090151848;US20 080197102P;US20091 3122563;WO2009EP6 3377; | BASF SE; | C09D1/00; C08K3/10; C09D11/00; D21H17/63; F21V9/04; G03G9/00; | HEAT ABSORBING ADDITIVES |
| AU2010318096 A1 20120614 | EP20090176109;WO2 010EP66788; | BASF SE; | C08K3/36; C08J7/00; C09C1/30; B82Y30/00; C23C18/16; B22F9/24; | Metal island coatings and method for synthesis |
| MX2012005503 A 20120614 | EP20090176122;EP20 090176751;US200902 61387P;WO2010EP67 425; | BASF SE; | A61K8/11; | METAL OXIDE NANOCOMPOSITES FOR UV PROTECTION. |
| EP2457873 A1 20120530 | EP20100192610;EP20 110190507; | BASF SE; | C01G45/00; C01G53/00; | Method for manufacturing precursors for transition metal mixed oxides |
| EP2452978 A1 20120516 | EP20100191365; | BASF SE; | C08K3/02; B82Y30/00; C08J3/22; C08L63/00; | Method for producing epoxy resin moulded substances filled with carbonfillers |
| CN102438738 A 20120502 | EP20090160488;WO2 010EP56343; | BASF SE; | B01F3/12; B01F5/06; B01J2/06; B01J19/00; B01J13/00; B01F3/08; | Method for producing nanoparticles using miniemulsions |
| EP2432580 A2 20120328 | EP20090160488;EP20 100721743;WO2010E P56343; | BASF SE; | B01F3/08; B01J2/06; B01J19/00; B01F3/12; B01F5/06; B01J13/00; | METHOD FOR PRODUCING NANOPARTICLES USING MINIEMULSIONS |
| CN102387991 A 20120321 | EP20090155131;WO2 010EP53106; | BASF SE; | C09C1/30; C01B33/14; C08K3/22; C08J3/03; | Method for producing silica-containing dispersions containingpolyetherols or polyetheramines |
| EP2406182 A1 20120118 | EP20090155131;EP20 100709819;WO2010E P53106; | BASF SE; | C08K3/22; C08J3/03; C09C1/30; C01B33/14; | METHOD FOR PRODUCING SILICA- CONTAINING DISPERSIONS CONTAININGPOLYETHEROLS OR POLYETHERAMINES |
| CN102388106 A 20120321 | EP20090157335;WO2 010EP54404; | BASF SE; | C07F7/00; C08J3/20; B01J20/28; C08L83/02; | Method for the production of composite materials |

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| EP2414457 A1 20120208 | EP20090157335;EP20 100712436;WO2010E P54404; | BASF SE; | C07F7/00; C08J3/20; B01J20/28; C08L83/02; | METHOD FOR THE PRODUCTION OF COMPOSITE MATERIALS |
| ES2378641T T3 20120416 | EP20080163852;WO2 009EP61344; | BASF SE; | C08J5/18; C08J5/00; | Método para la preparaci³n de cuerpos moldeados planos o de láminas |
| CN102428145 A 20120425 | US20090210370P;WO 2010EP52945; | BASF SE; | C09C1/30; | Modified silica particles and dirt repellent polymer compositionscomprising them |
| EP2408864 A1 20120125 | US20090210370P;WO 2010EP52945; | BASF SE; | C09C1/30; | MODIFIED SILICA PARTICLES AND DIRT REPELLENT POLYMER COMPOSITIONSCOMPRISING THEM |
| CN102459471 A 20120516 | EP20090163622;WO2 010EP58798; | BASF SE; | C09C1/04; | Modified zno nanoparticles |
| EP2445974 A1 20120502 | EP20090163622;EP20 100725770;WO2010E P58798; | BASF SE; | C09C1/04; | MODIFIED ZNO NANOPARTICLES |
| MX2011013219 A 20120120 | EP20090163622;WO2 010EP58798; | BASF SE; | C09C1/04; | MODIFIED ZNO NANOPARTICLES. |
| EP2456816 A1 20120530 | EP20090166033;EP20 100735243;WO2010E P60229; | BASF SE; | C08K3/22; C08K3/36; C08K9/06; C08L81/06; C08L77/00; | NANOCOMPOSITE BLEND BASED ON POLYAMIDES AND POLYARYLENE ETHER SULFONES |
| US2012046399 A1 20120223 | US20100375057P;US 201113212566; | BASF SE; | C08K5/5445; | NANOCOMPOSITE BLENDS WITH POLYESTERS |
| NZ590176 A 20120629 | EP20080159913;WO2 009EP58303; | BASF SE; | A01N59/20; C01G3/00; | NANOPARTICULATE SURFACE-MODIFIED COPPER COMPOUNDS |
| AT544810T T 20120215 | EP20070150289;WO2 008EP67366; | BASF SE; | C08K3/22; C08K5/00; | NANOSTRUKTURIERTE UV-ABSORBER |
| US2012108710 A1 20120503 | EP20090164087;WO2 010EP58993; | BASF SE; | C08L77/02; C08L77/06; C08K5/544; | POLYAMIDE FIBERS WITH DYEABLE PARTICLES AND PRODUCTION THEREOF |
| CN102317355 A 20120111 | EP20090152703;WO2 010EP51457; | BASF SE; | C08J3/205; A01G9/14; C08J3/22; C08J5/18; C08J5/00; | Polymer compositions containing nanoparticulate ir absorbers |

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| US2012142240 A1 20120607 | US20100420346P;US 201113311777; | BASF SE; | B32B5/02; E04B1/84; E04B1/78; | POLYURETHANE COMPOSITE MATERIAL |
| CN102365127 A 20120229 | EP20090156050;WO2 010EP53473; | BASF SE; | B01J13/00; B22F9/24; | Preparation of shaped metal particles and their uses |
| KR20120001769 A 20120104 | EP20090156050; | BASF SE; | B22F9/24; C09D11/00; B01J13/00; H01B1/22; | PREPARATION OF SHAPED METAL PARTICLES AND THEIR USES |
| EP2411140 A1 20120201 | EP20090156050;EP20 100710013;WO2010E P53473; | BASF SE; | B22F9/24; B01J13/00; | PREPARATION OF SHAPED METAL PARTICLES AND THEIR USES |
| US2012065052 A1 20120315 | US20100382499P;US 201113232758; | BASF SE; | B01J37/34; B01J21/18; B01J32/00; | PROCESS FOR PRODUCING A CARBON- COMPRISING SUPPORT |
| CN102459285 A 20120516 | EP20090159814;WO2 010EP56265; | BASF SE; | C07F7/00; C07F7/04; | Process for producing a particulate nanocomposite material |
| US2012052300 A1 20120301 | EP20090159814;WO2 010EP56265; | BASF SE; | C01B33/113; C08G77/00; C08L83/00; | PROCESS FOR PRODUCING A PARTICULATE NANOCOMPOSITE MATERIAL |
| KR20120044934 A 20120508 | EP20090159814; | BASF SE; | C07F7/04; B82B3/00; C07F5/02; B01J2/00; | PROCESS FOR PRODUCING A PARTICULATE NANOCOMPOSITE MATERIAL |
| EP2427466 A1 20120314 | EP20090159814;EP20 100717172;WO2010E P56265; | BASF SE; | C07F7/04; C07F7/00; | PROCESS FOR PRODUCING A PARTICULATE NANOCOMPOSITE MATERIAL |
| CN102333911 A 20120125 | EP20090153958;WO2 010NL50100; | BASF SE; | B01J21/18; B01J37/08; D01F9/16; D01F9/127; C01B31/02; | Process for producing carbon nanofibres and/or carbon nanotubes |
| AU2010314191 A1 20120531 | EP20090175023;WO2 010EP66173; | BASF SE; | C04B35/622; D01D5/00; C04B35/634; D01F9/08; D01D1/02; | Process for producing nanofibres |
| US2012063992 A1 20120315 | EP20090160488;WO2 010EP56343; | BASF SE; | C01F11/46; C01G9/02; | PROCESS FOR THE PRODUCTION OF NANOPARTICLES USING MINIEMULSIONS |

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| AU2010297237 A1 20120503 | EP20090170811;WO2 010EP63733; | BASF SE; | B22F1/02; A61K41/00; C22C1/04; H01F1/01; | Substrates comprising switchable ferromagnetic nanoparticles |
| KR20120070590 A 20120629 | EP20090170811; | BASF SE; | C22C1/04; A61K41/00; B22F1/02; H01F1/01; | SUBSTRATES COMPRISING SWITCHABLE FERROMAGNETIC NANOPARTICLES |
| US2012012797 A1 20120119 | US20090160731P;US 201013257137;WO20 10EP53326; | BASF SE; | H01B1/04; H01B1/02; | SYNTHESIS OF LITHIUM-IRON-PHOSPHATES UNDER HYDROTHERMAL CONDITIONS |
| US2012153233 A1 20120621 | US201061425290P;U S201113332424; | BASF SE; | H01B1/24; | THERMOPLASTIC MOLDING COMPOSITION |
| US2012029121 A1 20120202 | EP20080172290;WO2 009EP66659; | BASF SE; | B05D5/10; B05D3/00; C09D11/00; B32B37/06; B05D1/36; B32B38/10; C01F7/00; B41F33/00; | THIN ALUMINIUM FLAKES |
| US2012129965 A1 20120524 | EP20090166115;WO2 010EP60512; | BASF SE; | C09D133/12; | USE OF FILM-FORMING POLYMERS AND ORGANIC HOLLOW PARTICLES FOR COATINGAGENTS |
| AT545676T T 20120315 | EP20080163852;WO2 009EP61344; | BASF SE; | C08J5/00; C08J5/18; | VERFAHREN ZUR HERSTELLUNG FL-CHIGER FORMKIRPER ODER FOLIEN |
| DE102010026490 A1 20120112 | DE201010026490; | BASF SE;FRAUNHOFER GES FORSCHUNG;LEIBNIZ INST NEUEMATERIALIEN; | B05D5/02; | Verfahren zur Herstellung von feinstrukturierten Oberflächen |
| TW201206712 A 20120216 | US20100334588P; | BASF SE;MAX PLANCK GESELLSCHAFT; | H01G9/004; H01M4/36; C01B31/04; B32B9/00; | Process for encapsulating metals and metal oxides with graphene andthe use of these materials |
| TW201210937 A 20120316 | US20100326673P; | BASF SE;MAX PLANCK GESELLSCHAFT; | B82Y30/00; B82Y40/00; C01B31/04; B01J21/18; B05D5/12; H01B1/04; | Producing two-dimensional sandwich nanomaterials based on graphene |

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| WO2012017124 A1 20120209 | ES20100001071; | BASTIDA CUAIRAN JOAQUIN;IBANEZ PUCHADESRAFAEL;PARD O IBANEZ PABLO RAFAEL;UNIV VALENCIA;URQUIOLA CASAS MARIA DEL MAR; | B82Y30/00; C01F7/32; | METHOD FOR OBTAINING NANOCRYSTALLINE CORUNDUM FROM NATURAL ORSYNTHETIC ALUMS |
| WO2012034696 A1 20120322 | DE201010045306;DE2 01110010756; | BATENTSCHUK MIROSLAW;DEMBSKI SOFIA;FRAUNHOFER GES FORSCHUNG;GELLERMA NN CARSTEN;OSVET ANDRES;UNIV FRIEDRICH ALEXANDER ER;WINNACKER ALBRECHT; | C09K11/02; C09C1/30; C01B33/16; C09K11/57; | PHOTO-STIMULATABLE PARTICLE SYSTEMS, METHOD FOR PRODUCING SAME, ANDUSES THEREOF |
| ITMI20101752 A1 20120328 | IT2010MI01752; | BATES MARK C;D AQUANNI PETER JOHN;PHILLIPS JASON;STALKER KENT; | C08B15/005; A61K9/0009; A61K9/06; B82Y30/00; C08B37/003; C08B37/0072; C08B37/0084; C08J3/075; C08J3/246; C08F20/00; C08F26/00; C08G63/00; C08K3/0091; C08J2301/08; C01P2004/64 | IDROGEL IBRIDO MAGNETICO |
| US2012016297 A1 20120119 | US20080098624P;US 201113051351;WO20 09US05224; | BATES MARK C;D AQUANNI PETER JOHN;PHILLIPS JASON;STALKER KENT; | A61F2/958; B29C65/00; B29C47/08; | Interventional Devices Including Dilute Nanotube- Polymer Compositions,and Methods of Making and Using Same |

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| WO2012047377 A1 20120412 | US20100391000P; | BATTAGLIA VINCENT S;LIU GAO;SONG XIANGYUN;UNIV CALIFORNIA;ZHENG ZIYAN; | H01M4/36; | NANOSTRUCTURE SURFACE MODIFIED CU THIN FILM FOR LITHIUM ION NEGATIVEELECTRODE APPLICATION |
| WO2012048066 A2 20120412 | US20100901309; | BATTELLE ENERGY ALLIANCE LLC; | C04B35/565; | METHODS OF PRODUCING SILICON CARBIDE FIBERS, SILICON CARBIDE FIBERS, AND ARTICLES INCLUDING SAME |
| US2012088088 A1 20120412 | US20100901309; | BATTELLE ENERGY ALLIANCE LLC; | B05D7/24; B32B5/02; C01B31/36; D01F9/14; D01F9/08; | METHODS OF PRODUCING SILICON CARBIDE FIBERS, SILICON CARBIDE FIBERS,AND ARTICLES INCLUDING SAME |
| US2012107213 A1 20120503 | US20090368711;US20 1113339214; | BATTELLE MEMORIAL INSTITUTE; | C01B33/00; C01B33/113; C01B31/36; C01B21/068; | Energy Storage Devices Having Electrodes Comprising Nanowires |
| US2012088154 A1 20120412 | US20100390945P;US 201113023241; | BATTELLE MEMORIAL INSTITUTE; | H01M4/88; H01M4/60; H01M4/583; | Graphene-Sulfur Nanocomposites for Rechargeable Lithium-Sulfur BatteryElectrodes |
| US2012138589 A1 20120607 | US20090178453P;US 201013320536;WO20 10US35035; | BATTELLE MEMORIAL INSTITUTE; | B64D15/12; B05D5/12; H05B3/10; | Solventless Methods Of Coating A Carbon Nanotube Network And CarbonNanotube Networks Coated With A Polymer |
| WO2012047329 A2 20120412 | US20100390945P;US 201113023241; | BATTELLE MEMORIAL INSTITUTE;CAO YULIANG;LEMMON JOHN P;LI XIAOLIN;LIU JUN;YANG ZHENGUO; | H01M4/583; H01M4/60; H01M10/05; H01M4/04; H01M4/58; | GRAPHENE-SULFUR NANOCOMPOSITES FOR RECHARGEABLE LITHIUM-SULFUR BATTERY ELECTRODES |

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| US2012082850 A1 20120405 | DE200910024754;DE2 01010007779;WO201 0EP58172; | BAUER MONIKA;GLAESEL HANS-JUERGEN; | C08G77/62; C08G77/04; C08L83/04; C08L83/16; C08G77/20; B32B5/16; C08L83/07; C08G77/06; | ORGANICALLY FUNCTIONALIZED POLYSILOXANE NANOPARTICLES, METHOD FOR THE PRODUCTION THEREOF, AND USE THEREOF |
| WO2012000529 A1 20120105 | WO2010EP03983; | BAUMGARTNER JENS;FAIVRE DAMIEN;MAX PLANCK GESELLSCHAFT; | C01G49/08; C01G49/06; | PROCESS FOR PREPARING MAGNETITE OR MAGHEMITE NANOPARTICLES WITH CONTROLLED SIZE USING MILD CONDITIONS |
| US2012061644 A1 20120315 | US20040550314P;US 20050071244;US2007 0819413;US20111329 7968; | BAWENDI MOUNGI G;BULOVIC VLADIMIR;COE-SULLIVAN SETH;STECKEL JONTHAN S;STOTT NATHAN E;ZIMMER JOHN P; | H01L35/24; H01L33/06; H01L29/08; | Blue Light Emitting Semiconductor Nanocrystal Materials |
| CN102395438 A 20120328 | CH20090000630;WO2 010EP00612;WO2010 EP02390; | BAYER INTERNAT SA; | C23C4/00; B29C47/00; B29B7/00; B22F3/00; B22F1/00; C01B31/02; B29C45/00; C23C24/00; | Method and system of feeding a carbon nano tubes (cnts) to a fluid forming a composite material |
| KR20120030338 A 20120328 | CH20090000630;WO2 010EP00612; | BAYER INTERNAT SA; | B22F3/00; C01B31/02; B29B7/00; B22F1/00; | METHOD AND SYSTEM OF FEEDING A CARBON NANO TUBES (CNTS) TO A FLUID FORMING A COMPOSITE MATERIAL |

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| CN102471067 A 20120523 | DE200910038464;WO 2010EP04845; | BAYER MATERIALSCIENCE AG; | C01B31/02; | Carbon nanotube agglomerate |
| US2012149824 A1 20120614 | DE200910038464;WO 2010EP04845; | BAYER MATERIALSCIENCE AG; | C08L69/00; C08K7/24; D01F9/127; C09K3/00; | CARBON NANOTUBE AGGLOMERATE |
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| CN102459396 A 20120516 | EP20090005186;WO2 010EP02002; | BAYER MATERIALSCIENCE AG; | C08G63/18; C08G59/50; | Carbon nanotubes comprising hydroxy groups, method for the production thereof and polyurethane polymers comprising said carbon nanotubes |
| US2012029162 A1 20120202 | EP20090005186;WO2 010EP02002; | BAYER MATERIALSCIENCE AG; | C08G18/66; C08G18/08; C07C69/76; | CARBON NANOTUBES COMPRISING HYDROXY GROUPS, METHOD FOR THE PRODUCTION THEREOF AND POLYURETHANE POLYMERS COMPRISING SAID CARBON NANOTUBES |
| KR20120005503 A 20120116 | EP20090005186; | BAYER MATERIALSCIENCE AG; | C08G18/28; C08G59/50; C08K3/04; C01B31/02; | CARBON NANOTUBES COMPRISING HYDROXY GROUPS, METHOD FOR THE PRODUCTION THEREOF AND POLYURETHANE POLYMERS COMPRISING SAID CARBON NANOTUBES |
| EP2417176 A1 20120215 | EP20090005186;EP20 100711355;WO2010E P02002; | BAYER MATERIALSCIENCE AG; | C08G63/18; C08G59/50; | CARBON NANOTUBES COMPRISING HYDROXY GROUPS, METHOD FOR THE PRODUCTION THEREOF AND POLYURETHANE POLYMERS COMPRISING SAID CARBON NANOTUBES |
| DE102010008173 A1 20120301 | DE201010008173; | BAYER MATERIALSCIENCE AG; | B01J35/02; B01J23/00; B01J37/16; | Herstellung von Kohlenstoffnanoröhren |

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| US2012148835 A1 20120614 | US20100962924; | BAYER MATERIALSCIENCE AG; | B32B27/06; B05D5/12; | HYBRID CONDUCTIVE COMPOSITE |
| US2012123020 A1 20120517 | EP20090003652;WO2010EP01226; | BAYER MATERIALSCIENCE AG; | C08K9/02; C08L63/00; C08J3/22; | MECHANICAL PROPERTIES OF EPOXY FILLED WITH FUNCTIONALIZED CARBONNANOTUBES |
| EP2444148 A1 20120425 | EP20100188779; | BAYER MATERIALSCIENCE AG; | B01J13/00; B22F9/24; | Metal particle sol with endowed silver nano particles |
| US2012104329 A1 20120503 | DE200910012675;WO2010EP01393; | BAYER MATERIALSCIENCE AG; | H01B1/24; | METHOD FOR DISPERSING GRAPHITE-LIKE NANOPARTICLES |
| CN102449015 A 20120509 | EP20090004630;WO2010EP01806; | BAYER MATERIALSCIENCE AG; | C08G18/10; C08G18/72; C08G18/28; | Nanoparticle-modified hydrophilic polyisocyanates |
| KR20120009474 A 20120131 | EP20090004630; | BAYER MATERIALSCIENCE AG; | C08L75/04; C08G18/10; C08G18/83; C08K9/00; | NANOPARTICLE-MODIFIED HYDROPHILIC POLYISOCYANATES |
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| ES2380517T T3 20120514 | EP20080009064;WO2009EP03192; | BAYER MATERIALSCIENCE AG; | C08G18/28; C08G18/38; | Poliisocianatos estables que contienen nanopartículas |
| KR20120011096 A 20120206 | DE20031024305;DE200410017553;WO2004EP05797; | BAYER MATERIALSCIENCE AG; | C08L11/00; C01G9/02; C09C1/04; C09J111/00; C09J11/04; C08K3/22; | POLYCHLOROPRENE-BASED AQUEOUS COMPOSITIONS |
| CN102388098 A 20120321 | EP20090005138;WO2010EP01922; | BAYER MATERIALSCIENCE AG; | C09C3/10; C08K9/08; C09C3/00; C08K7/24; | Polymer-functionalized carbon nanotube, method for the production thereof and use thereof |
| KR20120009442 A 20120131 | EP20090005138; | BAYER MATERIALSCIENCE AG; | C01B31/02; C08K7/24; C08K9/08; C09C3/00; | POLYMER-FUNCTIONALIZED CARBON NANOTUBE, METHOD FOR THE PRODUCTION THEREOF AND USE THEREOF |
| EP2417192 A1 20120215 | EP20090005138;EP20100711018;WO2010EP01922; | BAYER MATERIALSCIENCE AG; | C08K7/24; C09C3/00; C09C3/10; C08K9/08; | POLYMER-FUNCTIONALIZED CARBON NANOTUBE, METHOD FOR THE PRODUCTION THEREOF AND USE THEREOF |

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| CN102421838 A 20120418 | DE200910012674;WO 2010EP01397; | BAYER MATERIALSCIENCE AG; | C08J3/00; C08J5/18; C08J5/00; C08K7/24; C08L75/06; | Polyurethane compounds having carbon nanotubes |
| EP2406311 A1 20120118 | DE200910012674;WO 2010EP01397; | BAYER MATERIALSCIENCE AG; | C08L75/06; C08K7/24; C08J5/00; C08J5/18; C08J3/00; | POLYURETHANE COMPOUNDS HAVING CARBON NANOTUBES |
| US2012112133 A1 20120510 | DE200910012674;WO 2010EP01397; | BAYER MATERIALSCIENCE AG; | H01B1/24; | POLYURETHANE MATERIALS COMPRISING CARBON NANOTUBES |
| US2012138347 A1 20120607 | DE200810023882;US2 0090466636;US20121 3349801; | BAYER MATERIALSCIENCE AG; | H01B1/02; H05K1/09; H01B1/04; B05D5/12; | PRINTABLE COMPOSITIONS CONTAINING SILVER NANOPARTICLES, PROCESSES FORPRODUCING ELECTRICALLY CONDUCTIVE COATINGS USING THE SAME, AND COATINGS PREPARED THEREBY |
| US2012148478 A1 20120614 | DE200910034773;WO 2010EP04287; | BAYER MATERIALSCIENCE AG; | B01J23/755; B01J23/89; B01J23/14; B01J27/13; B01J23/62; B01J23/46; B01J23/18; B01J35/10; C01B7/04; B01J37/08; B01J21/02; B01J23/644; B01J21/06; | PROCESS FOR THE PREPARATION OF CHLORINE BY GAS PHASE OXIDATION ONNANOSTRUCTURED SUPPORTED RUTHENIUM CATALYSTS |
| AT544798T T 20120215 | EP20080009064;WO2 009EP03192; | BAYER MATERIALSCIENCE AG; | C08G18/38; C08G18/28; | STABILE NANOPARTIKELHALTIGE POLYISOCYANATE |
| CN102388109 A 20120321 | EP20090003653;WO2 010EP01394; | BAYER MATERIALSCIENCE AG; | C09D7/12; C01B31/02; C09D175/16; | Uv-curable, wear resistant and antistatic coating filled with carbonnanotubes |
| US2012010316 A1 20120112 | EP20090003653;WO2 010EP01394; | BAYER MATERIALSCIENCE AG; | C08K7/24; C09D135/02; | UV-CURABLE, WEAR RESISTANT AND ANTISTATIC COATING FILLED WITH CARBONNANOTUBES |
| KR20120001726 A 20120104 | EP20090003653; | BAYER MATERIALSCIENCE AG; | C09D133/08; C09D5/24; C09D4/02; C09D7/12; | UV-CURABLE, WEAR RESISTANT AND ANTISTATIC COATING FILLED WITH CARBONNANOTUBES |

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| AT551382T T 20120415 | DE200710058992;WO 2008EP09969; | BAYER MATERIALSCIENCE AG; | D01F11/00; C08J5/00; C08K9/04; | VERFAHREN ZUR HERSTELLUNG EINES LEITF-HIGEN POLYCARBONATVERBUNDMATERIALS |
| CN102348636 A 20120208 | EP20090003642;WO2 010EP01227; | BAYER MATERIALSCIENCE AG; | C01B31/02; | Water vapour assisted ozonolysis of carbon nanotubes |
| US2012041226 A1 20120216 | EP20090003642;WO2 010EP01227; | BAYER MATERIALSCIENCE AG; | C07C51/255; C07C65/00; | WATER VAPOUR ASSISTED OZONOLYSIS OF CARBON NANOTUBES |
| EP2406178 A1 20120118 | EP20090003642;EP20 100706162;WO2010E P01227; | BAYER MATERIALSCIENCE AG; | C01B31/02; | WATER VAPOUR ASSISTED OZONOLYSIS OF CARBON NANOTUBES |
| WO2012045727 A1 20120412 | DE201010042209; | BAYER MATERIALSCIENCE AG;EIDEN STEFANIE;OTT GERTRUD;RUDHARDT DANIEL;STEIN SIGRUN; | C01B31/02; | PRODUCTION OF DISPERSIONS CONTAINING CARBON NANOTUBES |
| WO2012076473 A2 20120614 | US20100962924; | BAYER MATERIALSCIENCE AG;FERGUSON JOHN H;PRAINO ROBERT F;RADKOWSKI DENISE A; | C09D5/24; H01B1/12; B82Y10/00; H01L51/00; H01B1/24; B32B27/12; | HYBRID CONDUCTIVE COMPOSITE |
| CN102414123 A 20120411 | DE200910019747;WO 2010EP02440; | BAYER TECHNOLOGY SERVICES GMBH; | B01J27/20; H01M8/02; C01B31/02; C25B11/12; | Method for producing carbon materials having nitrogen modificationstarting from carbon nanotubes |
| US2012111737 A1 20120510 | DE200910019747;WO 2010EP02440; | BAYER TECHNOLOGY SERVICES GMBH; | C01B31/04; B01D53/32; C25B11/12; C07D213/06; | METHOD FOR PRODUCING CARBON MATERIALS HAVING NITROGEN MODIFICATIONSTARTING FROM CARBON NANOTUBES |

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| WO2012055758 A1 20120503 | EP20100188779; | BAYER TECHNOLOGY SERVICES GMBH; EIDEN STEFANIE; SCHAEDLICHE LSA KAROLINE; | B22F9/24; B01J13/00; | METAL SOL CONTAINING DOPED SILVER NANOPARTICLES |
| WO2012071578 A2 20120531 | US20100416917P; US 201161439636P; US20 1161552376P; | BC GENESIS LLC; GATENHOLM PAUL; | G01N33/15; G01N33/50; A61L27/20; | PHARMACOLOGY BIOASSAYS FOR DRUG DISCOVERY, TOXICITY EVALUATION AND IN VITRO CANCER RESEARCH USING A 3D NANO-CELLULOSE SCAFFOLD AND LIVING TISSUE |
| CN102503443 A 20120620 | CN20111354026; | BEIGUANG LI; HUAMIN XU; JIANJUN QU; | C04B35/626; B82Y40/00; C04B35/16; | Method for preparing nanometer artificially- synthesized ceramic material |
| CN102328934 A 20120125 | CN20111169517; | BEIJING FANGHAO SINO TECHNOLOGY CO LTD; | C01B33/20; B82Y40/00; | Artificially synthesized tourmaline and preparation method thereof |
| CN102502587 A 20120620 | CN20111349846; | BEIJING FUNATE INNOVATION TECH; | B82Y40/00; C01B31/02; | Carbon nanotube film and preparation method thereof |
| US2012104213 A1 20120503 | CN20101521687; | BEIJING FUNATE INNOVATION TECH; | B65B7/00; F16M13/00; | CARBON NANOTUBE FILM SUPPORTING STRUCTURE AND METHOD FOR USING SAME |
| US2012104216 A1 20120503 | CN20101521688; | BEIJING FUNATE INNOVATION TECH; | B23P17/04; F16M13/00; | CARBON NANOTUBE FILM SUPPORTING STRUCTURE AND METHOD FOR USING SAME |
| US2012141109 A1 20120607 | CN20101576901; | BEIJING FUNATE INNOVATION TECH; | B32B5/12; G03B9/08; | FRICTION MEMBER FOR BRAKE MECHANISM AND CAMERA SHUTTER USING THE SAME |
| US2012141108 A1 20120607 | CN20101576895; | BEIJING FUNATE INNOVATION TECH; | G03B9/08; | FRICTION MEMBER FOR BRAKE MECHANISM AND CAMERA SHUTTER USING THE SAME |
| US2012137588 A1 20120607 | CN20101576893; CN2 0101576906; CN20101 | BEIJING FUNATE INNOVATION TECH; | E06B7/08; E06B7/086; | SHUTTER BLADE AND SHUTTER USING THE SAME |

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| CN102431964 A 20120502 | CN20111421304; | BEIJING INST PETROCHEM TECH; | B82Y40/00; B81C1/00; | Method for controllable generation of quantum dots or quantum wires |
| CN102442637 A 20120509 | CN20111421487; | BEIJING INST PETROCHEM TECH; | B82Y40/00; B81C1/00; | Preparation method of nanowire array perpendicular to substrate |
| CN102500292 A 20120620 | CN20111309082; | BEIJING INST TECHNOLOGY; | C07C211/52; C07D241/20; C07C209/18; B01J13/02; C07C209/22; B82Y40/00; | Preparation method of amino-containing energetic material graded microspheres |
| CN102319562 A 20120118 | CN20111270359; | BEIJING XUYANG CHEMICAL TECHNOLOGY RES INST CO LTD; | C07C13/20; C07C5/11; B82Y40/00; B01J23/60; | Preparation method for catalysts for preparing cyclohexene through benzene selective-hydrogenation and catalyst prepared by method |
| CN102432055 A 20120502 | CN20111287007; | BEIJING ZHONGHUI PHARMACEUTICAL INDUSTRY COLTD; UNIV BEIJING; UNIV HEBEI; UNIV HENAN; | C01F17/00; B82Y40/00; A61K33/24; | Lanthanum carbonate nano-particles for treating hyperphosphatemia, preparation method and use thereof |
| WO2012016298 A1 20120209 | AU20100903504; | BELCHERWARWICK; DAS TOOR PAUL CHRISTOPHER; NEWCASTLE INNOVATION LTD; | B82Y30/00; C08J5/18; H01L31/0352; | PROCESSES FOR PREPARING DEVICES AND FILMS BASED ON CONDUCTIVE NANOPARTICLES |
| CN102456869 A 20120516 | EP20100188609; EP20100196127; | BELENOS CLEAN POWER HOLDING AG; | H01M4/485; H01M4/1391; B82Y30/00; H01M4/131; | Electrode (anode and cathode) performance enhancement by composite formation with graphene oxide |
| US2012100402 A1 20120426 | EP20100188609; EP20100196127; | BELENOS CLEAN POWER HOLDING AG; | H01M4/485; H01M10/02; H01B1/18; H02J7/00; H01M10/00; H01M4/583; | ELECTRODE (ANODE AND CATHODE) PERFORMANCE ENHANCEMENT BY COMPOSITE FORMATION WITH GRAPHENE OXIDE |

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| US2012129963 A1 20120524 | WO2009EP58686; | BENEDETTI ELENA; CAMPANER PIETRO; D AMICO DANIELE; MINIGHER ANDREA; STIFANI CRISTINA; TARZIA ANTONELLA; | C08G18/75; C07D249/04; C07C39/16; C08L75/14; C08G18/73; C08G18/67; C07C43/205; C08G18/76; C07D403/06; | SYNTHESIS OF NOVEL MULTIFUNCTIONAL CARDANOL'S DERIVATIVES AND THEIR USE AS HALOGEN FREE POLYURETHANIC FOAMS PRECURSORS |
| WO2012017218 A2 20120209 | GB20100013315; | BENNINGTON STEPHEN; DAVID WILLIAM IAN FRASER; JENKINS DEREK WILLIAM KENNETH; KURBAN ZEYNEP; LOVELL ARTHUR; OWEN-JONES MARTIN; STFC SCIENCE & TECHNOLOGY; | H01M8/04; A61L27/56; D01F8/00; D01D5/00; B82Y30/00; D01D5/24; | METHOD OF ELECTROSPINNING FIBRES |
| US2012164469 A1 20120628 | TW20100146387; | BENQ MATERIALS CORP; | B21C37/04; C25D7/06; | SILVER NANOWIRES AND PREPARATION METHOD THEREOF |
| US2012037041 A1 20120216 | DE200810061703; DE2 00910015470; WO200 9EP08289; | BERKEI MICHAEL; NOLTE ULRICH; SAWILOWSKI THOMAS; | A61Q3/02; C08K5/092; C09D11/00; C01B33/021; C08K5/16; C09D133/10; C11D17/00; B22F1/00; C09D167/00; C08K3/10; C09D11/02; C09D175/04; C09J167/00; B22F9/18; B01J35/02; C09D11/10; C09J175/04; C09J133/10; A61K8/02; C03C14/00; C08K5/17; | METHOD FOR PRODUCING METAL NANOPARTICLES AND NANOPARTICLES OBTAINED IN THIS WAY AND USE THEREOF |

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| US2012010345 A1 20120112 | DE200910013430;DE2 00910056093;WO201 0EP01232; | BERNHARDT KLAUS;EDLER GERHARD;KNIESS HELGE BETTINA; | C08K3/28; C08K3/22; | PIGMENT FOR LASER MARKING |
| WO2012068781 A1 20120531 | MY2010PI05575; | BESTRONG INTERNAT LTD;PETTERS STEFAN;TSE KA CHUN KALVIN; | C01B3/26; C01B31/02; | SYSTEM AND METHOD FOR PRODUCING HYDROGEN GAS |
| US2012107800 A1 20120503 | US20100383749P;US 201113236567; | BHAKOO KISHORE K;JANCZEWSKI DOMINIK;PARASURAMAN PADMANABHAN;SUBRAM ANIAN TAMIL SELVAN; | C12Q1/02; C07K2/00; C12Q1/68; C07K7/08; C07K5/037; B32B5/16; | CELL-TARGETING NANOPARTICLES AND USES THEREOF |
| US2012161600 A1 20120628 | US20080200201P;US 20090142316P;US200 90215056P;US200913 131197;WO2009US06 255; | BHAN ADITYA;HAN SANG EON;LINDQUIST NATHAN CHARLES;NAGPALPRASH ANT;NORRIS DAVID J;OH SANG-HYUN; | B05D3/06; H01J61/52; B32B38/10; B05D5/06; | REPLICATION OF PATTERNED THIN-FILM STRUCTURES FOR USE IN PLASMONICSAND METAMATERIALS |
| WO2012054051 A1 20120426 | WO2010US53695; | BHATTJAYPRAKASH C;HEWLETT PACKARD DEVELOPMENT CO;JAKUBEK VLADIMIR;KASPERCHIK VLADEK; | C09C1/24; C09D11/00; B41M5/00; | PRINTED ARTICLE |

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| WO2012073039 A2 20120607 | GB20100020501; | BI XIANGXIN;CHIRUVOLU SHIVKUMAR;DEMASCAR EL PIERRE J;GARDNER JAMES T;HORNE CRAIG R;KAMBE NOBUYUKI;KUMAR SUJEET;LYNCH ROBERT B;MCGOVERN WILLIAM E;MOSSO RONALD J; | B01J37/08; B01J37/16; B01J21/04; B01J21/063; B01J21/066; B01J21/12; B01J21/18; B01J21/185; B01J27/224; B01J35/002; B82Y30/00; C07C5/3332; C07C2521/04; C07C2521/06; C07C2521/08; C07C2521/12; C07C2521/18; C07C2523/22 | DEHYDROGENATION PROCESS |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012013290 A1 20120202 | DE201010032855; | BINDER GOTTLIEB GMBH & CO KG;TUMA JAN; | A44B18/00; B82Y30/00; C09J7/00; B81B3/00; | CONTACT CLOSURE COMPONENT |
| JP2012017332 A 20120126 | FR19990014194; | BIO MERIEUX;CENTRE NAT RECH SCIENT; | A61K47/32; A61K47/04; A61K31/7088; C09D11/00; A61K9/51; B82Y30/00; A61K47/48; A61K45/00; A61K48/00; G01N33/543; A61P43/00; A61K49/00; G01N33/545; A61K47/02; | COMPOSITE NANOSPHERE AND CONJUGATE OF THE SAME WITH BIOMOLECULE |
| EP2404898 A2 20120111 | EP20060757689;KR20050096322;KR20050105340; | BIOMETRIX TECHNOLOGY INC; | G01N33/543; C07C251/24; | Iminecalixarene derivatives and aminocalixarene derivatives, method of preparation thereof, and self-assembled monolayer prepared by the method, fixing method of oligo-DNA by using the self-assembled monolayer, and oligo-DNA chip prepared by the method |
| US2012000845 A1 20120105 | KR20090026356;WO2010KR01869; | BIONEER CORP; | B01D69/00; B01D71/02; B05D3/02; | NANOPOROUS FILMS AND METHOD FOR MANUFACTURING THE SAME |
| US2012164749 A1 20120628 | US20060527727;US20070986803P;US2008033701;US20080194360; | BISHOP BARNEY;ESPINA VIRGINIA;LIOTTA LANCE;LONGO CATERINA;LUCHINI ALESSANDRA;PATANARU T ALEXIS;PETRICOIN EMANUEL; | C08F220/56; G01N1/18; | Smart Hydrogel Particles for Biomarker Harvesting |
| US2012156585 A1 20120621 | US20100413252P;US201113373484; | BLACK MARCIE;BUCHINE BRENT A;JURA MIKE;MILLER JEFF;MODAWAR FARIS;MURPHY BRIAN; | H01L31/18; C03C25/68; H01M4/86; H01M4/92; H01L31/0264; H01M8/10; H01M4/38; | Process for forming silver films on silicon |

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| US2012021291 A1 20120126 | WO2009IB51369; | BLADER-GROEN BERNARD JAN;JI SHAN;LINKOV VLADIMIR MIKHAILOVICH;PASUPAT HI SIVAKUMAR; | H01M4/583; B05D5/12; H01M4/525; B05D3/02; | Method for Producing a Carbon Composite Material |
| US2012128577 A1 20120524 | US20100404608P;US 201113200988; | BLUE JUICE INC; | C01D15/02; | Metal oxide synthesis |
| WO2012047292 A1 20120412 | US20100404608P; | BLUE JUICE INC;ELLSWORTH DOUGLAS; | C01G23/04; | METAL OXIDE SYNTHESIS |
| US2012010070 A1 20120112 | DE200810057475;DE2 00810057509;DE2008 10058249;WO2009EP 06642; | BLUECHER HASSO VON;BOEHRINGER BERTRAM;FICHTNER SVEN;GIEBELHAUSEN JANN-MICHAEL; | B01J20/26; B01J20/28; B01J20/30; | ADSORPTIVE STRUCTURES AND THE USE THEREOF |
| EP2419379 A2 20120222 | DK20090000479;WO2 010EP54889; | BOCK MARLENE;BUCKY O ZUN APS;NASERI SARA; | C01B31/02; | ENDOHEDRAL FULLERENES HAVING ENCLOSED THEREIN ONE OR MORE OZONEMOLECULES, AND THEIR USE AS A UV-ABSORBING AGENT |
| CA2757187 A1 20120614 | US20100967651; | BOEING CO; | C01B31/02; C23C16/26; | AUGMENTED REACTOR FOR CHEMICAL VAPOR DEPOSITION OF ULTRA-LONG CARBONNANOTUBES |
| EP2442897 A1 20120425 | US20090487531;WO2 010US36360; | BOEING CO; | B01D61/02; B01D67/00; C01B31/02; B01D69/12; B01D71/56; B01D71/02; B01D69/14; | METHODS AND SYSTEMS FOR INCORPORATION CARBON NANOTUBES INTO THIN FILMCOMPOSITE REVERSE OSMOSIS MEMBRANES |
| EP2431175 A1 20120321 | US20100882600; | BOEING CO; | C08J5/00; B32B25/20; B32B25/14; B32B25/02; B82Y30/00; | Multifunctional nano-skin articles and methods |

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| US2012092849 A1 20120419 | US20080268187; | BOEING CO; | H01L27/14; | QUANTUM DOT ILLUMINATION DEVICES AND METHODS OF USE |
| EP2465818 A1 20120620 | US20100967651; | BOEING CO; | D01F9/133; C01B31/02; | Reactor for chemical vapor deposition of ultra-long carbon nanotubes |
| WO2012057702 A1 20120503 | WO2010SG00413; | BOEYIN CHIANG;CHEN XIAODONG;MA JAN;UNIV NANYANG TECH;YIN SHENGYAN; | C01B31/02; H01G9/048; C08K7/22; B82B3/00; H01G9/042; | METHOD OF PREPARING A POROUS GRAPHENE FILM |
| WO2012001579 A1 20120105 | EP20100167693; | BOHLENDERCARMEN;BU RDINSKI DIRK;HAEX NICOLE PETRONELLA MARTIEN;KONINKL PHILIPS ELECTRONICS NV; | C01G49/08; A61K49/18; C09C1/24; | SYNTHESIS OF HIGH-PERFORMANCE IRON OXIDE PARTICLE TRACERS FOR MAGNETIC PARTICLE IMAGING (MPI) |
| WO2012001577 A1 20120105 | EP20100167687; | BOHLENDERCARMEN;BU RDINSKI DIRK;KONINKL PHILIPS ELECTRONICS NV; | C01G49/00; B82Y30/00; C01G49/08; C07F15/02; | SYNTHESIS AND USE OF IRON OLEATE |
| US2012104324 A1 20120503 | US20040782017;US20 040943657;US200500 81163;US2005029063 3;US201113286739; | BOLLMAN BRENT J;ROSCHISEN MARTIN;SAGER BRIAN;VAN DUREN JEROEN K J; | H01L31/0272; H01L31/0352; H01L31/032; | CHALCOGENIDE SOLAR CELLS |
| WO2012049428 A2 20120419 | FR20100004031; | BONDAVALLI PAOLO;GORINTIN LOUIS;LEGAGNEUX PIERRE;PONARD PASCAL;THALES SA; | B05D1/12; B05D7/16; B82Y40/00; | METHOD FOR DEPOSITING NANOPARTICLES ON A SURFACE AND CORRESPONDING NANOPARTICLE DEPOSITING APPLIANCE |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012055827 A1 20120503 | US20100406416P;US 20100418081P;US201 00421985P;US201061 426083P; | BONGAERTS JEROEN;DE VRIES ALEXANDER;LUGT PIET;MEIJER DICK;MULLER DRIES;PASARIBU RIHARD;SANZ ALEJANDRO;SCHAAKE RICHARD;SKF AB; | C10M171/06; | DRY LUBRICANT CONTAINING FIBERS AND METHOD OF USING THE SAME |
| WO2012055882 A1 20120503 | US20100406416P;US 20100418081P;US201 00421985P;US201061 426083P; | BONGAERTS JEROEN;DE VRIES ALEXANDER;LUGT PIET;MEIJER DICK;MULLER DRIES;PASARIBU RIHARD;SANZ ALEJANDRO;SCHAAKE RICHARD;SKF AB; | C10M171/06; F16C19/00; D01F6/00; B01J20/00; B01D15/00; | HYDROPHILIC COMPOSITION FOR USE WITH A LUBRICATING SYSTEM AS WELL ASAN APPARATUS AND METHOD FOR USING THE SAME |
| WO2012055825 A1 20120503 | US20100406416P;US 20100418081P;US201 00421985P;US201061 426083P; | BONGAERTS JEROEN;DE VRIES ALEXANDER;LUGT PIET;MEIJER DICK;MULLER DRIES;PASARIBU RIHARD;SANZ ALEJANDRO;SCHAAKE RICHARD;SKF AB; | C10M171/06; | LUBRICANT SYSTEM AND METHOD OF FORMING THE SAME |

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| WO2012055821 A1 20120503 | US20100406416P;US 20100418081P;US201 00421985P;US201061 426083P; | BONGAERTS JEROEN;DE VRIES ALEXANDER;LUGT PIET;MEIJER DICK;MULLER DRIES;PASARIBU RIHARD;SANZ ALEJANDRO;SCHAAKE RICHARD;SKF AB; | C10M171/06; | LUBRICANT THICKENED WITH OLEOPHILIC FIBERS |
| WO2012071605 A1 20120607 | AU20100905260; | BONGGOTGETSAKUL YA YA NUTCHAPURIDA;CATTRA LL ROBERT WALTER;KOLEV SPAS DIMITROV;UNIV MELBOURNE; | G01G7/00; G01N27/26; B82Y30/00; G01N33/52; | PROCESS FOR PREPARING GOLD NANOPARTICLES |
| US2012053058 A1 20120301 | FR20020016637;US20 030346690;US201113 069922; | BONNET ISABELLE;MATTEIS CHARLOTTE DE;PERRIER ERIC; | A61K9/52; A61K8/14; C08J5/00; C08L101/16; A61K47/30; C07H21/02; A61K8/11; A61K9/51; A61Q1/06; A61Q5/02; A61Q17/04; A61K45/06; A61K9/127; A61Q19/00; A61Q19/10; A61Q5/00; A61P17/00; A61K8/72; A61P17/16; A01N63/00; A61Q1/00; A01N25/28; A61K8/02; A01P15/00; A61K8/04; A61K8/00; A61Q1/04; A61K8/60; A61K8/06; A61K8/67; A01P13/00; C07H21/04; A61K45/00; A61K9/50; | PARTICLES COMPRISING A BIOPOLYMER WHICH IS DEGRADABLE UNDER THE EFFECT OF AN ELECTROMAGNETIC WAVE AS EMITTED BY A SOLAR RADIATION |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| US2012111385 A1 20120510 | US20090274275P;US 20100856264; | BORCA-TASCIUC THEODORIAN;MEHTARUT VIK;RAMANATH GANAPATHIRAMAN; | C04B35/64; H01L35/28; B32B5/16; B01J19/12; C09K5/00; | DOPED PNICTOGEN CHALCOGENIDE NANOPLATES, METHODS OF MAKING, ANDASSEMBLIES AND FILMS THEREOF |
| WO2012052068 A1 20120426 | WO2010EP66006; | BORISOV SERGEY;FERCHERANDR EAS;KLIMANT INGO;PAPKOVSKY DMITRI;UNIV COLLEGE CORK NAT UNIV IE;ZHDANOV ALEXANDER; | G01N33/84; G01N31/22; G01N33/58; G01N33/50; | METHOD AND PROBE FOR MONITORING OXYGEN STATUS IN LIVE MAMMALIAN CELLS |
| WO2012032345 A2 20120315 | GB20100014837; | BORREBAECK CARL ARNE KRISTER;IMMUNOVIA AB;SMITH STEPHEN EDWARD;WINGREN LARS BERTIL CHRISTER; | G01N33/564; | BIOMARKER SIGNATURES AND USES THEREOF |
| EP2430691 A1 20120321 | US20090437873;WO2 010US33957; | BOSCH GMBH ROBERT; | H01M4/74; H01M4/66; H01M4/133; H01M4/40; H01M10/0525; H01M4/75; H01M4/70; | Li -ION BATTERY WITH POROUS ANODE SUPPORT |
| FR2962429 A1 20120113 | DE201010030960; | BOSCH GMBH ROBERT; | B81C3/00; H01L21/58; B81B1/00; B81B7/02; B82Y40/00; H01L23/16; B81C1/00; | PROCEDE DE FABRICATION D'UN COMPOSANT AMORTISSANT LES VIBRATIONS |

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| US2012135047 A1 20120531 | AU20090901748;US20 090172291P;US20101 3266122;WO2010AU0 0471; | BOSCH H WILLIAM;DODD AARON;MEISER FELIX;NORRET MARCK;RUSSELL ADRIAN; | A61K31/196; C07C229/42; A61K9/14; | NOVEL FORMULATION OF DICLOFENAC |
| CN102387922 A 20120321 | US20080139050P;WO 2009US68781; | BOSNYAK CLIVE P; | B32B27/02; C23C4/04; | Exfoliated carbon nanotubes, methods for production thereof and products obtained therefrom |
| WO2012080160 A1 20120621 | US20100423033P;WO 2011US41078; | BOSNYAK CLIVE P;HESTER KENNETH W;STYRON EUROPE GMBH;SWOGGER KURT W; | C01B31/02; C08K7/06; C08L21/02; B60C1/00; C08K3/04; | IMPROVED ELASTOMER FORMULATIONS |
| WO2012080158 A1 20120621 | US20100423033P;WO 2011US41078; | BOSNYAK CLIVE P;HESTER KENNETH W;STYRON EUROPE GMBH;SWOGGER KURT W; | B60C1/00; C01B31/02; C08L21/02; C08K7/06; | IMPROVED ELASTOMER FORMULATIONS |
| WO2012080159 A1 20120621 | US20100423033P;WO 2011US41078; | BOSNYAK CLIVE P;STYRON EUROPE GMBH;SWOGGER KURT W; | C01B31/02; C08K7/06; B60C1/00; C08K3/04; C08J3/21; C08J3/22; C08K5/00; C08L21/02; C08J3/24; | IMPROVED ELASTOMER FORMULATIONS |
| TW201202135 A 20120116 | US20100357420P; | BOSNYAK CLIVE P;SWOGGER KURT W; | B29C70/28; B29C70/06; C01B31/02; | Modified carbon nanotubes, methods for production thereof and products obtained therefrom |

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| TW201224643 A 20120616 | US20100354925P; | BOUDOU JEAN- PAUL;CURMI PATRICK;JELEZKOFEDO R;SENNOUR MOHAMED;THOREL ALAIN; | B82Y10/00; B82Y40/00; G03F1/24 | Mask for EUV lithography, EUV lithography system and method foroptimising the imaging of a mask |
| US2012022231 A1 20120126 | EP20090305216;WO2 010EP52910; | BOUDOU JEAN- PAUL;CURMI PATRICK;JELEZKOFEDO R;SENNOUR MOHAMED;THOREL ALAIN; | B02C23/18; B32B9/04; C07K17/00; C07H21/00; C09K11/65; | Method for Manufacturing Cubic Diamond Nanocrystals |
| WO2012001177 A1 20120105 | FR20100055404; | BOULANGER PASCAL;BROUZESALEXA NDRE;COMMISSARIAT ENERGIE ATOMIQUE;DENIAU GUY CLAUDE DENIS;MAYNE-L HERMITE MARTINE;MILLE MARION;PINAULT MATHIEU; | B01D69/12; B01D67/00; C04B35/80; B01D69/14; C04B35/76; | MATERIAL INCLUDING GRAFTED NANOTUBES OR NANOWIRES IN A MATRIX, METHODFOR PREPARING SAME AND USES THEREOF |
| US2012114927 A1 20120510 | US20100409775P;US 201113287820; | BOUREGHDA MONNIR;KHASELEV OSCAR;MARCZI MICHAEL T;MO BIN;SINGH BAWA; | B32B38/10; B05D1/12; B32B37/00; B32B5/00; H01B1/22; | SINTERING MATERIALS AND ATTACHMENT METHODS USING SAME |
| WO2012019081 A2 20120209 | US20100371549P; | BOURKE FREDERIC A JR;IMMUNOLIGHT LLC;WALDER HAROLD; | B32B5/16; | COLOR ENHANCEMENT UTILIZING UP CONVERTERS AND DOWN CONVERTERS |

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| KR20120060542 A 20120612 | KR20100122087; | BOUTAGHOU ZINE-EDDINE;SCHWAPPACH KARL G; | B01F17/36; C04B35/468; B02C17/16; C01G23/00; | A FABRICATING METHOD FOR TITANIC ACID BARIUM POWDER AND TITANIC ACIDBARIUM POWDER USING THEREOF |
| US2012149283 A1 20120614 | US20090174472P;US20090187658P;US20090220149P;US20090221554P;US20090232425P;US20090232525P;US20090248194P;US20090267030P;US20090267031P;US20100766473;US20100784908;US201113289797; | BOUTAGHOU ZINE-EDDINE;SCHWAPPACH KARL G; | B24D3/28; C09K3/14; B24B1/00; B23P19/04; | ABRASIVE SLURRY AND DRESSING BAR FOR EMBEDDING ABRASIVE PARTICLES INTO SUBSTRATES |
| WO2012040310 A2 20120329 | US20100385336P; | BOWLIN GARY L;SELL SCOTT A;UNIV VIRGINIA COMMONWEALTH;WOLF E PATRICIA S; | A61L27/44; B82Y40/00; A61L27/14; D01D5/00; | PREPARATION RICH IN GROWTH FACTOR-BASED FIBROUS MATRICES FOR TISSUE ENGINEERING, GROWTH FACTOR DELIVERY, AND WOUND HEALING |
| US2012035332 A1 20120209 | US20070931306P;US20080124952;US201113251106; | BOZ EMINE;DIALLO MAMADOU S;FRECHET JEAN; | C08G73/10; E21B43/28; C08G73/04; E21C37/00; | Extraction of Metals from Solid Mixtures Using Dendritic Macromolecules |

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| WO2012052147 A1 20120426 | EP20100013760; | BRAEUER JUDITH;EIDGENOESS TECH HOCHSCHULE;GRUETZM ACHER HANSJOERG;LAURINO PAOLA;MAX PLANCK GESELLSCHAFT;SEEBER GER PETER;TAUER KLAUS; | C08F2/48; B82Y40/00; C08F212/08; C08F12/08; C08F2/24; C08F8/40; | PROCESS FOR THE MODIFICATION OF POLYMERS, IN PARTICULAR POLYMERNANOPARTICLES |
| WO2012052148 A1 20120426 | EP20100013761; | BRAEUER JUDITH;EIDGENOESS TECH HOCHSCHULE;GRUETZM ACHER HANSJOERG;LAURINO PAOLA;MAX PLANCK GESELLSCHAFT;SEEBER GER PETER;TAUER KLAUS; | B82Y40/00; C08F12/08; C08F8/40; C08F20/18; C08F20/12; C08F2/24; C08F2/48; | ULTRA FAST PROCESS FOR THE PREPARATION OF POLYMER NANOPARTICLES |

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| US2012009115 A1 20120112 | US20090158256P;US 201113225353;WO20 10US26421; | BRAHIM SEAN IMTIAZ;COLBERN STEVEN;GRIGORIAN LEONID; | C01B31/00; C09C1/44; | METHOD FOR MAKING COHESIVE ASSEMBLIES OF CARBON |
| WO2012033494 A1 20120315 | WO2010US48315; | BRAHIMSEAN IMTIAZ;COLBERN STEVEN;GRIGORIAN LEONID;YAZAKI CORP; | B32B1/00; H01G9/042; H01M4/96; B82B3/00; C01B31/02; | COHESIVE ASSEMBLY OF CARBON AND ITS APPLICATION |
| SG176634 A1 20120130 | US20090222794P;US 20100828498;WO201 0US01889; | BRANHAM KELLY D; | B82Y10/00; B82Y40/00; G03F7/0002 | CHUCKING SYSTEM WITH RECESSED SUPPORT FEATURE |
| US2012003893 A1 20120105 | US20100825581; | BRANHAM KELLY D; | D02G3/36; D04H13/00; B29C47/00; B32B5/02; | Composite Nanofibers |
| WO2012001543 A2 20120105 | US20100825581; | BRANHAM KELLY D;KIMBERLY CLARK CO; | D01F1/10; B82Y40/00; D04H3/16; D01D5/00; | COMPOSITE NANOFIBERS |
| US2012113420 A1 20120510 | WO2009US57327; | BRATKOVSKI ALEXANDER M;HU MIN;KUO HUEI PEI;LI ZHIYONG;WANG SHIH- YUAN; | G01J3/44; | ELECTRICALLY DRIVEN DEVICES FOR SURFACE ENHANCED RAMAN SPECTROSCOPY |
| JP2012056085 A 20120322 | JP20100198160; | BRIDGESTONE CORP; | H01L21/027; B29C33/38; B29C59/04; | METHOD OF MANUFACTURING CYLINDRICAL MOLD AND APPARATUS FOR THE SAME |

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| WO2012060418 A1 20120510 | JP20100246125;JP20 100246374; | BRIDGESTONE CORP;ENDOU SHINOBU;MIYANO MARI;OONO SHINGO;SHIINO OSAMU;YAMAMOTO YUKIKO;YOSHIKAWA MASATO; | H01L31/042; H01L31/052; C01B33/02; C08K3/34; C08L101/00; C08J3/20; | METHOD FOR MANUFACTURING RESIN MATERIAL, RESIN MATERIAL, METHOD FORMANUFACTURING SOLAR CELL MODULE, AND SOLAR CELL MODULE |
| WO2012029904 A1 20120308 | JP20100198160; | BRIDGESTONE CORP;HASHIMOTO MASASHI;INAMIYA TAKATO;KAIDA EIZOU;KOTSUBO HIDEFUMI; | B29C33/38; H01L21/027; B29C59/04; | METHOD FOR MANUFACTURING CYLINDRICAL MOLD, AND DEVICE USED IN METHOD |
| US2012083574 A1 20120405 | US20080199193;US20 1113325736; | BRIDGESTONE SPORTS CO LTD; | C08L33/02; A63B37/00; C08F267/02; C08F283/00; | GOLF BALL MATERIAL, GOLF BALL AND METHOD FOR PREPARING GOLF BALL MATERIAL |
| US2012064108 A1 20120315 | US20090162619P;US 201013258722;WO20 10US20536; | BRIGHAM & WOMENS HOSPITAL; | C12P21/00; A61P37/04; A61K39/00; A61P31/00; A61P35/00; C07K1/113; | GLYCOCONJUGATE VACCINES |
| WO2012000123 A1 20120105 | CH20100001043; | BROG JEAN- PIERRE;CROCHET AURELIEN;FROMM KATHARINA M;UNIV FRIBOURG; | C01G45/12; C07F15/06; C01B13/18; C01G23/00; C07F19/00; C01G53/00; C01G51/00; | LITHIUM METAL ARYLOXIDE CLUSTERS AS STARTING PRODUCTS FOR OXIDEMATERIALS |
| US2012028191 A1 20120202 | US20100369342P;US 201113194151; | BROOKHAVEN SCIENCE ASS LLC; | G03F7/20; C07F7/18; C08G75/06; B05D5/12; B05D3/12; B05D3/06; H01L21/04; B05D3/02; | Azide Functionalized Poly(3-Hexylthiophene) and Method of Forming Same |
| US2012141797 A1 20120607 | US20100326464P;US 201113090884; | BROOKHAVEN SCIENCE ASS LLC; | B32B5/16; C09D7/12; | Zwitterion-Linker Coatings for Nano-objects in Solutions ofMultivalent Counterions |

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| WO2012018988 A1 20120209 | US20100371438P; | BROOKHAVEN SCIENCE ASS LLC;LI QIANG;SOLOVYOV VYACHESLAV; | C01B13/00; C04B35/45; H01L39/00; C01G3/00; C04B35/01; C01F1/00; | SOLID-STATE CATALYSIS OF SUPERCONDUCTING CUPRATES |
| US2012079942 A1 20120405 | GB20100016441; | BRYANT PAUL;HINER STEVE DAVID;RICHARDSON PAUL; | B01D50/00; | FILTRATION SYSTEM AND METHOD OF DESIGN |
| WO2012047345 A2 20120412 | US20100362185P; | BUCKNER STEVEN W;CHUNG STEPHEN W;JELLISS PAUL;THOMAS BRANDON J;UNIV SAINT LOUIS; | B32B5/16; C07F19/00; C08F130/04; | PASSIVATED METAL NANOPARTICLES HAVING AN EPOXIDE-BASED OLIGOMER COATING |
| US2012009424 A1 20120112 | US20100362185P;US 201113178398; | BUCKNER STEVEN;CHUNG STEPHEN W;JELLISS PAUL;THOMASBRANDON J; | C08F130/04; C07F19/00; B32B5/16; | PASSIVATED METAL NANOPARTICLES HAVING AN EPOXIDE-BASED OLIGOMER COATING |
| CN102448878 A 20120509 | DK20090000479;WO2 010EP54889; | BUCKY O ZUN APS; | C01B31/02; | Endohedral fullerenes having enclosed therein one or more ozonemolecules, and their use as a uv-absorbing agent |
| US2012122695 A1 20120517 | DK20090000479;WO2 010EP54889; | BUCKY O ZUN APS; | A01N25/28; C01B13/11; C09D1/00; A61Q17/04; A61K8/19; A61Q5/00; B32B5/16; | ENDOHEDEAL FULLERENES HAVING ENCLOSED THEREIN ONE OR MORE OZONEMOLECULES, AND THEIR USE AS A UV-ABSORBING AGENT |
| KR20120069607 A 20120628 | DK20090000479; | BUCKY O ZUN APS; | A61K31/015; A61P17/00; C01B31/02; | ENDOHEDEAL FULLERENES HAVING ENCLOSED THEREIN ONE OR MORE OZONEMOLECULES, AND THEIR USE AS A UV-ABSORBING AGENT |
| CN102333725 A 20120125 | DE200910001204;WO 2010EP52108; | BUDENHEIM KG CHEM FAB; | C01B25/37; | Production of iron orthophosphate |

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| US2012034178 A1 20120209 | US20070520592;US20 070879993P;US20070 925392P;US20111327 8213;WO2007EP6401 7; | BUGNON PHILIPPE;BUJARD PATRICE;MAMAK MARC;STADLERURS LEO; | C04B35/58; C08K3/10; C08K3/34; C09D1/00; C09D11/02; C04B35/46; A61K8/18; C08K3/22; A61Q1/02; | PIGMENT MIXTURES |
| US2012145632 A1 20120614 | EP20090165497;EP20 100164875;WO2010E P60222; | BULTERS MARKUS JOHANNESHENRICUS;CH ICHE ARNAUD DAVID HENRI;DULLAERT KONRAAD ALBERT LOUISE HECTOR;RULKENS RUDY; | B01D61/00; C08G69/26; B01D71/56; D01D5/00; | ELECTROSPINNING OF POLYAMIDE NANOFIBERS |
| WO2012019195 A1 20120209 | US20100371567P;US 20100393209P;US201 161436094P;US20116 1472499P;US2011614 75147P; | BURBA JOHN;HASSLER CARL;LAHLOUH JOHN;LUPO JOSEPH A;MOLYCOP MINERALS LLC;VODGES CHRIS;WHITEHEAD CHARLES;WRIGHT BRANDT; | B01D24/00; | AGGLOMERATION OF HIGH SURFACE AREA RARE EARTHS |
| WO2012001578 A1 20120105 | EP20100167690; | BURDINSKI DIRK;HAEX NICOLEPETRONELLA MARTIEN;KONINKL PHILIPS ELECTRONICS NV; | A61K49/18; C01G49/08; C09C1/24; | SINGLE-STEP SYNTHESIS OF IRON OXIDE NANOPARTICLES |

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| SG177565 A1 20120228 | US20090223944P;US 20090226153P;US200 90228250P;US200902 35574P;US200902498 04P;US20090263648P ;US20100294690P;W O2010US41427; | BURESCH ISABELL;KROEMMER WERNER; | B22F1/0022; B22F9/00; B82Y30/00; C30B7/12; C30B29/02; C30B29/60; B22F2001/0037 | NOVEL GOLD-BASED NANOCRYSTALS FOR MEDICAL TREATMENTS ANDELECTROCHEMICAL MANUFACTURING PROCESSES THEREFOR |
| US2012077017 A1 20120329 | DE200910026655;WO 2010EP03242; | BURESCH ISABELL;KROEMMER WERNER; | H01B1/04; B32B5/18; C23C4/18; B32B5/16; B32B15/00; C23C4/04; | PROCESS FOR PRODUCING A METAL MATRIX COMPOSITE MATERIAL |
| WO2012075006 A2 20120607 | US20100417658P; | BUSNAINA AHMED;HUANG JUN;SIRMAN ASLI;SOMU SIVASUBRAMANIAN;UNIV NORTHWESTERN;YILMAZ CIHAN; | H01L21/208; | HIGH RATE ELECTRIC FIELD DRIVEN NANOELEMENT ASSEMBLY ON AN INSULATEDSURFACE |
| WO2012026927 A1 20120301 | WO2010US46553; | BUSSAN JOHN EDWARD;FRAGALA JOSEPH S;HAAHEIM JASON R;NANOINK INC;NELSON MICHAEL R;ROZHOK SERGEY V;SOLHEIM EDWARD R;VAKIL JAVAD M;VAL- KHVALABOV VADIM; | G03F7/00; G03F9/00; B82B3/00; | LEVELING DEVICES AND METHODS |
| WO2012050984 A1 20120419 | US20100903790; | BUTUC STEFAN M;NAT OILWELL VARCO LP;SETLUR DEEPTHI R; | B82Y30/00; E21B41/02; C23F11/00; C09K8/54; C10M171/06; C09D5/08; | RELEASABLE CORROSION INHIBITORS |
| US2012045687 A1 20120223 | CN20101260247; | BYD CO LTD; | H01M2/04; H01M4/60; H01M4/583; H01B1/24; H01M4/64; H01M4/38; | NEGATIVE ACTIVE MATERIALS, LITHIUM ION BATTERIES, AND METHODS THEREOF |

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| US2012112346 A1 20120510 | KR20100109166; | BYUN JIN-SU;CHO SUNG-HAENG;JEONG CHANG-OH;KIM YEON-HONG;KIMSANG-GAB;NING HONG LONG;PARK JI-YOUNG; | H01L23/532; H01L21/768; B82Y20/00; B82Y40/00; | THIN-FILM TRANSISTOR SUBSTRATE AND METHOD OF MANUFACTURING THE SAME |
| US2012134870 A1 20120531 | KR20060087619;KR20070023505;US20090440744;US201213344308;WO2007KR04341; | C & TECH CO LTD; | B22F3/12; B22F3/24; | COMPOSITE SINTERING MATERIALS USING CARBON NANOTUBE AND MANUFACTURINGMETHOD THEREOF |
| US2012134869 A1 20120531 | KR20060087619;KR20070023505;US20090440744;US201213344270;WO2007KR04341; | C & TECH CO LTD; | B22F3/12; B22F3/26; | COMPOSITE SINTERING MATERIALS USING CARBON NANOTUBE AND MANUFACTURINGMETHOD THEREOF |
| CN102361940 A 20120222 | US20090205229P;US20090277808P;WO2010US00120; | CABOT CORP; | H01L21/321; C09G1/02; C09C1/30; | Compositions comprising silane modified metal oxides |
| KR20120031242 A 20120330 | US20040568572P; | CABOT CORP; | C09C1/40; C01F17/00; C01B13/14; C09C3/04; C01B33/14; C01F7/02; | METHOD OF PREPARING AN AGGREGATE METAL OXIDE PARTICLE DISPERSIONHAVING A DESIRED AGGREGATE PARTICLE DIAMETER |
| KR20120056900 A 20120604 | US20040553413P;US20040553611P;US20040553612P;US20040553672P;US20040555888P;WO2005US08666; | CABOT CORP; | G01N33/543; H01M4/38; C01B3/00; G01N33/58; C01B31/08; C09C1/56; H01M8/04; C01B31/02; H01B1/12; H01M4/58; B32B15/04; | MODIFIED CARBON PRODUCTS AND THEIR APPLICATIONS |
| EP2431427 A1 20120321 | EP20060827102;US20050731721P;US20060815305P;US20060815326P;US20060815327P; | CABOT CORP; | C09D11/00; C09B67/00; C09B67/08; | Modified colorants and inkjet ink compositions comprising modifiedcolorants |

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| EP2431426 A1 20120321 | EP20060827102;US20 050731721P;US20060 815305P;US20060815 326P;US20060815327 P; | CABOT CORP; | C09B67/08; C09B67/00; C09D11/00; | Modified colorants and inkjet ink compositions comprising modifiedcolorants |
| EP2431425 A1 20120321 | EP20060827102;US20 050731721P;US20060 815305P;US20060815 326P;US20060815327 P; | CABOT CORP; | C09B67/08; C09D11/00; C09B67/00; | Modified colorants and inkjet ink compositions comprising modifiedcolorants |
| US2012092598 A1 20120419 | US20100393398P;US 201113271452; | CABOT CORP; | C09B3/14; G02F1/1335; C07C305/18; C09C1/48; C08K5/42; C08K5/3445; C07C217/76; | SURFACE MODIFIED ORGANIC BLACK PIGMENTS, SURFACE MODIFIED CARBONBLACKS, PIGMENT MIXTURES USING THEM, AND LOW DIELECTRIC BLACK DISPERSIONS, COATINGS, FILMS, BLACK MATRICES, AND DEVICES CONTAINING SAME |
| TW201221584 A 20120601 | US20100393398P; | CABOT CORP; | C09B69/10; C09B67/40; G02F1/1335; C09C1/58; C09B57/00; C09C1/56; C09D17/00; G02B5/20; | Surface modified organic black pigments, surface modified carbonblacks, pigment mixtures using them, and low dielectric black dispersions, coatings, films, black matrices, and devices containing same |
| WO2012051264 A1 20120419 | US20100393398P; | CABOT CORP;CARROLL JOSEPH B;KYRLIDIS AGATHAGELOS;SHAKHN OVICH ALEXANDER I;ZHANG QINGLING; | C09C1/56; | SURFACE MODIFIED ORGANIC BLACK PIGMENTS, SURFACE MODIFIED CARBONBLACKS, PIGMENT MIXTURES USING THEM, AND LOW DIELECTRIC BLACK DISPERSIONS, COATINGS, FILMS, BLACK MATRICES, AND DEVICES CONTAINING SAME |
| WO2012009512 A2 20120119 | US20100399729P; | CABOT CORP;SHUMAN MATTHEW T;WILLIAMS DARRYL S; | B22F9/00; B01J13/00; C09D11/02; B22F9/24; | STABILIZED SILVER PARTICLE COLLOIDS |
| US2012132570 A1 20120531 | US20100348053P;US 201113115777; | CABOT SECURITY MATERIALS INC; | B03B5/00; G02F1/355; | Nanoparticle Separation Methods and Compositions |

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| WO2012056184 A2 20120503 | FR20100058904; | CAHEN SEBASTIEN;CENTRE NAT RECH SCIENT;HEROLD CLAIRE;MARECHE JEAN- FRANCOIS;MERCIER GUILLAUME;UNIV LORRAINE;VIGOLO BRIGITTE; | C01B31/02; | METHOD OF PURIFYING CARBON NANOTUBES |
| DE202011108388U U1 20120131 | DE201120108388U; | CAKMAK MUKERREM;YALCIN BARIS;ZHAO WEI; | G01S13/50; H04M9/00; H04M1/247; H04M1/22; G07C9/00; | Kompakte T ³ rkommuniktionseinheit |
| US2012153236 A1 20120621 | US20090225767P;US 20090225802P;US201 013383988;WO2010U S42185; | CAKMAK MUKERREM;YALCIN BARIS;ZHAO WEI; | B29C47/08; H01B1/12; H01B1/02; H01B1/04; | MANUFACTURING OF MULTIFUNCTIONAL ELECTRICALLYCONDUCTIVE/TRANSPARENT/ FLEXIBLE FILMS |
| WO2012049660 A1 20120419 | PT20100105339; | CALADO DA SILVA JOAO MANUEL;COSTA LAGOA ANA LUCIA;DOS SANTOS ANTUNES ELSA MARISA;INNOVNANO MATERIAIS AVANCADOS S A; | C01G45/12; B01J3/08; C06B47/14; C01G23/047; C01G25/02; | PROCESS FOR NANOMATERIAL SYNTHESIS FROM THE PREPARATION AND DETONATION OF AN EMULSION, PRODUCTS AND EMULSIONS THEREOF |
| WO2012052923 A1 20120426 | PT20100105340; | CALADO DA SILVA JOAO MANUEL;INNOVNANO MATERIAIS AVANCADOS S A;PRATAS DA SILVA SILVIO MANUEL; | C01G45/12; B01J3/08; C01G23/047; C04B35/443; C06B47/14; B82Y30/00; C01B13/32; C01F7/16; | CONTINUOUS PROCESS FOR NANOMATERIAL SYNTHESIS FROM SIMULTANEOUSEMULSIFICATION AND DETONATION OF AN EMULSION |

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| WO2012019819 A1 20120216 | EP20100172786; | CALAME MICHEL;GRAEBERMATTH IAS;HUNTSMAN ADV MAT SWITZERLAND;PERRIN MICKAEL LUCIEN;SCHOENENBERG ER CHRISTIAN; | C01B31/02; D01F11/12; B01J21/18; B01J35/06; | PROCESS TO GROW CARBON NANOTUBES ONTO FIBERS |
| US2012058170 A1 20120308 | US20100379701P;US 201113224287; | CALIFOMIA INST OF TECHNOLOGY; | A61K9/00; A61F2/958; A61K31/352; | DRUG DELIVERY BY CARBON NANOTUBE ARRAYS |
| EP2446467 A2 20120502 | US20090220980P;WO 2010US39702; | CALIFORNIA INST OF TECHN; | H01L29/78; H01L21/336; | METHODS FOR FABRICATING PASSIVATED SILICON NANOWIRES AND DEVICES THUSOBTAINED |
| US2012060913 A1 20120315 | US20100382422P;US 201113231111;US201 161498282P; | CALIFORNIA INST OF TECHN; | H01L31/0232; H01L31/0216; | WHISPERING GALLERY SOLAR CELLS |
| WO2012039800 A2 20120329 | US20100355049P; | CALIFORNIA INST OF TECHN;HOENK MICHAEL E; | H01L27/144; | SURFACE PASSIVATION BY QUANTUM EXCLUSION USING MULTIPLE LAYERS |
| WO2012082523 A2 20120621 | US20100423711P;US 201161522388P; | CALIFORNIA INST OF TECHN;HUANG JINGQING;KIM SEHEON;OH DONG YOON;SCHERER AXEL; | H01S5/34; H01S5/183; | CHEMICALLY-ETCHED NANOSTRUCTURES AND RELATED DEVICES |
| WO2012045016 A2 20120405 | US20100388342P;US 20100405019P; | CALIFORNIA INST OF TECHN;RAJAGOPAL ADITYA;SCHERER AXEL;TOMBRELLO THOMAS A;WALAVALKAR SAMEER; | B01D71/02; B01D61/00; B01D69/00; | PARTICULATE NANOSORTING STACK |
| ES2383689T T3 20120625 | US20030505384P;US 20030524788P;WO20 04US31274; | CALIFORNIA INST OF TECHN;UNIV NORTH CAROLINA; | C08J5/20; B05D5/12; B81B1/00; H01M4/88; C09D171/02; C08J5/12; H01M8/10; | Perfluoropolímeros fotocurables para su uso como materiales novedosos en dispositivos microfluídicos |

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| AT551383T T 20120415 | US20030505384P;US 20030524788P;WO20 04US31274; | CALIFORNIA INST OF TECHN;UNIV NORTH CAROLINA; | C09D171/02; B81B1/00; H01M8/10; C08J5/12; H01M4/88; C08J5/20; B05D5/12; | PHOTOH-RTBARE PERFLUORPOLYETHER ZUR VERWENDUNG ALS NEUE WERKSTOFFE INMIKROFLUIDISCHEN VORRICHTUNGEN |
| GB2485339 A 20120516 | GB20100018498; | CAMBRIDGE ENTPR LTD; | C01B31/02; | Carbon materials containing carbon nanotubes |
| US2012064652 A1 20120315 | GB20010009295;US2 0040474814;US20111 3242305;WO2002GB0 1723; | CAMBRIDGE ENTPR LTD; | H01L51/50; H05B33/10; H01L27/32; H01L51/52; H01L33/26; | OPTOELECTRONIC DEVICES AND A METHOD FOR PRODUCING THE SAME |
| WO2012010834 A2 20120126 | GB20100012098; | CAMBRIDGE ENTPR LTD;ESCONJAUREGUI C SANTIAGO;ROBERTSON JOHN; | B01J37/08; B01J21/04; B82Y40/00; B01J37/34; B01J35/00; B01J23/745; B82Y30/00; C01B31/02; B01J37/12; B01J21/18; B01J23/74; | METHOD AND APPARATUS FOR FORMING NANOPARTICLES |
| GB2485686 A 20120523 | GB20090009694;GB2 0090013579;WO2010 GB50944; | CAMBRIDGE ENTPR LTD;JOHNSON MATTHEY PLC; | B01J23/745; C07C5/333; B01J23/22; B01J37/08; C07C5/32; | Catalyst and process |
| CN102459135 A 20120516 | GB20090009694;GB2 0090013579;WO2010 GB50944; | CAMBRIDGE ENTPR LTD;JOHNSON MATTHEY PLC; | B01J23/745; B01J23/22; C07C5/32; C07C5/333; | Catalyst and process |
| US2012136191 A1 20120531 | GB20090009694;GB2 0090013579;WO2010 GB50944; | CAMBRIDGE ENTPR LTD;JOHNSON MATTHEY PLC; | C07C5/333; | CATALYST AND PROCESS |
| EP2438032 A1 20120411 | GB20090009694;GB2 0090013579;WO2010 GB50944; | CAMBRIDGE ENTPR LTD;JOHNSON MATTHEY PLC; | B01J37/08; C07C5/32; | PROCESS FOR THE PREPARATION OF A DEHYDROGENATION CATALYST AND USESTHEREOF |

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| WO2012059716 A1 20120510 | GB20100018498; | CAMBRIDGE ENTPR LTD;KOZIOL KRZYSZTOFKAZIMIERZ;L EKAWA-RAUS AGNIESZKA EWA;SUNDARAM RAJYASHREE;WINDLE ALAN; | D01F9/12; B01J37/08; B01J23/745; C01B31/02; | CARBON MATERIALS COMPRISING CARBON NANOTUBES AND METHODS OF MAKING CARBON NANOTUBES |
| WO2012019133 A1 20120209 | US20100371151P; | CAMBRIDGE RES & INSTRUMENTATION INC;HOYT CLIFFORD C; | G06T7/00; G01N1/30; G01N21/64; | ENHANCING VISUAL ASSESSMENT OF SAMPLES |
| US2012033367 A1 20120209 | US20070913231P;US 20080106193;US2011 13206279; | CAMBRIOS TECHNOLOGIES CORP; | H05K7/00; H01B5/00; | COMPOSITE TRANSPARENT CONDUCTORS AND METHODS OF FORMING THE SAME |
| TW201200469 A 20120101 | US20100316770P;US 20100391564P; | CAMBRIOS TECHNOLOGIES CORP; | B82B3/00; B82Y40/00; | Etch patterning of nanostructure transparent conductors |
| TW201200467 A 20120101 | US20100712096;US20 1161442693P;WO201 1US25941; | CAMBRIOS TECHNOLOGIES CORP; | B82B3/00; B82Y40/00; | Nanowire-based transparent conductors and methods of patterning same |
| KR20120065361 A 20120620 | US20090274974P; | CAMBRIOS TECHNOLOGIES CORP; | B22F1/00; C09D11/00; H01B5/14; B22F9/24; | PURIFICATION OF METAL NANOSTRUCTURES FOR IMPROVED HAZE IN TRANSPARENT CONDUCTORS MADE FROM THE SAME |
| WO2012032550 A1 20120315 | WO2010IT00390; | CAMPASOL JOSEP;VIBA S P A; | C08J3/20; C08K3/00; | FLAME RETARDANT MASTERBATCH FOR THERMOPLASTIC POLYMERS AND PROCESS FOR ITS PRODUCTION |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012017118 A1 20120209 | ES20100031204; | CAMPO RODRIGO ANA;CENA CALLEJOVALENTIN;GARCIA MARTINEZ JOAQUIN CALIXTO;GUERRA NAVARRO FRANCISCO JAVIER;HERRERO CHAMORRO MARIA ANTONIA;MERINO GUIJARRO SONIA;NANODRUGS S L 50;PEREZ MARTINEZ FRANCISCO;RODRIGUEZ LOPEZ JULIAN;RUBIO CARRERO NOELIA;SANCHEZ VERDUMA DEL PRADO;UNIV CASTILLA LA MANCHA;VAZQUEZ FERNANDEZ-PACHECO ESTER; | C01B31/02; A61K48/00; | CARBON NANOHORNS COMPRISING DENDRIMERS ON THEIR SURFACE AS NON - VIRALVECTORS FOR GENE THERAPY |
| US2012041146 A1 20120216 | US20100368307P;US 201113192105; | CANADA NAT RES COUNCIL;FPINNOVATION S; | C08H7/00; C08G8/28; C08F8/28; C08G8/24; C08G8/10; C08F261/02; | PHENOL-FORMALDEHYDE POLYMER WITH CARBON NANOTUBES, A METHOD OFPRODUCING SAME, AND PRODUCTS DERIVED THEREFROM |
| US2012013324 A1 20120119 | US20050659481P;US 20050701276P;US200 70908181;US2011132 43150;WO2006IB0051 0; | CANADA NAT RES COUNCIL;UNIV ALBERTA; | H01L35/24; | ELECTROSTATICALLY REGULATED ATOMIC SCALE ELECTROCONDUCTIVITY DEVICE |
| TW201200468 A 20120101 | FI20100005216; | CANATU OY; | B82B3/00; B82Y40/00; | A method for the production of a conformal element, a conformalelement and uses of the same |

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| US2012021191 A1 20120126 | FI20090005076;WO20 10FI50045; | CANATU OY; | B32B38/18; B32B3/14; | STRUCTURES COMPRISING HIGH ASPECT RATIO MOLECULAR STRUCTURES ANDMETHODS OF FABRICATION |
| US2012126458 A1 20120524 | US20090181125P;US 200913322437;WO20 09US49565; | CANNON ANDREW H;KING WILLIAM P; | B29C39/02; B29C33/40; B22D25/02; B29C71/00; B29C71/04; B22C9/00; | CASTING MICROSTRUCTURES INTO STIFF AND DURABLE MATERIALS FROM AFLEXIBLE AND REUSABLE MOLD |
| KR20120039686 A 20120425 | JP20080058404; | CANON ANELVA CORP; | G11C11/15; | PROCESS FOR PRODUCING MAGNETORESISTIVE ELEMENT AND APPARATUS FORPRODUCING MAGNETORESISTIVE ELEMENT |
| KR20120055505 A 20120531 | JP20040259280; | CANON ANELVA CORP;NAT INST OF ADVANCED IND SCIEN; | G11C11/15; H01L43/08; | MAGNETORESISTANCE EFFECT DEVICE AND MRAM |
| US2012119185 A1 20120517 | JP20100256310; | CANON KK; | H01L33/04; | ACTIVE LAYER FOR SILICON LIGHT-EMITTING DEVICES AND METHOD FORMANUFACTURING THE SAME |
| JP2012109360 A 20120607 | JP20100256310; | CANON KK; | C01B21/06; B82B1/00; B82B3/00; C01B31/36; H01L33/34; H01L33/06; | ACTIVE LAYER USED IN SILICON LIGHT- EMITTING ELEMENT AND METHOD OFPRODUCING ACTIVE LAYER |
| JP2012108320 A 20120607 | JP20100257148; | CANON KK; | G02B1/11; | ANTIREFLECTION FILM AND MANUFACTURING METHOD THEREOF |
| US2012126136 A1 20120524 | JP20100259523; | CANON KK; | H01J3/26; | CHARGED-PARTICLE BEAM EXPOSURE APPARATUS AND METHOD OF MANUFACTURINGARTICLE |
| US2012126138 A1 20120524 | JP20100258550; | CANON KK; | H01J3/26; | CHARGED PARTICLE BEAM DRAWING APPARATUS AND ARTICLE MANUFACTURINGMETHOD USING SAME |
| JP2012114123 A 20120614 | JP20100259523; | CANON KK; | H01L21/027; | CHARGED PARTICLE BEAM LITHOGRAPHY APPARATUS, AND ARTICLE MANUFACTURINGMETHOD |
| TW201225145 A 20120616 | JP20100251162; | CANON KK; | H01J37/317; H01J37/147; | Deflector array, charged particle beam drawing apparatus, devicemanufacturing method, and deflector array manufacturing method |

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| KR20120049821 A 20120517 | JP20100251162; | CANON KK; | G03F7/20; H01L21/027; | DEFLECTOR ARRAY, CHARGED PARTICLE BEAM DRAWING APPARATUS, DEVICEMANUFACTURING METHOD, AND DEFLECTOR ARRAY MANUFACTURING METHOD |
| US2012115306 A1 20120510 | JP20100251162; | CANON KK; | H01L21/02; H01J37/305; G21K5/10; H01J3/14; | DEFLECTOR ARRAY, CHARGED PARTICLE BEAM DRAWING APPARATUS, DEVICEMANUFACTURING METHOD, AND DEFLECTOR ARRAY MANUFACTURING METHOD |
| JP2012104610 A 20120531 | JP20100251162; | CANON KK; | H01J37/305; H01J37/147; H01L21/027; | DEFLECTOR ARRAY, CHARGED PARTICLE LITHOGRAPHY APPARATUS, METHOD OFMANUFACTURING DEVICE, METHOD OF MANUFACTURING DEFLECTOR ARRAY |
| US2012107748 A1 20120503 | JP20100244366; | CANON KK; | G21K5/00; G03F7/20; | DRAWING APPARATUS AND METHOD OF MANUFACTURING ARTICLE |
| US2012126459 A1 20120524 | JP20100259293; | CANON KK; | H01J37/30; G01T1/16; H01J3/26; | DRAWING APPARATUS, METHOD OF MANUFACTURING ARTICLE, METHOD OFMANUFACTURING DEFLECTING APPARATUS, AND METHOD OF MANUFACTURING DRAWING APPARATUS |
| JP2012109477 A 20120607 | JP20100258550; | CANON KK; | H01J37/305; H01L21/027; | ELECTRON BEAM LITHOGRAPHY APPARATUS, AND METHOD OF MANUFACTURINGARTICLE BY USING THE SAME |
| JP2012004308 A 20120105 | JP20100137473; | CANON KK; | H01L21/027; H01L21/683; | EXPOSURE DEVICE AND DEVICE MANUFACTURING METHOD |
| JP2012012571 A 20120119 | JP20100129418;JP20 110108565; | CANON KK; | C08J5/18; C08F38/00; | FILM-FORMING METHOD BASED ON LB METHOD |
| JP2012004461 A 20120105 | JP20100139945; | CANON KK; | H01J37/305; H01L21/027; G03F7/20; | IMAGE RENDERING APPARATUS AND DEVICE MANUFACTURING METHOD |
| US2012141659 A1 20120607 | JP20100269468;JP20 110255292; | CANON KK; | B05D5/00; B05C11/00; B05C9/12; | IMPRINT APPARATUS AND ARTICLE MANUFACTURING METHOD |

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| JP2012099790 A 20120524 | JP20100228830;JP20 110157719; | CANON KK; | G11B5/84; H01L21/027; B29C59/02; | IMPRINT DEVICE AND MANUFACTURING METHOD OF ARTICLE |
| JP2012004354 A 20120105 | JP20100138206; | CANON KK; | H01L21/027; B05D3/00; B29C59/02; | IMPRINT METHOD, IMPRINT DEVICE, SAMPLE SHOT EXTRACTION METHOD, AND ARTICLE MANUFACTURING METHOD USING THE SAME |
| CN102360162 A 20120222 | JP20070027168;JP20 070050545; | CANON KK; | G03F9/00; G03F7/00; | Imprinting method and imprinting apparatus |
| TW201206687 A 20120216 | JP20100138206; | CANON KK; | H01L21/02; B29C59/02; | Imprinting method and imprinting apparatus, sample shot extraction method, and article manufacturing method using same |
| JP2012099568 A 20120524 | JP20100244366; | CANON KK; | H01L21/027; | LITHOGRAPHY APPARATUS AND METHOD FOR MANUFACTURING ARTICLE |
| JP2012114114 A 20120614 | JP20100259293; | CANON KK; | H01J37/147; H01J37/305; H01J37/18; H01L21/027; H01J37/16; | LITHOGRAPHY APPARATUS, MANUFACTURING METHOD OF GOODS, MANUFACTURING METHOD OF DEFLECTOR, AND MANUFACTURING METHOD OF LITHOGRAPHY APPARATUS |
| US2012128965 A1 20120524 | JP20100260529; | CANON KK; | B01F17/00; B32B3/26; | MESOPOROUS FILM AND METHOD OF PRODUCING MESOPOROUS FILM |
| JP2012111684 A 20120614 | JP20100245488;JP20 110239025; | CANON KK; | C01G35/00; | METHOD FOR MANUFACTURING TANTALUM OXIDE PARTICLE |
| JP2012076967 A 20120419 | JP20100224952; | CANON KK; | G02B1/11; C01F5/28; | METHOD FOR PRODUCING HOLLOW MAGNESIUM FLUORIDE PARTICLE, ANTIREFLECTION FILM USING THE SAME, AND OPTICAL ELEMENT |
| JP2012111651 A 20120614 | JP20100260529; | CANON KK; | C01B37/00; | METHOD FOR PRODUCING MESOPOROUS FILM AND MESOPOROUS FILM |
| US2012108745 A1 20120503 | JP20100245488; | CANON KK; | G02B1/04; C01G35/00; C08K3/22; | METHOD FOR PRODUCING TANTALUM OXIDE PARTICLES |

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| US2012003502 A1 20120105 | JP20090284553;WO2 010JP72060; | CANON KK; | C09D7/12; C08K13/02; C04B14/30; B32B27/00; | ORGANIC SOLVENT DISPERSION, RESIN COMPOSITION, AND OPTICAL DEVICE |
| US2012056350 A1 20120308 | JP20100198432; | CANON KK; | G03F1/00; B32B3/30; B29C33/42; B29C33/00; | ORIGINAL AND ARTICLE MANUFACTURING METHOD USING SAME |
| JP2012056093 A 20120322 | JP20100198432; | CANON KK; | B29C59/02; H01L21/027; B29C33/38; | ORIGINAL, AND METHOD FOR MANUFACTURING ARTICLE USING THE SAME |
| AT554050T T 20120515 | JP20070203044;JP20 080182301;WO2008J P64259; | CANON KK; | B82Y10/00; G03F7/00; | PR—GEVERFAHREN UND VERFAHREN ZUR VERARBEITUNG EINES SUBSTRATS |
| AT551631T T 20120415 | JP20050257431; | CANON KK; | B81C99/00; B29C59/02; B29C35/08; G03F7/00; B82Y10/00; | PR—GEVERFAHREN ZUR STRUKTURHERSTELLUNG |
| CN102460644 A 20120516 | JP20090144608;WO2 010JP03254; | CANON KK; | C08G59/68; C08G59/24; B29C59/02; H01L21/027; | Resin composition for nanoimprint, and method for forming structure |
| US2012080826 A1 20120405 | JP20090144608;WO2 010JP03254; | CANON KK; | C09D163/02; B29C59/16; | RESIN COMPOSITION FOR NANOIMPRINT, AND METHOD FOR FORMING STRUCTURE |
| US2012115079 A1 20120510 | JP20100251905; | CANON KK; | G03G9/08; | TONER |
| JP2012118511 A 20120621 | JP20100251905;JP20 110231007; | CANON KK; | G03G9/08; | TONER |
| US2012094225 A1 20120419 | JP20070024381;US20 080182031;US201007 16714;US2011132752 50;WO2008JP51648; | CANON KK; | G03G13/20; G03G9/087; G03G9/107; | TWO-COMPONENT DEVELOPER, REPLENISHING DEVELOPER, AND IMAGE- FORMINGMETHOD |
| EP2434522 A1 20120328 | EP20030254334;JP20 020207292;JP200300 22088; | CANON KK;HITACHI LTD; | H01J37/12; B82Y10/00; H01J37/317; G21K1/08; H01J3/14; | Multi-charged beam lens, charged-particle beam exposure apparatususing the same, and device manufacturing method |
| WO2012046394 A1 20120412 | JP20100224952; | CANON KK;KAMENO YU;OGANE MASANOBU;TERAMOTO YOJI; | C01F5/28; G02B1/11; C09D7/12; | METHOD OF PRODUCING HOLLOW MAGNESIUM FLUORIDE PARTICLES, ANDANTIREFLECTION COATING, OPTICAL DEVICE, AND IMAGING OPTICAL SYSTEM HAVING THE PARTICLES |

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| CN102378744 A 20120314 | JP20090087240;WO2 010JP56125; | CANON KK;UNIV YAMANASHI; | H01L41/187; C03B29/00; C04B35/26; C30B30/04; C04B35/468; C30B28/00; | Ceramic, piezoelectric device, and production method thereof |
| KR20120002594 A 20120106 | JP20090087240; | CANON KK;UNIV YAMANASHI; | C04B35/468; C04B35/26; C30B30/04; H01L41/187; | CERAMIC, PIEZOELECTRIC DEVICE, AND PRODUCTION METHOD THEREOF |
| EP2414303 A1 20120208 | JP20090087240;WO2 010JP56125; | CANON KK;UNIV YAMANASHI; | C30B30/04; C04B35/468; C03B29/00; H01L41/187; C30B28/00; C04B35/26; | CERAMIC, PIEZOELECTRIC DEVICE, AND PRODUCTION METHOD THEREOF |
| US2012138886 A1 20120607 | US20100958179; | CAPELLANI ANNALISA;CEA STEPHEN M;CHANG PETER;GILES MARTIN D;KIM SEIYON;KUHN KELIN J;RACHMADY WILLY;RAKSHIT TITASH;RIOS RAFAEL; | H01L29/775; H01L21/336; H01L21/762; H01L29/66; | SILICON AND SILICON GERMANIUM NANOWIRE STRUCTURES |
| US2012122274 A1 20120517 | GB20060022150;US2 0090513408;US20121 3355445;WO2007GB0 4223; | CARBEN SEMICON LTD; | H01L51/40; | ANISOTROPIC SEMICONDUCTOR FILM AND METHOD OF PRODUCTION THEREOF |
| CN102417173 A 20120418 | US20100365031P; | CARBON NANOMETER ACTIVATION TECHNOLOGY CO LTD; | C01B31/02; B01D39/06; B82Y40/00; | Making and using composite material containing nanospheres and devices for water filtration and devices containing such composites |
| TW201219133 A 20120516 | US20100381189P;US 201113205080; | CARESTREAM HEALTH INC; | H01B1/02; B22F9/24; | Nanowire preparation methods, compositions, and articles |
| TW201221252 A 20120601 | US20100415952P;US 201113110977;US201 161429595P; | CARESTREAM HEALTH INC; | B22F9/24; B82B3/00; | Nanowire preparation methods, compositions, and articles |
| US2012128529 A1 20120524 | US20100416425P;US 201113275496; | CARESTREAM HEALTH INC; | C22B5/00; B32B15/02; | NANOWIRE PREPARATION METHODS, COMPOSITIONS, AND ARTICLES |

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| WO2012078273 A2 20120614 | US20100421294P;US 20100423744P;US201 113289065;US201161 488824P;US20116148 8834P;US2011614888 40P;US201161488880 P;US201161488945P; US201161488977P;U S201161488983P;US2 01161494072P;US201 161522741P;US20116 1523977P;US2011615 23987P; | CARESTREAM HEALTH INC;LYNCH DOREEN C;RAMSDEN WILLIAM D;WHITCOMB DAVID R; | C22B34/34; C22B34/32; C22C27/06; C22C27/00; C22B34/12; C22B34/14; C22C16/00; C22C28/00; C22B47/00; C22B34/24; C22B34/36; C22B34/22; C22C22/00; C22C27/04; C22B61/00; C22C27/02; C22C14/00; C22B59/00; | NANOWIRE PREPARATION METHODS, COMPOSITIONS, AND ARTICLES |
| WO2012071117 A1 20120531 | US20100416425P;US 201113275496; | CARESTREAM HEALTH INC;LYNCH DOREEN C;RAMSDEN WILLIAM D;WHITCOMB DAVID R; | B22F1/00; B22F9/24; | NANOWIRE PREPARATION METHODS, COMPOSITIONS, AND ARTICLES |
| WO2012071092 A1 20120531 | US20100415952P;US 201113110977;US201 161429595P; | CARESTREAM HEALTH INC;LYNCH DOREEN C;RAMSDEN WILLIAM D;WHITCOMB DAVID R; | B22F1/00; B22F9/24; | NANOWIRE PREPARATION METHODS, COMPOSITIONS, AND ARTICLES |
| WO2012033594 A1 20120315 | US20100381189P;US 201113205080; | CARESTREAM HEALTH INC;LYNCH DOREEN C;RAMSDEN WILLIAM D;ZHANG JUNPING; | B22F9/24; B22F1/00; | NANOWIRE PREPATATION METHODS, COMPOSITIONS, AND ARTICLES |

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| WO2012078290 A2 20120614 | US20100421302P;US 201113291308; | CARESTREAM HEALTH INC;WHITCOMB DAVID R; | B22F9/16; B82Y40/00; C22C5/06; D02G3/00; B82Y30/00; | NANOWIRE PREPARATION METHODS, COMPOSITIONS, AND ARTICLES |
| WO2012078283 A2 20120614 | US20100421290P;US 201113290510; | CARESTREAM HEALTH INC;WHITCOMB DAVID R; | C22C5/06; D02G3/00; B82Y30/00; C22B11/00; | NANOWIRE PREPARATION METHODS, COMPOSITIONS, AND ARTICLES |
| WO2012078274 A2 20120614 | US20100421284P;US 20100423741P;US201 113290062; | CARESTREAM HEALTH INC;WHITCOMB DAVID R; | C22C9/00; C22C5/02; C22B15/00; C22C5/06; C22B11/00; | NANOWIRE PREPARATION METHODS, COMPOSITIONS, AND ARTICLES |
| KR20120035124 A 20120413 | US20100389382P; | CARL ZEISS SMS LTD; | H01L21/027; | METHOD AND APPARATUS FOR THE DETERMINATION OF LASER CORRECTING TOOLPARAMETERS |
| JP2012088712 A 20120510 | US20100389382P; | CARL ZEISS SMS LTD; | G03F1/00; H01L21/027; | METHOD AND DEVICE FOR DETERMINING LASER CORRECTION TOOL PARAMETER |
| DE102011083774 A1 20120405 | US20100389382P; | CARL ZEISS SMS LTD; | G03F7/20; G03F1/72; H01S3/00; | Verfahren und Vorrichtung zum Bestimmen von Laser korrigierenden Tool-Parametern |

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| US2012110885 A1 20120510 | FI20090000277;FI200 90000369;FI20100000 126;WO2010FI00046; | CARREL INNOVATIONS OY; | F41A21/00; B21B19/00; F41A21/02; F41A21/18; B21D53/00; | METHOD FOR PRODUCING A GUN BARREL, DEVICE FOR PRODUCING A GUN BARRELAND A GUN BARREL |
| WO2012054504 A2 20120426 | US20100394293P; | CARROLL DAVID L;UNIV WAKE FOREST; | H01L35/22; C01B31/02; H01L35/26; H01L31/058; H01L35/32; | THERMOELECTRIC APPARATUS AND APPLICATIONS THEREOF |
| WO2012008963 A1 20120119 | WO2010US42099; | CASASANTA VINCENZO;EMPIRE TECHNOLOGY DEV LLC; | B01D51/02; B82B1/00; B01D43/00; B82B3/00; H05H1/46; B01D49/00; | NANOPARTICLE FILTER |
| US2012001145 A1 20120105 | WO2008IT00827; | CASELLATO CRISTINA;MAGISTRETTI MICHELE;PETRUZZA PIETRO;SCIARRILLO SAMUELE; | H01L21/20; H01L45/00; | AVOIDING DEGRADATION OF CHALCOGENIDE MATERIAL DURING DEFINITION OFMULTILAYER STACK STRUCTURE |
| US2012052114 A1 20120301 | US20100402131P;US 201113216079; | CASTOR TREVOR PERCIVAL; | A61K9/127; A61K31/713; B01J13/02; | APPARATUS AND METHODS FOR MAKING NANOSOMES LOADED WITH NUCLEIC ACID |
| WO2012037505 A2 20120322 | US20100383452P;US 20100392670P;US201 00420035P; | CASTRACANE JAMES;JEAN-GILLES RIFFARD;LARSEN MELINDA;SEQUEIRA SHARON;SOSCIA DAVID;UNIV NEW YORK STATE RES FOUND; | C12N5/00; D01D5/00; B82Y30/00; D04H1/728; G01N33/50; | POLYMERIC SUPPORT WITH NANOFEATURES FOR CELL CULTURE |
| US2012111231 A1 20120510 | JP20050340617;US20 080085367;US201213 352870;WO2006JP32 2961; | CATALYSTS & CHEM IND CO; | C09D133/08; C08K7/26; C08K3/36; C09D7/12; C09D1/00; | METHOD OF PRODUCING HOLLOW SILICA MICROPARTICLES |

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| WO2012007527 A2 20120119 | SE20100050803;US20 100364989P; | CAVAZZA GILBERT;CUNNINGHAM ERIC;DETRY AURELIEN;MOELLER PATRIK;RAYNAUD NICOLAS;REPLISAURUS GROUP SAS;SVENSSON STEFAN;UTTERBAECK TOMAS; | G03F7/00; G05B19/19; | METHODS AND SYSTEMS FOR DETECTING, SETTING, MONITORING, DETERMINING, STORING AND COMPENSATING THE SPATIAL SITUATION OF A MOBILE UNIT |
| US2012090982 A1 20120419 | US20100455211P;US 201113317280; | CEDAR RIDGE RESEARCH LLC; | B01J19/08; B01J19/12; C01B31/02; | System and method for producing graphene |
| AT553064T T 20120415 | FR20060001483;WO2 007FR00287; | CENTRE NAT RECH SCIENT; | B82B3/00; | ANLAGE UND VERFAHREN FÜR NANOPRODUKTION |
| AT554206T T 20120515 | FR20040011605;WO2 005FR02679; | CENTRE NAT RECH SCIENT; | D01F11/12; D06M15/00; D06M23/16; | AUS KARBONNANORÖHRCHEN UND KOLLOIDPARTIKELN GEWONNENE VERBUNDFASERNUND ASYMMETRISCHE FASERN |
| US2012121516 A1 20120517 | FR20090055001;WO2 010FR51439; | CENTRE NAT RECH SCIENT; | A61P35/00; A61K49/22; A61K31/7088; A61K9/14; | Emulsion Activatable by Ultrasounds and Method for Producing Same |
| FR2963355 A1 20120203 | FR20100056336; | CENTRE NAT RECH SCIENT; | H01L31/042; C09D125/08; C09D105/00; H01L51/30; G03F1/00; C09D153/00; | FILMS MINCES NANOORGANISES A BASE DE COPOLYMERES A BLOCS POLYSACCHARIDIQUES POUR DES APPLICATIONS EN NANOTECHNOLOGIE. |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| FR2962353 A1 20120113 | FR20100055653; | CENTRE NAT RECH SCIENT; | B05D1/38; B82Y40/00; | Glass substrate preparing method for bottom-up micro and nano systems, involves depositing nanoparticles on dry hydrogel that is covalently bound to glass substrate and structured according to pattern and self-assembling nanoparticles |
| KR20120029462 A 20120326 | FR20090002736; | CENTRE NAT RECH SCIENT; | C01G1/02; C01G11/00; C01G9/02; C01G51/04; | METHOD FOR PREPARING A WATER-COMPATIBLE COMPOSITION OF METAL OXIDENANOCRYSTALS |
| EP2438013 A1 20120411 | FR20090002736;WO2 010FR51103; | CENTRE NAT RECH SCIENT; | C01G9/02; C01G25/02; C01G19/02; C01G27/02; C01G23/04; C01G15/00; C01G17/02; C01G29/00; C01G49/02; C01G51/04; C01G11/00; C01G1/02; | METHOD FOR PREPARING A WATER-COMPATIBLE COMPOSITION OF METAL OXIDENANOCRYSTALS |
| US2012161076 A1 20120628 | FR20090002736;WO2 010FR51103; | CENTRE NAT RECH SCIENT; | C09K11/06; C07F3/06; | METHOD FOR PREPARING A WATER-COMPATIBLE COMPOSITION OF METAL OXIDENANOCRYSTALS AND THE WATER-COMPATIBLE COMPOSITION OBTAINED |
| KR20120036338 A 20120417 | FR20090002738; | CENTRE NAT RECH SCIENT; | B82B3/00; B01J13/00; B22F9/18; B22F9/24; | METHOD FOR PREPARING AN ORGANIC-COMPATIBLE AND WATER-COMPATIBLE COMPOSITION OF METAL NANOCRYSTALS, AND RESULTING COMPOSITION |
| EP2437878 A1 20120411 | FR20090002738;WO2 010FR51106; | CENTRE NAT RECH SCIENT; | B22F9/18; B22F9/24; B01J13/00; | METHOD FOR PREPARING AN ORGANIC-COMPATIBLE AND WATER-COMPATIBLE COMPOSITION OF METAL NANOCRYSTALS, AND RESULTING COMPOSITION |
| US2012107221 A1 20120503 | FR20080006869;WO2 009FR52409; | CENTRE NAT RECH SCIENT; | D01F9/127; B05D3/04; | METHOD FOR THE SYNTHESIS OF CARBON NANOTUBES ON LONG PARTICULATE MICROMETRIC MATERIALS |

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| US2012032123 A1 20120209 | FR20090000126;WO2 010FR50011; | CENTRE NAT RECH SCIENT; | G11B7/249; C09K3/00; | PHOTOCHROMIC COMPOSITE MATERIAL |
| FR2968125 A1 20120601 | FR20100059802; | CENTRE NAT RECH SCIENT; | H01L29/739; H01L21/8232; | PROCÉDÉ DE FABRICATION D'UN DISPOSITIF DE TRANSISTOR A EFFET DE CHAMPIMPLÉMENT SUR UN RESEAU DE NANOFILS VERTICAUX, DISPOSITIF DE TRANSISTOR RESULTANT, DISPOSITIF ÉLECTRONIQUE COMPRENANT DE TELS DISPOSITIFS DE TRANSISTORS, ET PROCESSEUR COMPRENANT AU MOINS UN TEL DISPOSITIF ÉLECTRONIQUE |
| US2012094479 A1 20120419 | FR20090001464;WO2 010EP53839; | CENTRE NAT RECH SCIENT;COMMISSARIAT ENERGIE ATOMIQUE; | H01L21/768; | METHOD FOR MAKING ELECTRICAL INTERCONNECTIONS WITH CARBON NANOTUBES |
| JP2012025652 A 20120209 | FR20100055937; | CENTRE NAT RECH SCIENT;COMMISSARIAT ENERGIE ATOMIQUE; | B82B3/00; B82Y30/00; B82B1/00; C01B31/02; B82Y40/00; | METHOD FOR MANUFACTURING STRUCTURE EQUIPPED WITH GRAPHENE SHEETPROVIDED WITH METAL PIN, STRUCTURE ACQUIRED BY THE METHOD AND USE OF THE STRUCTURE |
| EP2412019 A1 20120201 | FR20090001464;WO2 010EP53839; | CENTRE NAT RECH SCIENT;COMMISSARIAT ENERGIE ATOMIQUE; | H01L21/768; H01L21/288; | METHOD FOR PRODUCING ELECTRICAL INTERCONNECTIONS MADE OF CARBONNANOTUBES |
| US2012040145 A1 20120216 | FR20100055937; | CENTRE NAT RECH SCIENT;COMMISSARIAT ENERGIE ATOMIQUE; | C23C16/26; H01L31/02; B23P19/00; B32B3/30; C25B9/00; | METHOD OF MANUFACTURING A STRUCTURE COMPRISING A GRAPHENE SHEETPROVIDED WITH METAL PINS, STRUCTURE THUS OBTAINED AND USE THEREOF |
| US2012125856 A1 20120524 | FR20090053379;WO2 010EP57009; | CENTRE NAT RECH SCIENT;COMMISSARIAT ENERGIE ATOMIQUE;UNIVMONTLIE R II; | C02F1/28; B05D3/10; G21F9/16; C09K3/00; B05D3/00; B05D1/38; | NANOCOMPOSITE SOLID MATERIAL BASED ON HEXA- AND OCTA-CYANOMETALLATES,METHOD FOR THE PREPARATION THEREOF AND METHOD FOR FIXING MINERAL POLLUTANTS USING SAID MATERIAL |

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| WO2012035072 A1 20120322 | FR20100057296; | CENTRE NAT RECH SCIENT;DEXPERT JEANNETTE;LECHEVALIER SEVERINE;MARCHIN LOIC;MAURICOT ROBERT;OSSENI SEMIYOU AYELE;PYLOTE;UNIV TOULOUSE;VERELST MARC; | C09K11/02; C09K11/77; B82Y15/00; B82Y30/00; | LUMINESCENT NANOPARTICLES USABLE AS MARKERS, AND METHOD FOR PREPARINGSAME |
| EP2414439 A1 20120208 | WO2009FR00373; | CENTRE NAT RECH SCIENT;HUTCHINSON;UNIV PASTEUR; | C08J7/04; C09D165/00; C08L65/00; C08J5/00; C08J5/18; C08J3/215; H01L51/44; | TRANSPARENT CONDUCTIVE FILMS OR COATINGS |
| US2012092758 A1 20120419 | FR20090000695;WO2010FR00128; | CENTRE NAT RECH SCIENT;INST FRANCO ALLEMAND DE RECH DE SAINT LOUIS; | G02B5/20; G02F1/355; D01F9/12; | NANOCOMPOSITES, METHOD FOR PRODUCING SAME, AND USE THEREOF IN DEVICESFOR PROTECTING AGAINST ELECTROMAGNETIC WAVES |
| US2012093795 A1 20120419 | EP20090305647;WO2010EP59507; | CENTRE NAT RECH SCIENT;INST NAT SANTE RECH MED;UNIV MONTPELLIER II;UNIVMONTPELLIER 1; | A61P43/00; A61K38/48; C07H15/04; A61K38/47; C12N9/96; C07H15/26; | COMPOUNDS TARGETING THE CATION-INDEPENDENT MANNOSE 6-PHOSPHATE RECEPTOR |
| WO2012069606 A2 20120531 | FR20100059802; | CENTRE NAT RECH SCIENT;LARRIEU GUILHEM; | H01L29/775; H01L29/06; B82Y40/00; H01L21/335; H01L29/423; B82Y10/00; | PROCESS FOR FABRICATING A FIELD-EFFECT TRANSISTOR DEVICE IMPLEMENTED ON A NETWORK OF VERTICAL NANOWIRES, THE RESULTING TRANSISTOR DEVICE, AN ELECTRONIC DEVICE COMPRISING SUCH TRANSISTOR DEVICES AND A PROCESSOR COMPRISING AT LEAST ONE SUCH DEVICE |

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|-----------------------------|---|--|--|--|
| FR2966815 A1 20120504 | FR20100058904; | CENTRE NAT RECH SCIENT;LORRAINE INST NAT POLYTECH;UNIV NANCY 1 HENRI POINCARE; | B82B3/00; C01B31/02; | METHODE DE PURIFICATION DE NANOTUBES DE CARBONE |
| FR2964654 A1 20120316 | FR20100057297; | CENTRE NAT RECH SCIENT;PYLOTE;UNIV TOULOUSE; | C01F7/02; | Preparing modified metal oxide nanoparticles dispersible in organic medium, comprises reacting aqueous composition of boehmite nanoparticles with functionalizing agent, and recovering modified metal oxide nanoparticles |
| US2012049118 A1 20120301 | US20080141564P;US 200913142756;WO20 09US69538; | CENTRE NAT RECH SCIENT;SAINT GOBAIN CERAMICS; | C09K11/78; | CERAMIC SCINTILATOR BODY AND SCINTILLATION DEVICE |
| US2012085972 A1 20120412 | US20080141570P;US 200913142763;WO20 09US69539; | CENTRE NAT RECH SCIENT;SAINT GOBAIN CERAMICS; | C09K11/78; | CERAMIC SCINTILLATOR BODY AND SCINTILLATION DEVICE |
| TW201210985 A 20120316 | FR20100001865; | CENTRE NAT RECH SCIENT;THALES SA; | C04B35/584; C04B35/626; C04B35/19; | Process for manufacturing a ceramic composite based on silicon nitrideand beta-eucryptite |
| US2012085975 A1 20120412 | EP20060292048;US20 070881509P;US20090 519853;US201113267 135;WO2007EP09969; | CENTRE NAT RECH SCIENT;UMICORE NV; | H01B1/00; | Synthesis of Crystalline Nanometric LiFeMPO4 |
| EP2456548 A1 20120530 | FR20090055023;WO2 010FR51520; | CENTRE NAT RECH SCIENT;UNIV BOURGOGNE; | B01J19/26; B01J2/02; B01J19/24; C01B13/18; B01J2/06; | PARTICLE SYNTHESIS BY MEANS OF THE THERMAL HYDROLYSIS OF MINERALPRECURSORS |
| US2012164049 A1 20120628 | FR20090054263;WO2 010FR51254; | CENTRE NAT RECH SCIENT;UNIV CLAUDE BERNARD LYON; | C07F9/02; C07F5/00; C01F17/00; | METHOD FOR PREPARING RARE EARTH FLUORIDE NANOPARTICLES |
| EP2445838 A1 20120502 | FR20090054263;WO2 010FR51254; | CENTRE NAT RECH SCIENT;UNIV CLAUDE BERNARD LYON; | C01F17/00; B01J13/00; | METHOD FOR PREPARING RARE EARTH FLUORIDE NANOPARTICLES |

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|-----------------------------|--|--|--|---|
| FR2962121 A1 20120106 | FR20090005252;FR20 100002719; | CENTRE NAT RECH SCIENT;UNIV STRASBOURG; | B82B3/00; C01B31/02; | PREPARATION DE GRAPHENE PAR AMINCISSEMENT MECANIQUE DE MATERIAUX GRAPHITIQUES |
| US2012117863 A1 20120517 | US20100412826P;US 201113295382; | CERION TECHNOLOGY INC; | C10L5/36; C01F17/00; | CERIUM CONTAINING NANOPARTICLES PREPARED IN NON-POLAR SOLVENT |
| WO2012024793 A1 20120301 | US20100369589P; | CETINBAS MURAT;CHAN JAYNA;JOHANSSON TOM;KUBIK PHILIP;LEACH GARY;MCCAGUE CLAIRE;MCNAB FINLAY;PATTANTYUS- ABRAHAM ANDRAS;QIAO HAIJUN;QUANTUM SOLAR POWER CORP;ZHANG XIN; | B82Y15/00; H01L31/04; G02B27/00; H01L49/00; | APPARATUS FOR MANIPULATING PLASMONS |
| US2012118377 A1 20120517 | KR20100114029; | CHA SI- YOUNG;KANGMOON- SUNG;KIM CHANG- WOOK;LEE JI-WON;PARK DO-YOUNG;PARK JAE- HYOUNG;SHIN BYONG- CHEOL; | H01L31/0232; | DYE-SENSITIZED SOLAR CELL |
| US2012070713 A1 20120322 | US20100385285P;US 201113239483;US201 161532598P; | CHAMBERS JEFFREY K;SHAHEJAS R;TIMMONS JOHN R;WHEAR J KEVIN; | H01M2/16; H01M2/18; H01M2/02; C08L89/00; H01M4/00; | SEPARATORS, BATTERIES, SYSTEMS, AND METHODS FOR IDLE START STOPVEHICLES |
| WO2012001500 A1 20120105 | US20100360162P; | CHAN BEE ENG MARY;DAI ZHI;TAN YUQIAN TINA;UNIV NANYANG TECH;YAN LIANGYU; | H01L21/335; B82Y40/00; C01B31/02; B82Y10/00; H01L29/772; | QUINONE RADICALS FOR ENRICHING SPECIFIC SPECIES OF CARBON NANOTUBES |

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| WO2012036641 A1 20120322 | US20100383905P; | CHAN BEE ENG MARY;UNIV NANYANG TECH;YAN LIANGYU; | C08L5/08; C01B31/02; B82Y40/00; H01L29/739; | METHOD FOR DISPERSING CARBON NANOTUBES USING CHONDROITIN SULFATECATION SALT |
| US2012156135 A1 20120621 | US20080103034P;US 200913122654;WO20 09US59746; | CHAN JULIANA M;FAROKHZAD OMID C;GAO WEIWEI;LANGER ROBERT S;SALVADOR- MORALES CAROLINA;ZHANG LIANGFANG; | C08G63/91; A61K49/00; A61K31/765; | PARTICLES WITH MULTIPLE FUNCTIONALIZED SURFACE DOMAINS |
| US2012028795 A1 20120202 | US20080118248P;US 20080119527P;US200 80121508P;US201113 115734;WO2009US65 935; | CHAN SIU-WAI;LIANG HONGYING; | B01D53/94; B01J21/06; C07C5/03; C01B31/18; B01D53/86; C07D307/08; B01J23/44; B01J23/63; | Methods For Producing Nanoparticles Using Palladium Salt And UsesThereof |
| WO2012037667 A1 20120329 | US20100386107P; | CHAN WARREN;CHOU LEO;PERRAULT STEVEN;UNIV TORONTO; | A61K9/14; B22F1/00; G01N33/53; C09K11/02; B01J2/00; G01N33/58; | SYNTHESIS OF FLUORESCENT NOBLE METAL NANOPARTICLES |
| US2012001365 A1 20120105 | TW20100121380; | CHANG FUH-YU; | B29C59/02; | CLAMPING DEVICE OF MICRO-NANO IMPRINT PROCESS AND THE METHOD THEREOF |
| US2012126447 A1 20120524 | TW20100139717; | CHANG FUH-YU; | B29C33/42; B29C59/02; | MICRO/NANO IMPRINT MOLD OF THE FABRICATING PROCESS AND THE METHOD OFFABRICATING HIGH ASPECT RATIO ANTI- ETCH STRUCTURE BY UTILIZING THEREOF |
| WO2012000049 A1 20120105 | AU20100902900; | CHANG HAN KWON;COMMW SCIENT IND RES ORG;JANG HEE DONG;KOREA INST GEOSCIENCE & MINERA;LIM KOK SENG;NIKOLOV JONIAN; | B05B7/06; C23C4/12; B05B7/20; | DROPLET GENERATION SYSTEM AND METHOD |

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| US2012021139 A1 20120126 | KR20050104511;US20060592062;US201113244025; | CHANG JAE-HYUK;HONG MUN-PYO;ROH NAM-SEOK; | B29B13/08; B05D5/00; H05H1/24; | MANUFACTURING METHOD OF DISPLAY DEVICE AND MOLD THEREFOR |
| US2012063990 A1 20120315 | TW20100131126; | CHANG SHU-HAO;CHIANG MING-YI;TUAN HSING-YU; | C01G15/00; C01B19/00; | METHOD FOR FORMING GRANULAR POLYNARY NANO COMPOUND |
| CN102423704 A 20120425 | CN20111323887; | CHANGCHUN APPLIED CHEMISTRY; | H01M4/92; B01J23/44; B82Y40/00; | Method for preparing palladium nano catalyst used for direct methanoicacid fuel cell |
| CN102381694 A 20120321 | CN20101534537; | CHANGCHUN JINNENG LITHIUM BATTERY TECHNOLOGY CO LTD; | B82Y40/00; C01B25/45; | Lithium ion battery electrode material synthesized by usingfull-solution process |
| CN102382816 A 20120321 | CN20111272656; | CHANGLONG HAO;CHUANLAI XU;LIBING WANG; | B22F9/24; B82Y40/00; C12N15/10; | Preparation method for chiral self-assembly material |
| CN202226664U U 20120523 | CN20112344133U; | CHANGZHOU NUORUIGE NANO TECHNOLOGY CO LTD; | C01B33/02; B82Y40/00; | Production system for preparing water-soluble nanometer silicaparticles |
| US2012115071 A1 20120510 | FR20090054726;WO2010FR51325; | CHANTAL CHAPEL; | H01M10/00; C25B15/00; H01M4/38; H01M10/02; H01M4/86; C25B9/00; H01M4/583; H01M4/02; | SYSTEM FOR CONVERTING ENERGY WITH AN ENHANCED ELECTRIC FIELD |
| US2012119420 A1 20120517 | GB20060022074; | CHARTIER THIERRY;CUEILLE CHRISTOPHE;PAGNOUX CECILE;ROSSIGNOL FABRICE;SUN WAI ADRIAN;ZHANG WEN; | B28B3/00; B05D7/00; | Nano metric composite ceramic component |
| US2012125422 A1 20120524 | KR20100117096; | CHASI-YOUNG;KANG MOON-SUNG;KIM MYUNG-SEOP;LEE JI-WON;SHIN BYONG-CHEOL; | H01L31/0224; H01G9/022; H01L51/44; | GEL ELECTROLYTE FOR DYE SENSITIZED SOLAR CELL AND DYE SENSITIZED SOLARCELL INCLUDING THE GEL ELECTROLYTE |

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| US2012135052 A1 20120531 | FR20090002738;WO2 010FR51106; | CHAUDRET BRUNO;GAUFFRE- GUIRARDEL FABIENNE;KAHN MYRTIL;MINGOTAUD CHRISTOPHE;RUBIO- GARCIA JAVIER;SALIBA SARMENIO; | A61K47/18; A61K9/08; A61K47/14; | METHOD FOR PREPARING AN ORGANIC- COMPATIBLE AND WATER- COMPATIBLE COMPOSITION OF METAL NANOCRYSTALS, AND RESULTING COMPOSITION |
| US2012097224 A1 20120426 | US20100910929; | CHE YONG;GUO WEI;JIN YU;LIU BING; | H01L31/0352; H01L31/18; | NON-VACUUM METHOD FOR FABRICATION OF A PHOTOVOLTAIC ABSORBER LAYER |
| WO2012028825 A1 20120308 | FR20100056918; | CHEHIMI MOHAMED MEHDI;GAM-DEROUCHE SARRA;MADANI AHMED;UNIV PARIS; | C08F2/38; C08F292/00; B01D15/38; C08F4/40; C08F2/48; | ULTRA-THIN FILMS OF MOLECULARLY IMPRINTED POLYMERS CONFINED TO THE SURFACE OF A SUBSTRATE |
| BE1019067 A3 20120207 | KR20080125453; | CHEIL IND INC; | B01J37/03; C01B31/02; B01J37/02; B01J35/02; B01J21/04; B01J23/88; B01J35/00; | METAAL NANOKATALYSATOR, WERKWIJZE VOOR HET VERVAARDIGEN ERVAN EN WERKWIJZE VOOR HET BEHEERSEN VAN DE GROEITYPES KOOLSTOF NANOBUIZEN DOOR HET GEBRUIK ERVAN. |
| US2012039783 A1 20120216 | DE200910001204;WO 2010EP52108; | CHEM FAB BUDENHEIM KG; | C01B25/37; B32B5/16; C01B25/45; | PRODUCTION OF IRON ORTHOPHOSPHATE |
| EP2401228 A1 20120104 | DE200910001204;WO 2010EP52108; | CHEM FAB BUDENHEIM KG; | C01B25/37; | PRODUCTION OF IRON ORTHOPHOSPHATE |
| US2012164196 A1 20120628 | WO20091B52540; | CHEMYUNION QUIMICA LTDA; | A61Q5/12; A61Q5/00; A61Q5/08; A61Q5/10; A61K8/64; A61K8/02; A61Q5/06; C07K14/435; | SERICIN CATIONIC NANOPARTICLES FOR APPLICATION IN PRODUCTS FOR HAIR AND DYED HAIR |
| SE1001131 A1 20120525 | SE20100001131; | CHEN CHIA- HSIANG;CHEN HAN- YI;LIUKUO-LIANG;SU HUAN-CHIEH;YEW TRI- RUNG; | B81B7/00; B25J7/00; | nanoLegoTronics: En 3-dimensionell nanoteknologisk pick&place plattform |

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| US2012118386 A1 20120517 | TW20100139328; | CHEN CHIA-HSIANG;CHEN HAN-YI;LIUKUO-LIANG;SU HUAN-CHIEH;YEW TRI-RUNG; | H01L31/02; H01B1/08; | P-TYPE TRANSPARENT CONDUCTIVE OXIDES AND SOLAR CELLS WITH P-TYPE TRANSPARENT CONDUCTIVE OXIDES |
| US2012064409 A1 20120315 | US20100807635; | CHEN GUORONG;FANG QING;JANG BOR Z;SHI JINJUN;ZHAMU ARUNA; | H01M4/50; H01M4/525; H01M4/583; H01M4/485; H01B1/04; H01M4/505; | Graphene-enhanced anode particulates for lithium ion batteries |
| ITMI20102295 A1 20120616 | IT2010MI02295; | CHEN HOU-YU;CHEN MIN-CHENG;LIN CHIA-YI; | B82Y10/00; B82Y40/00; G03F7/0002 | METODO PER LA REALIZZAZIONE DI STRUTTURE COMPLESSE SU SCALAMICROMETRICA O NANOMETRICA, E STRUTTURA COMPLESSA COSI' OTTENUTA |
| US2012146161 A1 20120614 | TW20100143262; | CHEN HOU-YU;CHEN MIN-CHENG;LIN CHIA-YI; | H01L21/283; H01L29/772; | NANOWIRE FABRICATION METHOD AND SEMICONDUCTOR ELEMENT USING NANOWIRE FABRICATED THEREBY |
| US2012097917 A1 20120426 | US20100387540P;US 201113245138; | CHEN JIAJUN;WANG KAI;ZHOU WEILIE; | H01L29/06; | Aligned, Coated Nanowire Arrays for Gas Sensing |
| US2012052289 A1 20120301 | CN20071305309;WO2 008US86760; | CHEN JINYU;CHEN XUE-HUA;JING NAIYONG;SUN RUO-NI;XIE XIAOLING;YU ZHIGANG; | C09D5/00; B05D5/00; B32B5/16; B05D1/00; | REMOVABLE ANTIFOGGING COATINGS, ARTICLES, COATING COMPOSITIONS, AND METHODS |
| US2012003328 A1 20120105 | CN20091001369;WO2 010CN00032; | CHEN JIXIN;CHEN WENBO;CHI YUFENG;LESHENG;LV GUANGLIE;MA ZHONGCHAO;XIA ZHIGUO;XU NIAN;ZHENG HAIHUI; | B32B5/16; A61P1/00; A61P1/12; A61P17/00; A61P1/16; A61P1/04; A61K33/12; A61P5/14; C01B33/40; A61P13/12; | MODIFIED SODIUM-MONTMORILLONITE, PREPARATION METHOD AND USES THEREOF |
| WO2012086697 A1 20120628 | JP20100284163; | CHEN MINGWEI;FUJITA TAKESHI;LANG XINGYOU;UNIV TOHOKU; | B82Y30/00; H01M4/66; H01M4/139; H01G9/058; H01M4/13; C01G45/00; C01G19/00; | NANOPOROUS CERAMIC COMPOSITE METAL |

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| US2012148483 A1 20120614 | US20100369891P;US 20100418060P;US201 113196452; | CHEN RONGRONG;GUO JUNSONG; | B01J31/32; B01J31/26; B01J31/34; C01B15/01; B01J31/28; | MACROCYCLE MODIFIED AG NANOPARTICULATE CATALYSTS WITH VARIABLE OXYGENREDUCTION ACTIVITY IN ALKALINE MEDIA |
| US2012080218 A1 20120405 | TW20100133392; | CHEN TZU- YING;CHENCHIU- FANG;CHIOU DA- REN;HUNG WEI-CHE;LIN SHIH-YUEH; | H05K1/00; H05K1/09; H05K1/02; G03F7/20; | TRANSPARENT CONDUCTIVE FILM HAVING HIGH OPTICAL TRANSMITTANCE ANDMETHOD FOR MANUFACTURING THE SAME |
| WO2012019309 A1 20120216 | CA20102712051;US20 100373174P; | CHEN WEIXING;CUI XINWEI;UNIV ALBERTA; | C01B31/02; B01J23/74; | METHOD OF FABRICATING A CARBON NANOTUBE ARRAY |
| US2012088106 A1 20120412 | CN20091151003;US2 0090236672P;US2010 13378182;WO2010US 40524; | CHEN XUE- HUA;DEVASENAPATHI APPUSWAMY;FRANCIS CECIL V;JING NAIYONG;LEGATT MICHELLE L;LIU WEI DE;RIDDLE JUSTIN A;THEIVANAYAGAM CHAIRMAN DEIVARAJ;TIERS GEORGE VAN DYKE;XI BANGWEI;YU ZHIGANG; | B05D5/06; B32B17/06; C09D7/12; B05D5/00; | Hydrophilic Coatings, Articles, Coating Compositions and Methods |
| US2012132346 A1 20120531 | US20080141942P;US 200913142770;WO20 09US69680; | CHEN YAOHONG;KITANO HIDEKI;RACKAITIS MINDAUGAS;WANG XIAORONG; | B29D30/00; C08F8/00; C08L21/00; | Core-First Nanoparticle Formation Process, Nanoparticle, AndComposition |
| US2012165574 A1 20120628 | TW20100140505; | CHEN YI-ZHEN;HSUEH MAO-LIN;SHIH KUO- CHEN;YEH CHENG- WEI;YEHHSIAO-CHUN; | C08F292/00; C08F30/02; C07C45/68; C07C15/24; C07C41/30; B01J31/06; C07C15/14; | Catalyst carrier, catalyst thereon and C-C coupling method use the same |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012021433 A1 20120216 | US20100856392; | CHEN YUNG- TIN;SANDISK 3D LLC;SCHEUERLEIN ROY E; | H01L21/033; H01L21/308; H01L27/24; H01L27/102; H01L21/3213; H01L21/329; H01L27/06; H01L21/311; B82Y10/00; H01L21/768; G03F7/00; H01L29/861; | METHOD FOR FORMING A THREE- DIMENSIONAL MEMORY ARRAY USING IMPRINTLITHOGRAPHY, MASK THEREFOR, AND MEMORY DEVICE OBTAINED THEREBY |
| CN202201719U U 20120425 | CN20112354164U; | CHENGDU ZHILIDA TECHNOLOGY CO LTD; | B82Y40/00; C01F11/18; | Nanometer calcium carbonate reactor |
| US2012165482 A1 20120628 | TW20100145161; | CHENYI-ZHEN;HSUEH MAO-LIN;SHIH KUO- CHEN;YEH CHENG-WEI; | C08F30/02; B01J27/14; C07D317/34; C08F292/00; | CARBON NANOMATERIAL-SUPPORTED CATALYST AND APPLICATION THEREOF INCYCLIC CARBONATE SYNTHESIS |
| US2012012778 A1 20120119 | NZ20080573797;WO2 009NZ00297; | CHEONG SOSHAN;REN JINTIAN;TILLEY RICHARD DAVID; | H01F1/33; | Magnetic Nanoparticles |
| CN102424379 A 20120425 | CN20111279096; | CHERY AUTOMOBILE CO LTD; | C01B31/02; B82Y40/00; | Preparation method of high-dispersibility carbon nanotube |
| CN102522534 A 20120627 | CN20121004768; | CHERY AUTOMOBILE CO LTD; | H01M10/0525; B82Y40/00; B82Y30/00; H01M4/38; | Silicon-carbon composite material with high specific capacity,preparation method of silicon- carbon composite material, lithium ion battery anode material and lithium ion battery |
| WO2012015779 A1 20120202 | US20100846913; | CHI CHANGZAI;COHEN GORDON MARK;DU PONT;MAHAJANSURBHI; RAGHAVANPILLAI ANILKUMAR; | C09C1/30; C07F7/18; C08K9/06; B82Y30/00; | SILANE COMPOSITIONS FOR POLYESTER NANOCOMPOSITES |

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| SG178527 A1 20120329 | US20090275093P;WO 2010US46643; | CHICHEARNAUD DAVID HENRI;DORSCHU MARKO;DULLAERT KONRAAD ALBERT LOUISE HECTOR; | B22F1/0025; B22F9/24; B82Y30/00; B22F2999/00 | METHODS FOR CONTROLLING METAL NANOSTRUCTURES MORPHOLOGY |
| US2012137885 A1 20120607 | EP20090165497;EP20 100164875;WO2010E P60235; | CHICHEARNAUD DAVID HENRI;DORSCHU MARKO;DULLAERT KONRAAD ALBERT LOUISE HECTOR; | B01D69/12; B01D71/56; B01D67/00; B01D69/02; | NANOFIBRE MEMBRANE LAYER FOR WATER AND AIR FILTRATION |
| US2012001150 A1 20120105 | US20070968154;US20 1113235409; | CHIEN WU-YI;HOU KUN;MAKALARAGHUEE R S;NIAN YIBO;SCHRICKE APRIL D;ZHANG JINGYAN; | H01L29/16; H01L21/20; | MEMORY CELL THAT EMPLOYS A SELECTIVELY FABRICATED CARBON NANOTUBEREVERSIBLE RESISTANCE-SWITCHING ELEMENT AND METHODS OF FORMING THE SAME |
| US2012090685 A1 20120419 | US20100393732P;US 201113273753; | CHIN BYUNG D;FORREST STEPHEN R;JEON SOON O;LASSITER BRIAN E;LEE JUN Y;YOOKKYOUNG S; | H01L51/46; H01L51/44; H01L51/48; | MATERIALS FOR CONTROLLING THE EPITAXIAL GROWTH OF PHOTOACTIVE LAYERSIN PHOTOVOLTAIC DEVICES |
| CN102320632 A 20120118 | CN20111246618; | CHINA NAFINE GROUP INTENAT CO LTD; | C01F5/22; C01F11/18; C01F11/46; B82Y40/00; C01D3/06; | Method for preparing high-purity magnesium hydroxide and nanometercalcium carbonate as co-product from salt lake brine |
| CN102417202 A 20120418 | CN20111257646; | CHINA RES INST OF DAILY CHEMICAL INDUSTRY; | B82Y40/00; C01G9/02; | Vapor phase method for modifying nano zinc oxide |
| CN102502789 A 20120620 | CN20111311093; | CHINESE ACAD INST CHEMISTRY; | B82Y40/00; H01M4/485; C01G17/00; | Alkaline earth metal germanate nanomaterial and preparation methodthereof and use thereof as cathode material of lithium ion battery |

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| CN102502672 A 20120620 | CN20111328920; | CHINESE ACAD INST CHEMISTRY; | B82Y40/00; C02F1/62; C01B33/20; C02F1/28; | Layered multi-stage zinc silicate and preparation method and application thereof |
| CN102502751 A 20120620 | CN20111360147; | CHINESE ACAD INST CHEMISTRY; | C01F11/18; B82Y40/00; | Preparation method of porous calcium carbonate crystal particle having nanometer cone microstructure |
| CN102465445 A 20120523 | CN20101531155; | CHINESE ACAD TECH INST PHYSICS; | D06M11/83; A01P1/00; B82Y40/00; B01J23/52; A01N59/16; B82Y30/00; | Composite material of natural plant nano-fibers and metal nano-particles and preparation method thereof |
| WO2012060970 A1 20120510 | US20100938453; | CHINTA SIVADINARAYANA; FINA TECHNOLOGY; THORMAN JOSEPH L; | B82Y30/00; B01J29/08; C01B33/20; B01J29/072; C07C15/46; B01J29/06; B01J29/04; | CATALYSTS CONTAINING NANO-MATERIALS AND METHODS OF MAKING AND USING SAME |
| TW201201329 A 20120101 | US20100354927P; US 201113116278; | CHIPMOS TECHNOLOGIES INC; | H01L23/34; H01L23/28; | Thermally enhanced electronic package and method of manufacturing the same |
| WO2012054525 A2 20120426 | US20100394259P; | CHIU DANIEL T; UNIV WASHINGTON; WU CHANGFENG; YE FANGMAO; YU JIANGBO; ZHANG XUANJUN; | B82B3/00; B82Y40/00; B82B1/00; | CHROMOPHORE POLYMER DOTS |
| US2012046387 A1 20120223 | TW20100127732; | CHIU YEN HUNG; CHU KENG TE; | C04B35/5835; C08J3/22; B29B9/08; | SLURRY FOR PREPARING BORON NITRIDE AGGREGATES OF SPHERICAL GEOMETRY AND APPLICATION THEREOF |
| US2012135234 A1 20120531 | US20090179279P; US 20100318623P; US201 013321267; WO2010U S35220; | CHO DAEHWAN; JOO YONG LAK; NETRAVALI ANIL N; NNADIOLIVIA; | C08L89/00; B01D39/16; B32B5/02; D01F4/00; B29C67/20; | BIODEGRADABLE NANOFIBERS AND IMPLEMENTATIONS THEREOF |
| WO2012044054 A2 20120405 | KR20100095523; | CHO SANG MOO; KIM BYUNG CHAN; KIM YOUN TAEG; VACOS CO LTD; YANG SOON SUK; | C09D127/12; B82B3/00; G02B1/11; C23C14/24; | METHOD FOR FORMING NANOSTRUCTURE FOR IMPLEMENTING HIGHLY TRANSPARENT AND SUPER WATER-REPELLENT SURFACE |

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| WO2012020950 A2 20120216 | KR20100077491; | CHO SEUNG-MIN;NA DOC-HWA;SAMSUNG TECHWIN CO LTD;WON DONG-KWAN;YOON JONG-HYUK; | C01B31/02; B05D1/26; | METHOD OF POST TREATING GRAPHENE AND METHOD OF MANUFACTURING GRAPHENE USING THE SAME |
| WO2012002666 A2 20120105 | KR20100061274;KR20110026455; | CHO SEUNG-MIN;SAMSUNG TECHWIN CO LTD;WON DONG-KWAN; | C23C16/452; C23C16/26; C01B31/02; | GRAPHENE MANUFACTURING APPARATUS AND METHOD |
| WO2012070760 A1 20120531 | KR20100117123; | CHO SO HYE;CHOI HYOUNG IL;JIE HYUN SEOCK;KOREA ADVANCED INST SCI & TECH;PARK JONG KU;SONG BONG GEUN; | C01G23/047; B82B3/00; H01L31/042; H01B1/08; | TITANIUM DIOXIDE NANOPARTICLES FOR FABRICATING PHOTO-ELECTRODE FOR EFFICIENT, LONGLASTING DYE-SENSITIZED SOLAR CELL AND FABRICATION METHOD THEREOF |
| US2012100661 A1 20120426 | KR20070094788;US20080081238;US201113338136; | CHOE YOUNG-HO;CHOI YONG-WOO;KIM HO-GYOUNG;KIMHYUNG-SEOK;LEE YOUNG-HEE; | H01L31/18; | INK FOR FORMING THIN FILM OF SOLAR CELLS AND METHOD FOR PREPARING THE SAME, CIGS THIN FILM SOLAR CELL USING THE SAME AND MANUFACTURING METHOD THEREOF |
| WO2012088209 A2 20120628 | US201061425205P;US201161508591P; | CHOI CHULMIN;JIN SUNGHO;UNIV CALIFORNIA; | B82Y30/00; B05D5/00; | SUPERHYDROPHOBIC AND SUPEROLEOPHOBIC NANOSURFACES |
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| WO2012036537 A2 20120322 | KR20100091640;KR20110006115;KR20110062484; | CHOI IN-SUNG;KOREA ADVANCED INST SCI & TECH;LEE KEON-JAE; | C01B31/02; H01L21/268; C23C16/26; B01J19/08; | APPARATUS AND METHOD FOR MANUFACTURING GRAPHENE USING A FLASH LAMP OR LASER BEAM, AND GRAPHENE MANUFACTURED BY SAME |
| US2012089232 A1 20120412 | US20090163928P;US20100731848;US20100761601;US20100890881;US201113207398; | CHOI JENNIFER HAGYOUNG KANG;CREASEY ABLA A;FANG CARRIE H;HAUSCHILD JAMES E;SUN YING;YANG CHUNLIN; | A61F2/30; H01B1/02; H01B1/20; H01B1/00; | MEDICAL DEVICES WITH GALVANIC PARTICULATES |
| WO2012081904 A2 20120621 | KR20100127930;KR20100127931; | CHOI JOON RAK;CHOI WON JONG;JEONG WOO JU;LEE SANG HOON;LEE YONG SANG;LG INNOTEK CO LTD;MOON JONG WOON;PARK SOUNG KYU;SEO HYEOK SOO; | B22F9/24; B82B3/00; B82Y40/00; | NANO WIRE AND METHOD FOR MANUFACTURING THE SAME |
| US2012028116 A1 20120202 | KR20090013125;KR20090080637;WO2010KR00990; | CHOI SONG-YI;CHOI WON-GIL;JEONG JUN-HWAN;KIM JUNG-AE;LEE BYUNG-JUN;LEEBYEONG-SUN;PYUNG-KYU KIM; | B29C47/00; H01M4/583; H01G9/04; H01M4/64; H01B1/04; | COMPOSITION FOR PRODUCING POSITIVE ELECTRODE FOR ELECTRICITY STORAGEDEVICE, POSITIVE ELECTRODE FOR ELECTRICITY STORAGE DEVICE MADE WITH SAID COMPOSITION, AND ELECTRICITY STORAGE DEVICE COMPRISING SAME |

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| US2012073992 A1 20120329 | US20100890152; | CHOI SUNG-WOOK;KIM JAE-HO;LEE JAE- HYEOK;NAM GWANGHYEON; | G01N27/327; H01L51/30; H01L51/40; | BIOSENSOR BASED ON CARBON NANOTUBE- ELECTRIC FIELD EFFECT TRANSISTORAND METHOD FOR PRODUCING THE SAME |
| WO2012036634 A1 20120322 | US20100382054P; | CHOI WEE KIONG;DAWOOD MUHAMMED KHALID BIN;KHAN SAIF A;RAJAGOPALAN RAJ;UNIV SINGAPORE;ZHENG HAN; | B82Y30/00; C09K3/18; B82Y40/00; B82B3/00; B82B1/00; | PROCESS FOR ALTERING THE WETTING PROPERTIES OF A SUBSTRATE SURFACE |
| WO2012010949 A1 20120126 | IN2010MU02103; | CHOWDHURY ARINDAM;DHAR SUBHABRATA;INDIAN INST TECHNOLOGY BOMBAY;KUNDU TAPANENDU;SINGH BHANUPRATAP; | C09K11/77; C01G9/02; | PROCESS FOR SYNTHESIS OF Tb DOPED ZnO NANOPARTICLES FOR TOTAL CONTROL OVER THE UV TO GREEN LUMINESCENCE (GL) INTENSITY RATIO AND THE TUNABILITY OF UV LUMINESCENCE (UVL) |
| US2012164529 A1 20120628 | DE200910035745;WO 2010DE00799; | CHRISTIAN ALBRECHTES UNI ZU KIEL; | H01M4/66; C25D7/12; H01M4/64; | Electrode For Lithium Ion Batteries |
| WO2012064975 A1 20120518 | US20100412941P; | CHU LARRYLI- YANG;GEN9 INC;HUDSON MIKE;JACOBSON JOSEPH; | B82Y30/00; C40B50/14; B01J19/00; | PROTEIN ARRAYS AND METHODS OF USING AND MAKING THE SAME |
| US2012164434 A1 20120628 | US20090183223P;US 201013376127;WO20 10SG00204; | CHUA SOO JIN;RAMADAS SENTHIL KUMAR; | B32B5/16; B32B15/08; B32B3/00; B05D3/12; B05D1/38; B32B15/04; B05D1/28; B05D3/02; B05D1/02; | MULTILAYER BARRIER FILM |

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| CN102382815 A 20120321 | CN20111272655; | CHUANLAI XU;LIBING WANG;LIGUANG XU; | B22F9/24; C12N15/10; B82Y40/00; | Binary plasma nanoparticle site singularity self- assembly method |
| CN102442638 A 20120509 | CN20111272662; | CHUANLAI XU;LIBING WANG;WENJING YAN; | C12Q1/68; B82Y40/00; B82B3/00; | Preparation method of asymmetric gold nano particle dimmer with chiralsignal |
| CN102382817 A 20120321 | CN20111272661; | CHUANLAI XU;LIBING WANG;YUAN ZHAO; | B82Y40/00; B22F9/24; C12N15/10; | Polymerase chain reaction based chiral gold dimer controllable assembly method |
| WO2012008441 A1 20120119 | JP20100161990; | CHUJO YOSHIKI;OTSUKA TAKESHI;SUMITOMO OSAKA CEMENT CO LTD;UNIV KYOTO; | C08L83/04; C08G77/44; C08K9/06; C09C3/10; | COMPOSITE COMPOSITION COMPRISING INORGANIC OXIDE PARTICLES ANDSILICONE RESIN AND METHOD OF PRODUCING SAME, AND TRANSPARENT COMPOSITE AND METHOD OF PRODUCING SAME |
| US2012116006 A1 20120510 | WO2009US52484; | CHUN DORIS PIK-YIU;NG HOU T; | C08L33/12; | Polymer Encapsulation Of Particles |
| WO2012087005 A2 20120628 | KR20100131711; | CHUNG BONG HYUN;KOREA RES INST OF BIOSCIENCE;LEE CHANG-SOO; | G01N33/58; B82Y30/00; G01N33/52; C09K11/02; | FLUORESCENT NANO PARTICLES USING A LANTHANIDE METAL COMPLEX AND METHOD FOR PREPARING SAME |
| US2012141879 A1 20120607 | KR20100123474; | CHUNG BYUNG-JOO; | H01M10/02; H01M10/0562; | Beta alumina solid electrolyte and method of preparing the same |
| US2012070656 A1 20120322 | US20100384786P;US 201113237442; | CHUNG CHAO- JEN;GREER EDWARD C;LAFLEUR EDWARD E;NUNGESSER EDWIN; | B32B27/20; G02B5/26; | ANTI-REFLECTIVE COATINGS |
| US2012070655 A1 20120322 | US20100384788P;US 201113237439; | CHUNG CHAO- JEN;LAFLEUR EDWARD E;NUNGESSER EDWIN; | B32B27/20; G02B5/26; | UV-REFLECTING COMPOSITIONS |
| US2012138566 A1 20120607 | TW20100141853; | CHUNG SHAN INST OF SCIENCE; | C03C15/00; C23F1/02; | Method for Lithography Etching a Glass Substrate by Miniature Balls |
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| WO2012036330 A1 20120322 | WO2010KR06401; | CID CO LTD;LIM HYEON- GYUN;MOON DONG-WAN; | B41J2/07; C09D11/00; C09C3/00; C09D11/10; D06P5/30; | METHOD FOR PREPARING ENVIRONMENTALLY-FRIENDLY DYE- PIGMENTCOPOLYMERIZED PLASTID AND INK COMPOSITION HAVING HIGH MOLECULAR WEIGHT POLYMER AND DIGITAL TEXTILE PRINTING SYSTEM USING SAME |
| AT544820T T 20120215 | US20070711206;WO2 008IB00413; | CID CT DE INVESTIGACION Y DESARROLLO TECNOLOGICO S A DE C V; | C09C3/10; C08L53/00; C08K9/08; C08F8/00; | REAKTIVE BLOCKCOPOLYMERE ZUR HERSTELLUNG VON ANORGANISCHENRÍHRENPOLYMERVERBUN DWERKSTOFFEN |
| ES2382135T T3 20120605 | US20070711206;WO2 008IB00413; | CID CT DE INVESTIGACION Y DESARROLLO TECNOLOGICO S A DE C V;CIDCT DE INVESTIGACION Y DESARROLLO TECNOLOGICO S A DE C V; | C08F8/00; C08L53/00; C08K9/08; C09C3/10; | Copolímeros de bloque reactivos para la preparación de compuestos de-bulos inorgánicos-polímeros |
| WO2012039764 A1 20120329 | US20100403707P; | CIESIELSKI PETER N;JENNINGS G KANE;JIAO YANG;RYCKMANJUDSON D;UNIV VANDERBILT;WEISS SHARON M; | G01J3/44; | NANOSCALE POROUS GOLD FILM SERS TEMPLATE |

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| WO2012067590 A1 20120524 | SI20100000397; | CINKARNA METALURSKO KEMICNA IND CELJE D D;SELISNIK ALJAZ;VERHOVSEK DEJAN;VERONOVSKI NIKA; | C09C1/36; | COATING OF TIO2 RUTILE NANOPARTICLES IN A SUSPENSION WITH HYDRATEDSIO2 AND AI2O3 |
| SI23547 A 20120531 | SI20100000397; | CINKARNA METALURSKO KEMICNA INDUSTRIJA CELJE D D; | B82B3/00; C01G23/00; C09C1/00; | COATING OF TiO2 RUTILE NANOPARTICLES IN A SUSPENSION WITH HYDRATEDSiO2 AND AI2O3 |
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| US2012021224 A1 20120126 | US20100367046P;US 201113152122; | CLEAN ENERGY LABS LLC; | B44C1/175; B32B9/00; B32B37/00; B05D3/10; B05D3/02; B05D5/12; | GRAPHENE/GRAPHENE OXIDE PLATELET COMPOSITE MEMBRANES AND METHODS ANDDEVICES THEREOF |
| WO2012075533 A1 20120614 | AU20100905384; | CLEMONS TRISTAN DEVERE;DUNLOP SARAH ALISON;EVANS CAMERONWILLIAM;FITZG ERALD MELINDA;IYER KILLUGUDI L;LUZINOV IGOR;UNIV WESTERN AUSTRALIA;ZDYRKO BOGDAN; | A61K9/51; B82Y40/00; B82Y5/00; A61K49/00; C12N15/00; A61K47/48; | MULTIFUNCTIONAL NANOPARTICLES |
| US2012135530 A1 20120531 | US19980105875P;US 19990428155;US2001 0016416;US20060445 815;US20070982435; | CLINICAL MICRO SENSORS INC; | B01J13/00; G01N27/00; C12Q1/68; | Detection of target analytes using particles and electrodes |

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| CA2760428 A1 20120608 | US20100963276; | COLOROX CO; | A01K1/015; A61L9/012; | ANIMAL LITTER COMPRISING A SURFACTANT ENCAPSULATED FRAGRANCE NANOEMULSION |
| KR20120027087 A 20120321 | JP20100202697; | CMC ADVANCED R & AMP D CO LTD; | D01F9/127; D01F9/133; | MICRO COIL, PRODUCTION METHOD AND PRODUCTION APPARATUS THEREFOR |
| TW201211334 A 20120316 | JP20100202697; | CMC ADVANCED R & AMP D CO LTD; | B81C1/00; D01F9/12; | Microcoil, manufacturing method and manufacturing device thereof |
| WO2012032943 A1 20120315 | JP20100202697; | CMC ADVANCED R & D CO LTD; MOTOJIMA SEIJI; | B01J23/755; D01F9/127; C01B31/02; | MICRO COIL, AND MANUFACTURING METHOD AND MANUFACTURING DEVICE THEREFOR |
| CN102400250 A 20120404 | JP20100202697; | CMC RES INST; | D01F9/133; | Micro coil, manufacturing method and manufacturing device thereof |
| JP2012056811 A 20120322 | JP20100202697; | CMC SOGO KENKYUSHO KK; | D01F9/12; C01B31/02; B01J23/755; | METHOD AND APPARATUS FOR MANUFACTURING MICRO COIL |
| CN102502868 A 20120620 | CN20111308717; | CNOOC TIANYE CHEMICAL CO LTD; INNER MONGOLIA UNIVERSITY OF TECHNOLOGY; | C01G49/06; B82Y40/00; | Preparation method of La-Ce (rhodium-cerium) codoped gamma-Fe ₂ O ₃ nanomaterial |
| WO2012004573 A2 20120112 | GB20100011660; | COCKBAIN JULIAN; KARMAOUI MOHAMED; RAUWEL ERWAN; RAUWEL PROTIMA; | B22F1/00; B22F9/24; | METAL NANOPARTICLES |
| US2012080195 A1 20120405 | EP20070020796; WO2008EP64423; | COGNIS OLEOCHEMICALS GMBH; | E21B21/06; E21B17/00; E21B7/00; E21B43/00; C09K8/06; E21B41/00; | Drilling Composition, Process for its Preparation, and Applications Thereof |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| US2012114551 A1 20120510 | GB20090013011;WO2 010GB51099; | COLEMAN KARL STUART; | C23C16/26; B05D3/02; C01B31/04; | PRODUCTION OF GRAPHENE FROM METAL ALKOXIDE |
| MX2012001955 A 20120508 | WO2009US55513; | COLGATE PALMOLIVE CO; | C09C1/04; A61K8/00; C09C1/24; C09C1/30; C09C3/10; C09C1/40; | SURFACE MODIFIED PIGMENT. |
| AU2009351622 A1 20120223 | WO2009US55513; | COLGATE PALMOLIVE CO;KOBO PRODUCTS INC; | C09C1/04; C09C1/30; A61K8/00; C09C1/40; C09C1/24; C09C3/10; | Surface modified pigment |
| KR20120051755 A 20120522 | WO2009US55513; | COLGATE PALMOLIVE CO;KOBO PRODUCTS INC; | A61K8/19; A61K8/29; C09C1/24; C09C1/04; | SURFACE MODIFIED PIGMENT |
| US2012068122 A1 20120322 | US20090182722P;US 201013375045;WO20 10US36555; | COLLEGE OF WILLIAM & MARY; | H01B1/18; H01B1/04; H01B1/24; | METHOD FOR MAKING POLYMER COMPOSITES CONTAINING GRAPHENE SHEETS |
| US2012148648 A1 20120614 | WO2009US55513; | COLOGATE PALMOLIVE COMPANY;KOBO PRODUCTS INC; | A61K8/72; C11D3/60; A61Q1/02; A61K8/02; A61K8/92; A61K8/58; | SURFACE MODIFIED PIGMENT |
| US2012052006 A1 20120301 | US20090153553P;US 201013202311;WO20 10US24450; | COLORADO SCHOOL OF MINES; | A61K49/04; A61K49/00; A61K49/18; A61K31/795; A61K51/12; C12Q1/02; A61K9/14; | GOLD/LANTHANIDE NANOPARTICLE CONJUGATES AND USES THEREOF |
| CN102341165 A 20120201 | IT2009FI00034;WO20 10EP52534; | COLOROBIA ITALIANA SPA; | B01J13/00; B22F9/24; B22F9/18; | Process for preparing stable suspensions of metal nanoparticles andthe stable colloidal suspensions obtained thereby |
| EP2403636 A2 20120111 | IT2009FI00034;WO20 10EP52534; | COLOROBIA ITALIANA SPA; | B22F9/18; B01J13/00; B22F9/24; | PROCESS FOR PREPARING STABLE SUSPENSIONS OF METAL NANOPARTICLES ANDTHE STABLE COLLOIDAL SUSPENSIONS OBTAINED THEREBY |

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|-----------------------------|----------------------------------|---|--|--|
| WO2012037090 A2 20120322 | US20100382093P; | COLSON JOHN;DICHTEL WILLIAM R;LEVENDORF MARK PHILIP;MUKHERJEE ARNAB;PARK JIWOONG;SPITLER ERIC;UNIV CORNELL;WOLL ARTHUR; | H01L51/50; C07F3/06; B01J20/22; C01B31/02; H01L31/042; | COVALENT ORGANIC FRAMEWORK FILMS, AND METHODS OF MAKING AND USES OF SAME |
| AT553161T T 20120415 | US20040845368;WO2 005US16817; | COLUMBIAN CHEM; | C09C1/48; C08K3/04; | KOHLSTOFFHALTIGES MATERIAL MIT EINER BREITENAGGREGATGRÖSSENVERTEILUNG UND VERBESSERTER DISPERSIERBARKEIT |
| US2012112387 A1 20120510 | FR20100057112; | COMMISSARIAT A I EN ATOMIQUE ET AUX EN ALTERNATIVES; | B05D5/12; B29C59/02; B29C35/08; B05D3/10; | MOLD FOR THERMAL NANOIMPRINT LITHOGRAPHY, PROCESS FOR FABRICATING THE SAME, AND NANOIMPRINT PROCESS USING THE SAME |
| FR2963411 A1 20120203 | FR20100056222; | COMMISSARIAT ENERGIE ATOMIQUE; | B29C70/12; B82Y30/00; F24J2/48; F24J2/05; | ABSORBEUR DE CAPTEUR SOLAIRE THERMIQUE, CAPTEUR LE COMPRENANT, ET PROCEDE POUR SA PREPARATION. |
| KR20120069733 A 20120628 | FR20090004468; | COMMISSARIAT ENERGIE ATOMIQUE; | G01N27/12; G01N27/414; | APPARATUS AND METHOD FOR DETECTING AND/OR QUANTIFYING COMPOUNDS OF INTEREST PRESENT IN GASEOUS FORM OR DISSOLVED IN A SOLVENT |
| US2012119158 A1 20120517 | FR20090003558;WO2 010FR00500; | COMMISSARIAT ENERGIE ATOMIQUE; | H01B1/04; B02C11/08; F24J3/00; | COMPOSITE SULPHUR/CARBON CONDUCTIVE MATERIAL, USE AS AN ELECTRODE AND METHOD FOR PRODUCING SUCH A MATERIAL |
| FR2964886 A1 20120323 | FR20100057561; | COMMISSARIAT ENERGIE ATOMIQUE; | B82Y40/00; B01F3/06; B01F5/18; B01D47/00; B01F3/12; | DISPOSITIF ET PROCEDE DE PRODUCTION DE SUSPENSIONS OU DE PATES HUMIDES DE NANOPOUDES OU DE POUDES ULTRAFINES |

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| FR2962595 A1 20120113 | FR20100055467; | COMMISSARIAT ENERGIE ATOMIQUE; | H01L21/768; H01L23/535; | DISPOSITIF MICROELECTRONIQUE A NIVEAUX METALLIQUES D'INTERCONNEXIONCONNECTES PAR DES VIAS PROGRAMMABLES |
| FR2964044 A1 20120302 | FR20100003453; | COMMISSARIAT ENERGIE ATOMIQUE; | C23C30/00; B01F3/08; H01L31/042; | EMULSION DE METAL LIQUIDE |
| FR2965280 A1 20120330 | FR20100057844; | COMMISSARIAT ENERGIE ATOMIQUE; | B82Y30/00; B82Y40/00; C23C16/22; | Fabricating boron-doped silicon wire for semiconductor structures that are useful in electronic, photonic/photovoltaic devices, by depositing catalyst pads on substrate, and performing catalytic growth of wire in absence of boron precursor |
| FR2968081 A1 20120601 | FR20100059776; | COMMISSARIAT ENERGIE ATOMIQUE; | B82B1/00; G01N33/00; B82B3/00; B82Y40/00; | FILMS MINCES DE SILICES MESOPOREUSES COMME MATERIAUX SENSIBLES DANS DES CAPTEURS CHIMIQUES POUR LA DETECTION OU LE DOSAGE DE VAPEURS DE COMPOSES NITRES |
| US2012040181 A1 20120216 | FR20090001257; WO2010FR00220; | COMMISSARIAT ENERGIE ATOMIQUE; | B05D7/24; B05D1/36; B32B33/00; B32B9/04; | HYBRID MOLECULAR MEMORY WITH HIGH CHARGE RETENTION |
| FR2962052 A1 20120106 | FR20100055404; | COMMISSARIAT ENERGIE ATOMIQUE; | B01D67/00; | MATERIAU COMPRENANT DES NANOTUBES OU DES NANOFILS GREFFES DANS UNE MATRICE, PROCEDE DE PREPARATION ET UTILISATIONS |
| US2012114549 A1 20120510 | FR20090050757; WO2010EP51510; | COMMISSARIAT ENERGIE ATOMIQUE; | H01B1/04; C01B31/02; C09K3/00; | METHOD AND KIT FOR SEPARATING METAL AND SEMICONDUCTOR CARBON NANOTUBES |
| JP2012069940 A 20120405 | FR20100057595; | COMMISSARIAT ENERGIE ATOMIQUE; | C23F1/00; H01L21/205; C23C18/12; C23C16/24; | METHOD FOR ELIMINATING METAL CATALYST RESIDUE ON SURFACE OF WIRE PRODUCED BY CATALYTIC GROWTH |
| CN102412119 A 20120411 | FR20100057595; | COMMISSARIAT ENERGIE ATOMIQUE; | H01L31/18; H01L21/02; | Method for eliminating metal catalyst residues on surface of wires produced by catalytic growth |

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| KR20120031119 A 20120330 | FR20100057595; | COMMISSARIAT ENERGIE ATOMIQUE; | B82B3/00; B82B1/00; | METHOD FOR ELIMINATING THE METAL CATALYST RESIDUES ON THE SURFACE OF WIRES DEVELOPED BY CATALYTIC GROWTH |
| US2012070964 A1 20120322 | FR20100057595; | COMMISSARIAT ENERGIE ATOMIQUE; | H01L21/20; | METHOD FOR ELIMINATING THE METAL CATALYST RESIDUES ON THE SURFACE OF WIRES PRODUCED BY CATALYTIC GROWTH |
| US2012152724 A1 20120621 | FR20090052842;WO2 010EP55829; | COMMISSARIAT ENERGIE ATOMIQUE; | C01B31/36; B01J19/12; | METHOD FOR PREPARING A POWDER COMPRISING CARBON, SILICON AND BORON, THE SILICON BEING IN SILICON CARBIDE FORM AND THE BORON BEING IN BORON CARBIDE FORM AND/OR BORON ALONE |
| KR20120024545 A 20120314 | FR20090052842; | COMMISSARIAT ENERGIE ATOMIQUE; | C04B35/565; C01B31/36; C04B35/563; | METHOD FOR PREPARING A POWDER COMPRISING CARBON, SILICON AND BORON, THE SILICON BEING IN SILICON CARBIDE FORM AND THE BORON BEING IN BORON CARBIDE FORM AND/OR BORON ALONE |
| CN102414126 A 20120411 | FR20090052842;WO2 010EP55829; | COMMISSARIAT ENERGIE ATOMIQUE; | C04B35/565; C01B31/36; C04B35/563; | Method for producing a powder including carbon, silicon and boron |
| EP2424818 A1 20120307 | FR20090052842;WO2 010EP55829; | COMMISSARIAT ENERGIE ATOMIQUE; | C04B35/565; C04B35/563; C01B31/36; | METHOD FOR PRODUCING A POWDER INCLUDING CARBON, SILICON AND BORON |
| EP2434034 A1 20120328 | FR20100057595; | COMMISSARIAT ENERGIE ATOMIQUE; | H01L21/02; B82Y40/00; H01L29/06; C30B33/08; C30B29/60; | Method for removing metallic catalysor remains from the surface of nanowires |
| EP2426556 A1 20120307 | FR20100057112; | COMMISSARIAT ENERGIE ATOMIQUE; | G03F7/00; | Mould for lithography by thermal nanoprinting, method for preparing same and thermal nanoprinting method using said mould |

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|-----------------------------|------------------------------|--|--|--|
| FR2964338 A1 20120309 | FR20100057112; | COMMISSARIAT ENERGIE ATOMIQUE; | B29C33/02; B81B3/00; B81C1/00; G03F7/00; | MOULE POUR LA LITHOGRAPHIE PAR NANO-IMPRESSIION THERMIQUE, SON PROCEDE DE PREPARATION, ET PROCEDE DE NANO-IMPRESSIION THERMIQUE LE METTANT EN ?UVRE. |
| AT544513T T 20120215 | FR20070000750;WO2008EP50728; | COMMISSARIAT ENERGIE ATOMIQUE; | C01G23/07; C01G23/047; B01J19/12; B01J6/00; B01J19/08; | NANOPARTIKELSYNTHESE MITTELS LASERHYDROLYSE |
| FR2963615 A1 20120210 | FR20100056447; | COMMISSARIAT ENERGIE ATOMIQUE; | B81B3/00; B81C1/00; | PINCE MAGNETIQUE MICROMETRIQUE OU NANOMETRIQUE ET PROCEDE DEFABRICATION D'UNE TELLE PINCE |
| FR2968577 A1 20120615 | FR20100060379; | COMMISSARIAT ENERGIE ATOMIQUE; | B01J13/04; B82Y40/00; B01J2/12; | PROCEDE DE GRANULATION EN VOIE SECHE DE PARTICULES DE TAILLES NANOMETRIQUES |
| FR2969772 A1 20120629 | FR20100061018; | COMMISSARIAT ENERGIE ATOMIQUE; | G03F7/09; G03F7/11; | PROCÉDE DE LITHOGRAPHIE PAR NANO IMPRESSION |
| FR2964982 A1 20120323 | FR20100057595; | COMMISSARIAT ENERGIE ATOMIQUE; | B82Y40/00; C23C16/22; C23F4/00; | PROCEDE POUR ELIMINER LES RESIDUS DE CATALYSEUR METALLIQUE A LASURFACE DE FILS ELABORES PAR CROISSANCE CATALYTIQUE |
| AT545721T T 20120315 | FR20080052977;WO2009EP55231; | COMMISSARIAT ENERGIE ATOMIQUE; | C30B29/60; C09K11/08; B82B1/00; C30B7/00; | VERFAHREN ZUR HERSTELLUNG VON LUMINESZIERENDEN NANOKRISTALLEN |
| WO2012017024 A1 20120209 | FR20100056447; | COMMISSARIAT ENERGIE ATOMIQUE;DIENY BERNARD;JOISTEN HELENE;SABON PHILIPPE; | B81C99/00; B81B7/00; B01F13/08; B25J7/00; | MICROSCALE OR NANOSCALE MAGNETIC TWEEZERS AND PROCESS FOR FABRICATINGSUCH TWEEZERS |

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|-----------------------------|--|--|--|--|
| WO2012025893 A1 20120301 | FR20100003453; | COMMISSARIAT ENERGIE ATOMIQUE;DUFOURCQJ OEL;JOUHANNAUD JULIEN;PONCELET OLIVIER;RACCURT OLIVIER;ROUMANIE MARYLINE;SONIER FLORE; | C09D11/02; C09K3/00; H01L21/02; B01F3/00; B82Y30/00; B01F13/00; | LIQUID METAL EMULSION |
| WO2012004267 A1 20120112 | FR20100055467; | COMMISSARIAT ENERGIE ATOMIQUE;ERNST THOMAS;MORELPAUL-HENRY; | H01L21/8234; H01L29/786; H01L23/522; H01L21/822; H01L29/06; H01L21/336; H01L29/78; | MICROELECTRONIC DEVICE HAVING METAL INTERCONNECTION LEVELS CONNECTEDBY PROGRAMMABLE VIAS |
| WO2012085164 A1 20120628 | FR20100061018; | COMMISSARIAT ENERGIE ATOMIQUE;PAULIAC SEBASTIEN; | G03F7/00; | NANOIMPRINT LITHOGRAPHY METHOD |
| FR2962450 A1 20120113 | FR20100055526; | COMMISSARIAT ENERGIE ATOMIQUE;UNIV RABELAIS FRANCOIS;UNIVCERGY PONTOISE; | B82Y40/00; B82Y30/00; C25D9/00; | PROCEDE DE PREPARATION D'UN MATERIAU COMPOSITE, MATERIAU AINSI OBTENUET SES UTILISATIONS |
| WO2012045113 A1 20120412 | AU20100904464; | COMMW SCIENT IND RES ORG;JASINIENIAK JACEK;MACDONALD BRANDON;MULVANEY PAUL;UNIV MELBOURNE; | H01L21/208; H01L21/368; H01L21/02; B82Y40/00; H01L21/477; H01L21/324; | SINTERED DEVICE |
| US2012145315 A1 20120614 | NO20090002381;NO2 0100001761;WO2010 NO00241;WO2010NO 00242;WO2010NO002 49; | CONDALIGN AS; | H01B1/02; H01B1/00; B05D5/12; B29C65/52; H01B13/34; H01B1/12; H01B1/04; H01B13/00; | ANISOTROPIC CONDUCTIVE POLYMER MATERIAL |
| ES2374470 A1 20120217 | ES20100031234; | CONSEJO SUPERIOR INVESTIGACION; | C04B35/00; B01J21/06; B01F3/18; B01J23/75; B82Y30/00; | CATALIZADORES JERARQUICAMENTE ORGANIZADOS MEDIANTE NANODISPERSION POR VIA SECA. |

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| ES2372339 A1 20120118 | ES20100030947; | CONSEJO SUPERIOR INVESTIGACION; | B82Y30/00; B82B1/00; C08K3/04; B82B3/00; C08G65/321; | MATERIAL NANOCOMPUESTO REFORZADO CON UN DERIVADO POLIMERICO INJERTADO EN UN NANOMATERIAL DE CARBONO. |
| US2012107405 A1 20120503 | ES20080002177;WO2 009ES70299; | CONSEJO SUPERIOR INVESTIGACION; | B01J35/02; C08L77/00; A61K9/14; B01J13/00; | METHOD FOR THE DRY DISPERSION OF NANOPARTICLES AND THE PRODUCTION OF HIERARCHICAL STRUCTURES AND COATINGS |
| US2012040005 A1 20120216 | ES20080003695;WO2 009ES70628; | CONSEJO SUPERIOR INVESTIGACION; | A01P3/00; A01P1/00; B05D7/24; B05D5/00; A01N25/26; A01N59/26; | NANOSTRUCTURED CALCIUM-SILVER PHOSPHATE COMPOSITE POWDERS, PROCESS FOR OBTAINING THE POWDERS, AND BACTERICIDAL AND FUNGICIDAL APPLICATIONS THEREOF |
| EP2460782 A1 20120606 | ES20090030516;WO2 010ES70510; | CONSEJO SUPERIOR INVESTIGACION; | C01G25/02; C04B35/48; | NANOSTRUCTURED COMPOSITE MATERIAL OF STABILIZED ZIRCONIA WITH CERIUM OXIDE AND DOPED ALUMINA WITH ZIRCONIA, USE, AND PROCEDURE FOR OBTAINING SAME |
| ES2373295 A1 20120202 | ES20100031143; | CONSEJO SUPERIOR INVESTIGACION; | B82Y30/00; C08K3/00; | PROCEDIMIENTO DE OBTENCION DE MATERIALES COMPUESTOS COMO CONDUCTORES ELECTRICOS. |
| ES2372856 A1 20120127 | ES20100031055; | CONSEJO SUPERIOR INVESTIGACION; | C01B31/00; B82Y30/00; | PROCEDIMIENTO DE OBTENCION DE MATERIALES NANOCOMPUESTOS DE POLIMEROS CLORADOS Y NANOESTRUCTURAS DE CARBONO |
| ES2379915 A1 20120507 | ES20100031493; | CONSEJO SUPERIOR INVESTIGACION; | B82B3/00; B82Y40/00; B82Y15/00; B82Y5/00; B82B1/00; | PROCEDIMIENTO PARA EL RECUBRIMIENTO Y FUNCIONALIZACION DE NANOPARTICULAS MEDIANTE REACCION DE MICHAEL. |

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| US2012141602 A1 20120607 | ES20060002404;WO2 007EP58312; | CONSEJO SUPERIOR INVESTIGACION; | C12Q1/04; A61P37/00; F16J15/02; C12Q1/70; B03C1/00; H01F1/44; A61P35/00; C12Q1/68; H01F1/42; C02F1/48; A61P31/00; A61K33/26; | SYSTEMS CONTAINING MAGNETIC NANOPARTICLES AND POLYMERS, SUCH AS NANOCOMPOSITES AND FERROFLUIDS, AND APPLICATIONS THEREOF |
| US2012165180 A1 20120628 | ES20090030633;WO2 010ES70561; | CONSEJO SUPERIOR INVESTIGACION;FUNDAC ION INST TECNOLOGICO DE MATERIALES ASTURIAS ITMA; | C04B35/19; C04B35/64; H05B6/00; | Method for Obtaining Ceramic Compounds and Resulting Material |
| WO2012045902 A1 20120412 | ES20100031493; | CONSEJO SUPERIOR INVESTIGACION;GABILO NDO UGARTE LIERNI;MILLAN ESCOLANO ANGEL;PALACIO PARADA FERNANDO;PINOL LACAMBRA RAFAEL; | B82Y15/00; B82B1/00; B82Y40/00; B82Y5/00; B82B3/00; | METHOD FOR COATING AND FUNCTIONALIZING NANOPARTICLES BY MEANS OF AMICHAEL REACTION |
| EP2466377 A1 20120620 | IT2010MI02295; | CONSIGLIO NAZIONALE RICERCHE; | B81C1/00; G03F7/00; | Method for the creation of complex structures on a micrometric ornanometric scale, and the complex structure thus obtained |
| WO2012014094 A1 20120202 | BR2010PI02273; | CONTADINI JOSE FERNANDO;DE SOUZA TAIANE GUEDES FONSECA;MOHALLEM TA RIK DELLA SANTINA;NANUM NANOTECNOLOGIA S A; | C01G49/08; | PROCESS FOR OBTAINING FUNCTIONALIZED NANOPARTICULATE MAGNETIC FERRITES FOR EASY DISPERSION AND MAGNETIC FERRITES OBTAINED THROUGH THE SAME |
| US2012117937 A1 20120517 | US20100946052; | COOKE LAURENCE H; | F03H99/00; H01B12/02; | USES OF HYDROCARBON NANORINGS |
| CN102459085 A 20120516 | US20090180285P;WO 2010US35650; | CORNELL RES FOUNDATION INC; | H01M4/90; H01B1/08; C01B21/06; C01G1/02; C01G23/00; | Conducting metal oxide and metal nitride nanoparticles |

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| US2012071364 A1 20120322 | US19960011359P;US 19970794851;US2004 0854678;US20111307 2442;US20111322919 8; | CORNELL RES FOUNDATION INC; | C40B60/12; C12Q1/68; B01J19/00; | DETECTION OF NUCLEIC ACID SEQUENCE DIFFERENCES USING THE LIGASE DETECTION REACTION WITH ADDRESSABLE ARRAYS |
| CN102459062 A 20120516 | US20090169609P;US 20090169637P;WO20 10US31294; | CORNELL RES FOUNDATION INC; | B82B3/00; C01B33/18; | Improved fluorescent silica nanoparticles through silica densification |
| CN102421851 A 20120418 | EP20090305230;WO2 010US27071; | CORNING INC; | C08L87/00; | Composites and methods of making and using the composites |
| JP2012033934 A 20120216 | US20100368854P; | CORNING INC; | G21K1/06; H01L21/027; G21K1/00; | HIGH-REFLECTIVITY HARDENED SILICA- TITANIA ARTICLE AND METHOD OF PRODUCING THE SAME |
| EP2412686 A2 20120201 | US20100368854P; | CORNING INC; | G03F1/24; G21K1/06; G03F7/00; C03C17/36; | Highly reflective, hardened silica-titania article and method of making |
| JP2012046407 A 20120308 | US20100307984P;US 201113028472; | CORNING INC; | C03B20/00; C03C3/06; G03F1/22; H01L21/027; | LOW EXPANSIVITY, HIGH TRANSMISSION TITANIA-DOPED SILICA GLASS |
| EP2428488 A1 20120314 | US20100307984P;US 201113028472; | CORNING INC; | C03C3/06; B82Y10/00; C03C4/00; G03F7/20; C03B19/14; G03F1/00; | Low expansivity, high transmission titania doped silica glass |
| JP2012042966 A 20120301 | US20020362052P; | CORNING INC; | C03C4/00; C03C3/06; G02B5/08; C03B19/14; G03F7/20; H01L21/027; C03B8/04; G03F1/14; G02B1/00; C03B20/00; | LOW STRIATION EXTREME ULTRAVIOLET OPTICAL ELEMENT |
| WO2012074947 A1 20120607 | US20100418033P; | CORNING INC; DAWES STEVEN BRUCE; JOHNSON BENEDICT YORKE; RUFFIN MILLICENT KAYE WELDON; VILENO ELIZABETH MARIE; YARNELL EZRA | C01B19/00; B01J20/32; B01J20/28; B01J20/02; | SORBENT FOR REMOVAL OF A CONTAMINANT FROM A FLUID |

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|-----------------------------|--|---|---|---|
| | | MORGAN; | | |
| WO2012030610 A1 20120308 | US20100378202P; | CORNING INC;GAGOV ATANAS VALENTINOV;ZIMMERMA N JAMES W; | D01F8/06; D01F8/00; D01F8/14; D01F8/12; D01F8/04; | BI-COMPONENT PARTICLE-LOADED FIBER AND METHOD FOR MAKING |
| EP2451567 A1 20120516 | CN20091054622;WO2 010US41470; | CORNING INC;SHANGHAI INST CERAMICS; | H01L35/00; B01J13/00; C01G1/02; H01L35/30; | THERMOELECTRIC COMPOSITE MATERIAL AND METHOD OF PRODUCING THE SAME |
| WO2012078063 A1 20120614 | WO2010PT00057; | CORREIA FORTUNATO ELVIRA MARIA;FERRAO DE PAIVA MARTINS RODRIGO;JERZY WOJCIK PAWEL;UNIV NOVA DE LISBOA; | H01L51/00; H01L31/18; B82Y40/00; H01L51/42; H01L51/44; H01L31/0352; | MESOSCOPIC OPTOELECTRONIC DEVICES COMPRISING ARRAYS OF SEMICONDUCTORPILLARS DEPOSITED FROM A SUSPENSION AND PRODUCTION METHOD THEREOF |
| CN102459075 A 20120516 | EP20090007979;EP20 100002142;WO2010E P58658; | CORUS TECHNOLOGY BV;TATA STEEL LTD; | C09D179/08; B05D3/10; C01B31/02; C09D5/00; C09D5/08; B05D7/16; C09D7/12; | A process of direct low-temperature growth of carbon nanotubes (cnt)and fibers (cnf) on a steel strip |
| GB2482834 A 20120215 | IN2009DE00969;WO2 010IN00200; | COUNCIL SCIENT IND RES; | B01J13/04; C08F112/08; A61K8/58; A61K8/895; C08F112/06; A61K8/11; C08F2/44; A61Q19/00; B82Y30/00; | Clay nanocomposite forming microcapsule useful for guest encapsulationand process thereof |
| WO2012035551 A1 20120322 | IN2010DE02176; | COUNCIL SCIENT IND RES;PILLAIVIJAYMOHANA N KUNJIKRISHNAN;SHINDE | C01B31/04; | ELECTROCHEMICAL PROCESS FOR SYNTHESIS OF GRAPHENE |

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| MX2012006127 A 20120619 | GB20090022552;WO2 010GB02308; | CRODA INT PLC; | C01G23/047; C01G23/08; C01G23/053; | PARTICULATE TITANIUM DIOXIDE. |
| WO2012052779 A1 20120426 | GB20100017875;US2 0100412970P; | CROUD VINCENTBRIAN;JOHNSO N MATTHEY PLC;MARCHANT CLIVE ANTONY; | G01N33/28; B82Y30/00; B82Y15/00; G01N21/65; | METHOD OF IDENTIFYING A MATERIAL |
| US2012040581 A1 20120216 | DE200910015226;WO 2010EP54350; | CT DE ESTUDIOS INVESTIGACIONES TECN DE GIPUZKOA; | C08F112/08; C08F10/00; D02G3/36; C08G69/02; C08F120/10; D04H1/74; B29C67/20; B29C47/08; C08G64/00; C08G63/91; C08G73/10; C08G63/00; C08G59/00; C08G63/08; C08G65/00; C08B37/00; C08G18/00; C12N9/96; C08G59/14; C08G69/48; C08G18/30; C08F120/44; | TEMPLATE-SUPPORTED METHOD OF FORMING PATTERNS OF NANOFIBERS IN THEELECTROSPINNING PROCESS AND USES OF SAID NANOFIBERS |
| EP2461834 A2 20120613 | GB20090013803;WO2 010EP61547; | CT FUER ANGEWANDTE NANOTECHNOLOGIE CAN GMBH; | H01F1/00; A61K49/18; | METAL OXIDE PARTICLES COATED WITH POLYETHYLENE GLYCOL AND THEIRSYNTHESIS |
| AT541902T T 20120215 | EP20060026440; | CT FUER ANGEWANDTE NANOTECHNOLOGIE CAN GMBH; | C09C3/06; C09C3/08; C09K11/02; C09C1/36; C09C3/00; C09K11/77; | OBERFL—CHENBEHANDLUNGSVERFAHREN FÜR NANOPARTIKEL |

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| US2012141795 A1 20120607 | FR20090055921;WO2 010FR51794; | CT NATL DE LA RECH SCIENT;SAINT GOBAIN;UNIV PARIS; | C01G29/00; C01B33/12; | BISMUTH VANADATE PARTICLES AND THE METHOD FOR PRODUCING SAME |
| US2012021219 A1 20120126 | US20100840764; | CUI BAOZHI;GABAY ALEXANDER;HADJIPANA YIS GEORGE C;LIUJINFANG;MARINESC U MELANIA; | H01F1/12; H01F1/032; B02C23/06; | MAGNETIC NANOFLLAKES |
| US2012019342 A1 20120126 | US20100840733; | CUI BAOZHI;GABAY ALEXANDER;HADJIPANA YIS GEORGE C;LIUJINFANG;MARINESC U MELANIA; | B22F3/02; H01F7/02; B22F3/10; B02C23/18; B22F1/00; B02C17/00; | Magnets made from nanoflake precursors |
| US2012019341 A1 20120126 | US20100840710; | CUI BAOZHI;GABAY ALEXANDR;HADJIPANAYI S GEORGE C;LIUJINFANG;MARINESC U MELANIA; | B22F1/00; H01F7/02; | COMPOSITE PERMANENT MAGNETS MADE FROM NANOFLLAKES AND POWDERS |
| US2012061124 A1 20120315 | US20100375493P;US 201113214570; | CUI YI;HU LIANGBING;WU HUI; | H01B5/08; D02G3/00; B22D11/01; | ELECTRODES WITH ELECTROSPUN FIBERS |
| US2012115767 A1 20120510 | US20070764621; | CUMBERLAND SCOTT;KAARET THOMAS W;SMITH WILLIAM L;VAN BUSKIRK GREGORY; | C11D7/60; | Oxidizing Bleach Composition |
| CN102458043 A 20120516 | DE201010049499; | CURAMIK ELECTRONICS GMBH; | H05K3/38; B32B15/04; C04B37/02; H05K1/05; | Metal-ceramic substrate and method for manufacturing such a substrate |
| EP2447235 A1 20120502 | DE201010049499; | CURAMIK ELECTRONICS GMBH; | C04B41/51; H05K3/38; C04B37/00; H01L23/373; C04B37/02; | Metal-ceramic substrate and method for manufacturing such a substrate |

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| DE102010049499 A1 20120503 | DE201010049499; | CURAMIK ELECTRONICS GMBH; | C04B41/88; | Metall-Keramik-Substrat sowie Verfahren zum Herstellen eines solchenSubstrates |
| US2012031653 A1 20120209 | DE200510062181;US2 0080086983;US20111 3274851;WO2006IB03 030; | CURAMIK ELECTRONICS GMBH; | B32B27/38; B32B5/12; H01F1/42; C08L63/00; C08L67/00; | Printed Circuit Board made from a Composite Material |
| WO2012087482 A1 20120628 | US20100973262; | CUTLER PAUL H;SCITECH ASSOCIATES HOLDINGS INC.; | H01Q1/46; H01Q13/08; | A METHOD AND APPARATUS FOR AN OPTICAL FREQUENCY RECTIFIER |
| CN102317383 A 20120111 | US20090152939P;WO 2010US23555; | CYTEC TECH CORP.; | C08K3/04; C09J9/02; H01B1/24; C09D5/24; C09D163/00; H01B1/20; C08K3/08; | Co-curable, conductive surfacing films for lightning strike andelectromagnetic interference shielding of thermoset composite materials |
| EP2462062 A1 20120613 | GB20090013525;WO2 010GB51271; | CYTOCHROMA DEV INC.; | A61K33/26; A61K33/10; A61K33/06; C01G49/00; | METHOD |
| WO2012033522 A1 20120315 | US20100807597; | CYTOSORBENT INC.; | B32B3/26; B82Y30/00; C08J9/00; | SIZE SELECTIVE POLYMER SYSTEM |
| US2012084740 A1 20120405 | US20080202366;US20 090172659P;US20090 473265;US201109879 94;US201113087334; US201113316564; | D2S INC.; | G03F1/20; | METHOD AND SYSTEM FOR DESIGN OF A RETICLE TO BE MANUFACTURED USING VARIABLE SHAPED BEAM LITHOGRAPHY |
| US2012064440 A1 20120315 | US20080202364;US20 090473241;US200905 40328;US2010075070 9;US201113300601; | D2S INC.; | G03F1/20; | METHOD FOR DESIGN AND MANUFACTURE OF DIAGONAL PATTERNS WITH VARIABLE SHAPED BEAM LITHOGRAPHY |
| US2012034554 A1 20120209 | US20090237290P;US 20090603580;US2009 0618722;US20111327 4346; | D2S INC.; | G03F9/00; G03F1/36; G06F17/50; G03F1/68; | Method for Fracturing and Forming a Pattern Using Circular Characters with Charged Particle Beam Lithography |

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| US2012040279 A1 20120216 | US20080202364;US20 090224849P;US20090 473241;US200905403 22;US201113282446; | D2S INC; | G03F1/20; | METHOD, DEVICE, AND SYSTEM FOR FORMING CIRCULAR PATTERNS ON A SURFACE |
| US2012128536 A1 20120524 | KR20090133048;WO2 010KR05059; | DAEGU GYEONGBUK INST SCIENCE; | C07F9/09; G01N33/53; C08F2/46; G01N1/28; C08F12/08; | MOLECULARLY PRINTED POLYMER FOR DETECTING THE PENTRAXIN, AND METHODFOR PREPARING SAME |
| RU2010152165 A 20120627 | RU20100152165; | DAEVA ALLOTEKH KO LTD;PUZYR ALEKSEJ PETROVICH;UCHREZHDE NIE ROSSIJSKOJ AKADEMII NAUK INST BIOFIZIKI SIB OTDEL RAN IBF SO RAN; | B82B1/00; C01B31/06; B82Y40/00; | METHOD OF EXTRACTING HIGH COLLOIDAL STABILITY DETONATION SYNTHESIS NANODIAMONDS |
| WO2012051482 A2 20120419 | US20100904559; | DAI SHENG;QU JUN;UT BATTELLE LLC; | H01M4/38; B82B3/00; B82B1/00; H01M10/0525; | COMPOSITE NANOWIRE COMPOSITIONS AND METHODS OF SYNTHESIS |
| CN102362333 A 20120222 | JP20090071168;WO2 010JP54427; | DAICEL CHEM; | B29C59/02; H01L21/027; | Curable composition for nanoimprinting and cured object |
| KR20120002572 A 20120106 | JP20090071168; | DAICEL CORP; | B29C59/02; H01L21/027; | CURABLE COMPOSITION FOR NANOIMPRINTING AND CURED OBJECT |
| US2012132515 A1 20120531 | JP20090182563;WO2 010JP62131; | DAICEL CORP; | C01G23/047; B01J19/12; | RUTILE TITANIUM DIOXIDE NANOPARTICLES EACH HAVING NOVEL EXPOSEDCRYSTAL FACE AND METHOD FOR PRODUCING SAME |
| US2012077090 A1 20120329 | JP20100217461; | DAIKIN IND LTD; | H01M4/583; C01B31/30; | POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM PRIMARY CELL |
| US2012160128 A1 20120628 | JP20090197036;WO2 010JP64265; | DAINICHISEIKA COLOR CHEM; | C09D105/08; C09D11/00; | DISPERSANT FOR USE IN A CARBON FILLER |
| US2012094090 A1 20120419 | JP20090155181;WO2 010JP61026; | DAINIPPON INK & CHEMICALS; | B32B37/14; B32B38/10; B32B3/00; B32B38/08; | METHOD FOR FORMING TRANSPARENT CONDUCTIVE LAYER PATTERN |

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| TW201213956 A 20120401 | JP20100152946;JP20100152947; | DAINIPPON INK & CHEMICALS; | B82Y30/00; B32B7/12; H01L21/28; H01B5/14; G06F3/041; G02F1/1333; | Substrate with transparent conductive layer and method for producingsame, transparent conductive film laminate for touch panel and touch panel |
| KR20120024959 A 20120314 | JP20100100826; | DAINIPPON INK & CHEMICALS;KAWAMURA INST CHEM RES; | C01G23/04; C09K3/00; C01G45/00; C01G51/00; | INFRARED-RAY-ABSORBABLE THIN FILM CONTAINING RUTILE-TYPE TITANIUMOXIDE CRYSTALS, AND PROCESS FOR PRODUCTION THEREOF |
| US2012119200 A1 20120517 | JP20090179440;WO2010JP62822; | DAINIPPON PRINTING CO LTD; | H01L51/54; H01L51/00; C09D11/00; C07F11/00; | DEVICE MATERIAL FOR HOLE INJECTION TRANSPORT LAYER, INK FOR FORMINGHOLE INJECTION TRANSPORT LAYER, DEVICE COMPRISING HOLE INJECTION TRANSPORT LAYER, AND METHOD FOR PRODUCING THE DEVICE |
| JP2012086484 A 20120510 | JP20100236181; | DAINIPPON PRINTING CO LTD; | B29C59/02; H01L21/027; | IMPRINTING METHOD, AND TRANSFER BASE MATERIAL AND ADHERENCE AGENT USED FOR THE SAME |
| JP2012069963 A 20120405 | JP20080117571;JP20110229822; | DAINIPPON PRINTING CO LTD; | B82Y20/00; H05B33/10; H01L51/50; | NANOPARTICLE CONTAINING TRANSITION METAL FOR FORMING HOLE INJECTION TRANSPORT LAYER AND PRODUCTION METHOD THEREFOR |
| US2012146010 A1 20120614 | JP20090246903;WO2010JP69087; | DAINIPPON PRINTING CO LTD; | B32B5/16; H01L51/30; H01B1/00; C07F11/00; H01L51/40; | TRANSITION METAL COMPOUND-CONTAINING NANOPARTICLE AND METHOD FORPRODUCING THE SAME, INK FOR POSITIVE HOLE INJECTION TRANSPORT LAYER, DEVICE COMPRISING POSITIVE HOLE INJECTION TRANSPORT LAYER AND METHOD FOR PRODUCING THE SAME |

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| US2012035388 A1 20120209 | CN20091236390;WO2 010CN00675; | DALIAN CHEMICAL PHYSICS INST; | B01J37/34; B01J23/42; C07C67/30; | PLATINUM/CARBON NANOTUBE CATALYST, THE PREPARATION PROCESS AND USE THEREOF |
| CN102468478 A 20120523 | CN20101547016;CN2 0101599818; | DALIAN CHEMICAL PHYSICS INST; | B82Y40/00; H01M4/1391; | Preparation method of nano-scale compound metal oxide octahedron |
| CN102336413 A 20120201 | CN20101562344;CN2 0111175530; | DALIAN CHEMICAL PHYSICS INST; | C01B37/08; C01B39/54; B82Y40/00; | Synthesis method of low-silicon SAPO-34 molecular sieves |
| CN102476794 A 20120530 | CN20101553410; | DALIAN CHUANGDA TECH TRADE MK; | C01B31/02; B82Y40/00; | Method for large-scale preparation of nanometer carbon fiber |
| CN102476037 A 20120530 | CN20101553561; | DALIAN CHUANGDA TECH TRADE MK; | B82Y30/00; B01J13/02; | Nano composite particle with controllable morphology and monodispersedgranularity |
| CN102386321 A 20120321 | CN20111317550; | DALIAN HILAND PHOTOELECTRIC MATERIAL CO LTD;UNIV DONGHUA; | B82Y40/00; B02C23/00; B22F9/04; H01L35/34; | Nanometer thermoelectric powder material preparing method |
| US2012034707 A1 20120209 | US20080057917P;US 20090995562;WO200 9US45824; | DAN YAPING;DATTA SUJIT S;JOHNSON JR ALAN T;KHAMIS SAMUEL M;STRACHAN DOUGLAS R; | B32B7/04; B32B3/00; B32B3/30; B05D1/12; C01B31/02; B32B5/00; H01L31/02; G01N27/00; B32B9/04; B32B5/16; | ATOMICALLY PRECISE NANORIBBONS AND RELATED METHODS |
| US2012088649 A1 20120412 | US20090213615P;US 201013378287;WO20 10IL00494; | DARIEL MOSHE;FRAGE NAHUM;KALABUCHOV SERGEI; | C30B29/28; | MANUFACTURING TRANSPARENT YTTRIUM ALUMINUM GARNET BY SPARK PLASMASINTERING |

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| CN102498066 A 20120613 | IT2009MI01269;WO20 10EP04316; | DAUNIA SOLAR CELL S R L; | C01G23/047; | Process for the preparation of titanium dioxide having nanometric dimensions and controlled shape |
| KR20120060825 A 20120612 | IT2009MI01269;WO20 10EP04316; | DAUNIA SOLAR CELL S R L; | B82B3/00; C01G23/047; | PROCESS FOR THE PREPARATION OF TITANIUM DIOXIDE HAVING NANOMETRIC DIMENSIONS AND CONTROLLED SHAPE |
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| US2012034465 A1 20120209 | US201113279273; | DAVAR FATEMEH;ENHESSARI MORTEZA;ESFAHANI MOHAMMAD JAVAD;SALAVATI- NIASARI MASOUD; | C09K3/00; B32B9/04; | METHOD FOR PREPARING SILICA- DYSPROSIUM OXIDE CORE-SHELL NANOPARTICLES |
| US2012012557 A1 20120119 | US20080141531P;US 200913142441;WO20 09US69662; | DAVID MOSES M;YU TA- HUA; | C23F1/00; | METHOD FOR MAKING NANOSTRUCTURED SURFACES |

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| WO2012025613 A2 20120301 | GB20100014283;US2 0100377617P; | DAVIES GEOFFREY JOHN;ELEMENT SIX ABRASIVES SA;MYBURGH JOHANNES LODEWIKUS;NAIDOO KAVESHINI; | C04B35/645; C04B35/628; C04B35/52; C01B31/06; | METHOD OF MAKING POLYCRYSTALLINE DIAMOND MATERIAL |
| US2012025110 A1 20120202 | US20070995881P;US 20080239281;US2010 0899750;US20111301 8667;US20116143779 2P; | DAVIS ROBERT C;DECKER KEITH W;JENSEN CHARLES R;LIDDIARD STEVEN D;PEI LEI;VANFLEETRICHARD R;ZAPPE MICHAEL; | H01J5/18; B32B5/12; C08L79/08; B32B3/10; B32B27/06; | REINFORCED POLYMER X-RAY WINDOW |
| WO2012019112 A2 20120209 | US20100371104P; | DAVYDOV VALERY A;KHABASHESKU VALERY N;RAKHMANNINA ALEXANDRA V;UNIV HOUSTON; | C01B31/06; B01J3/06; | METHOD OF PRODUCING DIAMOND POWDER AND DOPED DIAMONDS |
| US2012135214 A1 20120531 | US20100418033P;US 201113279555; | DAWES STEVEN BRUCE;JOHNSON BENEDICT YORKE;RUFFIN MILLICENTKAYE WELDON;VILENO ELIZABETH MARIE;YARNELL EZRA MORGAN; | B01J20/28; B01D53/82; B01D53/81; C09K3/00; B01D53/02; | Sorbent For Removal Of A Contaminant From A Fluid |

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| WO2012078590 A2 20120614 | GB20100020556; | DE LA VEGA FERNANDO;GEVA REUVEN;LAMPERT SHALOM;LINK MOSHE;MELAMED SEMYON;P V NANO CELL LTD;SHTER BAR JOSHUA GANIT; | B22F9/24; C09D5/24; C09D11/00; C08K3/08; H01B1/22; | STABLE DISPERSIONS OF MONOCRYSTALLINE NANOMETRIC SILVER PARTICLES |
| WO2012079999 A1 20120621 | IT2010MI02287; | DE NARDI DOMENICO;ECOPOLIMER I S R L; | C08G18/79; C08K3/34; C08J5/24; C08J5/00; C08G18/32; C08J5/04; C08G18/72; | STRUCTURAL COMPOSITES WITH CONTINUOUS POLYCARBAMIDE MATRIX WITHFUNCTIONAL PROPERTIES FOR STRUCTURAL APPLICATIONS |
| US2012125234 A1 20120524 | DE200910035797;WO 2010EP04076; | DE OLIVEIRA PETER WILLIAM;JILAVI MOHAMMAD;SHANMUGA SUNDARAM SAKTHIVEL;VEITH MICHAEL; | B05D3/02; C09D1/00; B05D5/06; C08K5/07; C08K5/05; | Method for Producing Coatings Having Anti- Reflection Properties |
| US2012129967 A1 20120524 | DE200910035673;WO 2010EP04327; | DE OLIVEIRA PETER WILLIAM;VEITH MICHAEL; | C08G79/00; B29C35/10; B05D1/12; B05D5/06; C08J9/06; | Method For Producing Thin Films And The Application Thereof |
| WO2012061656 A2 20120510 | US20100409846P; | DE ROCHEMONT L PIERRE; | B82Y99/00; H01L29/15; H01L21/208; | SEMICONDUCTOR CHIP CARRIERS WITH MONOLITHICALLY INTEGRATED QUANTUM DOTDEVICES AND METHOD OF MANUFACTURE THEREOF |

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| WO2012062934 A1 20120518 | US20100413396P;US 20100414544P;US201 161477228P;US20116 1479263P; | DERKS HENK;JAGERREMCO;MA PPER LITHOGRAPHY IP BV;STEENBRINK STIJN WILLEM HERMAN KAREL;VAN DE PEUT TEUNIS;VAN VEEN ALEXANDER HENDRIK VINCENT;WIELAND MARCO JAN-JACO; | H01J37/09; H01J37/04; H01J37/24; H01J37/22; H01J37/317; | CHARGED PARTICLE BEAM MODULATOR |
| WO2012062726 A1 20120518 | US20100413396P;US 20100414775P;US201 161552476P; | DERKS HENK;MAPPER LITHOGRAPHY IP BV;VAN DE PEUT TEUNIS;WIELAND MARCO JAN-JACO; | H01J37/244; H01J37/304; H01J37/04; B82Y10/00; H01J37/317; H01J37/22; | DATA PATH FOR LITHOGRAPHY APPARATUS |
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| US2012068124 A1 20120322 | US20100385087P;US 201113090053;US201 113237766; | DICKINSON III BEN WADE OAKES;DICKINSON ROBERT WAYNE;MUSSETTI LAWRENCE JOSEPH;MYERS JON K;OUSTERHOUT OLIVER DOUGLAS; | B01J19/08; C01F5/02; C01B31/04; H01B1/04; | Process for the Production of Carbon Graphenes and other Nanomaterials |
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| WO2012006621 A2 20120112 | US20100363103P; | DISSANAYAKE NANDITHA;UNIV MICHIGAN;ZHONG ZHAOHUI; | H01L31/00; | CARBON NANOTUBE HYBRID PHOTOVOLTAICS |
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| US2012084044 A1 20120405 | US20100389382P;US 201113252480; | DMITRIEV VLADIMIR; | G06F15/00; | Method And Apparatus For The Determination Of Laser Correcting ToolParameters |
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| CN102351163 A 20120215 | CN20111192069; | DONGFANG ELECTRIC CORP; | C01B31/02; C01B31/00; H01M4/38; B82Y40/00; H01M4/1393; B82Y30/00; | Nano carbon microsphere cathode material of lithium ion cell and its preparation method |
| CN102517020 A 20120627 | CN20111368777; | DONGGUAN SHU INST OF NANO TECHNOLOGY; UNIV SHANGHAI JIAOTONG; | B82Y30/00; C09K11/85; B82Y25/00; B82Y20/00; H01F1/11; | Superparamagnetic fluorescent multifunctional mesoporous nanometer spherical material and preparation method thereof |
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| DE102010047741 A1 20120412 | DE201010047741; | DORFNER GMBH & CO KAOLIN UND KRISTALLQUARZSAND WERKE KG GEB; | B01J2/16; B01J2/00; | Granulatzusammensetzung auf Basis pigmentbeschichteter Trägermedien, Verfahren zu deren Herstellung und Anwendungsmöglichkeiten |
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| JP2012096542 A 20120524 | US20040609425P; | DOW CORNING; | B29C39/24; B29C39/02; B29C39/42; C08F290/06; C08F220/24; | LITHOGRAPHY TECHNIQUE USING SILICONE MOLDS |

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| AT539381T T 20120115 | US20040575953P;WO 2005US19340; | DOW CORNING;UNIV MICHIGAN; | G03F7/038; G03F7/075; | MATERIALZUSAMMENSETZUNG FÜR NANO- UND MIKROLITHOGRAFIE |
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| KR20120039698 A 20120425 | JP20090166167; | DOWA ELECTRONICS MATERIALS CO; | B22F1/00; B23K35/40; B23K35/22; B22F1/02; | BONDING MATERIAL AND BONDING METHOD EACH USING METAL NANOPARTICLES |
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| AU2010349580 A1 20120315 | WO2010JP64556; | DOWA ELECTRONICS MATERIALS CO;PCHEM ASSOCIATES INC; | C09C1/00; H01B1/00; | Low-temperature sintered silver nanoparticle composition and electronic articles formed using the same |
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| US2012083408 A1 20120405 | JP20090139927;JP20100116874;WO2010JP59492; | DOWA HOLDINGS CO LTD;UNIV TOHOKU; | B01J21/18; H01B1/04; D01F9/12; C01B31/00; | CARBON NANOTUBE AND METHOD FOR PRODUCING SAME |
| CN102459073 A 20120516 | JP20090139927;JP20100116874;WO2010JP59492; | DOWA HOLDINGS CO LTD;UNIV TOHOKU; | C01B31/02; | Carbon nanotubes and process for producing same |
| EP2431325 A1 20120321 | JP20090139927;JP20100116874;WO2010JP59492; | DOWA HOLDINGS CO LTD;UNIV TOHOKU; | C01B31/02; | CARBON NANOTUBES AND PROCESS FOR PRODUCING SAME |

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| US2012149832 A1 20120614 | DE200910020638;WO 2010EP02082; | DRITE PATENTPORTFOLIO BETELLIGUNGSGESELLS CHAGT MBH; | C08L33/08; | NON-AQUEOUS DISPERSION OF POLYMER PARTICLES IN REACTIVE DILUENT |
| US2012021297 A1 20120126 | DE200810052141;DE2 00810054187;WO200 9EP63682; | DRITTE PATENTPORFOLIO BETEILIGUNGMBH & CO KG; | H01M4/505; H01M4/64; H01M4/583; C23C14/14; H01M10/0525; H01M10/02; H01M4/66; H01M4/525; B05D5/12; H01M4/38; | LITHIUM ION BATTERY |
| US2012003463 A1 20120105 | US20050695548P;US 20060428132;US2010 0817909;US20111322 9297; | DRY CAROLYN; | B29C73/22; B32B3/26; | MULTIPLE FUNCTION, SELF-REPAIRING COMPOSITES WITH SPECIAL ADHESIVES |
| US2012035316 A1 20120209 | GB20040009448;US2 0070587402;US20111 3276196;WO2005EP0 4407; | DSM IP ASSETS BV; | C09J135/02; C08F216/04; C08F290/00; C08F216/14; C08F2/22; C09D133/24; C09J133/14; C09D135/02; C09D133/14; C09J133/24; C08F291/00; C08F293/00; C08F216/36; C08F4/26; C08F222/20; C08F2/38; | MACROMONOMERS AND GRAFT COPOLYMERS PREPARED BY EMULSION POLYMERIZATION WITH A COBALT CHELATE CHAIN TRANSFER AGENT |
| US2012128982 A1 20120524 | GB20060017480;US2 0090438591;US20121 3363114;WO2007EP0 7729; | DSM IP ASSETS BV; | B32B15/02; B05D7/02; | NOVEL NANOPARTICLES |
| US2012094136 A1 20120419 | EP20060014647;US20 090301506;US201113 313923;WO2007EP06 187; | DSM IP ASSETS BV; | C08F2/22; B32B29/04; C08F283/01; | PROCESS FOR PREPARING ORGANIC NANOPARTICLES |

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| CN102439097 A 20120502 | US20090180179P;US 20090180181P;US200 90180184P;US200901 80186P;WO2010US35 804; | DU PONT; | C09D11/02; H01L51/10; H01L31/04; C09D7/12; C23C18/04; C23C18/12; C09D11/00; C09D1/00; | Copper tin sulfide and copper zinc tin sulfide ink compositions |
| US2012061628 A1 20120315 | US20090180179P;US 20090180181P;US200 90180184P;US200901 80186P;US201013319 819;WO2010US35804 ; | DU PONT; | H01B1/20; H01B1/12; C09D11/00; | COPPER TIN SULFIDE AND COPPER ZINC TIN SULFIDE INK COMPOSITIONS |
| KR20120036872 A 20120418 | US20090180179P;US 20090180181P;US200 90180184P;US200901 80186P; | DU PONT; | C09D11/02; H01L31/04; C09D11/00; C23C18/04; | COPPER TIN SULFIDE AND COPPER ZINC TIN SULFIDE INK COMPOSITIONS |
| EP2432841 A1 20120328 | US20090180179P;US 20090180181P;US200 90180184P;US200901 80186P;WO2010US35 804; | DU PONT; | H01L31/04; C09D11/00; C09D1/00; C23C18/04; H01L51/10; C09D7/12; C09D11/02; C23C18/12; | COPPER TIN SULFIDE AND COPPER ZINC TIN SULFIDE INK COMPOSITIONS |
| CN102439098 A 20120502 | US20090180179P;US 20090180181P;US200 90180184P;US200901 80186P;WO2010US35 734; | DU PONT; | C23C18/04; H01L31/04; C09D11/00; H01L51/10; C09D11/02; | Copper zinc tin chalcogenide nanoparticles |
| US2012055554 A1 20120308 | US20090180179P;US 20090180184P;US201 013320156;WO2010U S35734; | DU PONT; | H01B1/02; B05D3/02; H01L31/0264; C09D11/00; B05D3/00; B05D7/24; | COPPER ZINC TIN CHALCOGENIDE NANOPARTICLES |

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| EP2432842 A1 20120328 | US20090180179P;US 20090180181P;US200 90180184P;US200901 80186P;WO2010US35 734; | DU PONT; | C23C18/04; C09D11/02; H01L51/10; H01L31/04; C09D11/00; | COPPER ZINC TIN CHALCOGENIDE NANOPARTICLES |
| RU2010129905 A 20120127 | US20070008063P; | DU PONT; | C09D177/12; H01F3/02; H01F41/02; C09D167/08; | ELECTRICAL STEEL COATING METHOD |
| CN102395627 A 20120328 | US20090172396P;WO 2010US32175; | DU PONT; | C08K3/00; C08L27/12; H01B1/12; C08J3/02; C08L101/12; | Electrically conductive polymer compositions and films made therefrom |
| US2012145966 A1 20120614 | US20090172396P;US 201013265002;WO20 10US32175; | DU PONT; | H01B1/12; | ELECTRICALLY CONDUCTIVE POLYMER COMPOSITIONS AND FILMS MADE THEREFROM |
| KR20120000113 A 20120103 | US20090172396P; | DU PONT; | C08L101/12; C08L27/12; H01B1/12; C08J5/18; | ELECTRICALLY CONDUCTIVE POLYMER COMPOSITIONS AND FILMS MADE THEREFROM |
| EP2421919 A2 20120229 | US20090172396P;WO 2010US32175; | DU PONT; | C08J3/02; C08L27/12; C08L101/12; C08K3/00; H01B1/12; | ELECTRICALLY CONDUCTIVE POLYMER COMPOSITIONS AND FILMS MADE THEREFROM |
| CN102349115 A 20120208 | US20090159624P;WO 2010US27115; | DU PONT; | H01B1/20; H01B1/12; | Electrically conductive polymer compositions for coating applications |
| EP2406796 A2 20120118 | US20090159624P;WO 2010US27115; | DU PONT; | H01B1/12; H01B1/20; | ELECTRICALLY CONDUCTIVE POLYMER COMPOSITIONS FOR COATING APPLICATIONS |
| CN102356045 A 20120215 | US20090161135P;WO 2010US27590; | DU PONT; | C01G23/053; C01G23/00; C01G23/08; | High temperature stable anatase titanium dioxide |
| EP2408716 A1 20120125 | US20090161135P;WO 2010US27590; | DU PONT; | C01G23/053; C01G23/00; C01G23/08; | HIGH TEMPERATURE STABLE ANATASE TITANIUM DIOXIDE |

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| KR20120006090 A 20120117 | US20040803114; | DU PONT; | H01B1/12; C08L79/04; C08K5/5317; C08L65/00; C08G61/12; C08L81/04; | ORGANIC FORMULATIONS OF POLYTHIOPHENES AND POLYPYRROLE POLYMERS MADEWITH POLYMERIC ACID COLLOIDS FOR ELECTRONICS APPLICATIONS |
| US2012029148 A1 20120202 | US20100846926; | DU PONT; | C08K9/06; C08L67/02; | POLYESTER NANOCOMPOSITES |
| US2012149852 A1 20120614 | US20100963927; | DU PONT; | C08G73/10; | POLYIMIDE NANOWEB WITH AMIDIZED SURFACE AND METHOD FOR PREPARING |
| CN102471499 A 20120523 | US20090221139P;WO2010US40286; | DU PONT; | C08K3/34; C08J5/00; | Process for the production of polyester nanocomposites and shapedarticles made thereof |
| EP2449003 A1 20120509 | US20090221139P;WO2010US40286; | DU PONT; | C08J5/00; C08K3/34; | PROCESS FOR THE PRODUCTION OF POLYESTER NANOCOMPOSITES AND SHAPEDARTICLES MADE THEREOF |
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| US2012060928 A1 20120315 | US20090180179P;US20090180181P;US20090180184P;US20090180186P;US201013319900;WO2010US35810; | DU PONT; | H01L21/368; H01L31/0272; | PROCESSES FOR PREPARING COPPER TIN SULFIDE AND COPPER ZINC TIN SULFIDEFILMS |
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| CN102413968 A 20120411 | US20090174590P;US 20090174591P;WO20 10US33380; | DU PONT; | B22F1/00; B22F9/24; | Silver particles and a process for making them |
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| KR20120013417 A 20120214 | US20090174592P;US 20090174594P;WO20 10US33401; | DU PONT; | B22F9/24; B22F1/00; | SILVER PARTICLES AND A PROCESS FOR MAKING THEM |
| EP2424692 A1 20120307 | US20090174590P;US 20090174591P;WO20 10US33380; | DU PONT; | B22F1/00; B22F9/24; | SILVER PARTICLES AND A PROCESS FOR MAKING THEM |
| EP2424691 A1 20120307 | US20090174592P;US 20090174594P;WO20 10US33401; | DU PONT; | B22F9/24; B22F1/00; | SILVER PARTICLES AND A PROCESS FOR MAKING THEM |
| US2012029222 A1 20120202 | US20100846922; | DU PONT; | C07F7/02; | SURFACE-MODIFIED PARTICLES FOR POLYESTER NANOCOMPOSITES |
| US2012085110 A1 20120412 | US20060841835P;US 20060841891P;US200 60841943P;US200608 41975P;US200709215 28P;US20090377645; US201113325966;WO 2007US19143; | DU PONT; | C09K5/04; F28D15/00; C07C21/18; F25D31/00; | TERPENE, TERPENOID, AND FULLERENE STABILIZERS FOR FLUOROOLEFINS |
| AT542776T T 20120215 | WO2006US49556; | DU PONT; | C01G49/02; C22B34/12; C01G23/053; C01G23/08; | VERFAHREN ZUR HERSTELLUNG VON TITANDIOXID |

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| WO2012002987 A1 20120105 | WO2010US40237; | DUONG BINH AU THANH;GANGOPADHYAY PALASH;THOMAS JAYAN;UNIV ARIZONA STATE; | H01G9/04; H01M4/133; C01B3/02; H01M4/1393; H01M10/0525; H01M4/587; | DOPED-CARBON NANO-ARCHITECTURED STRUCTURES AND METHODS FOR FABRICATING SAME |
| EP2419231 A2 20120222 | CH20090000630;WO2 010EP02349; | DVORAK MICHAEL;MIELEMEIER FRANZ; | B29C47/00; B22F1/00; B29C45/00; C23C24/00; B22F3/00; C23C4/00; C01B31/02; B29B7/00; | METHOD FOR POWDER COATING OR FOR PRODUCING COMPOSITE MATERIALS,PREFERABLY WHEN PROCESSING PLASTICS OR SPRAY COMPACTING METALS |
| CN102515141 A 20120627 | CN20111417098; | EAST CHINA INST TECHNOLOGY; | B82Y30/00; C01B31/02; B82Y40/00; | Method for synthesizing modified SWCNTs (Single Wall Carbon NanoTubes) based on Bergman cyclizing reaction |
| US2012149948 A1 20120614 | US20100963703; | EASTMAN CHEM CO; | C07C29/56; | PROCESS FOR THE ISOMERIZATION OF 2,2,4,4-TETRAALKYLCYCLOBUTANE-1,3-DIOLS |
| US2012149947 A1 20120614 | US20100963698; | EASTMAN CHEM CO; | C07C29/145; | PROCESS FOR THE PREPARATION OF 2,2,4,4- TETRAALKYLCYCLOBUTANE-1,3-DIOLS |
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| CN202205478U U 20120425 | US20090406509; | EATON CORP; | H01B1/04; H01R4/38; H01B1/02; H01B5/00; | Electric interface containing nano-particle layer |
| EP2409362 A2 20120125 | US20090406509;WO2 010IB00577; | EATON CORP; | H01R4/00; H01R4/58; | ELECTRICAL INTERFACES INCLUDING A NANO-PARTICLE LAYER |

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| US2012085328 A1 20120412 | DE200910001500;DE2 00910002183;WO201 0EP52671; | EBERSPAECHER J GMBH & CO; | C23C14/35; F02B23/00; | Internal Combustion Engine Having A Combustion Chamber Surface Coating Or Surface Coating Which Is Close To The Combustion Chamber And Method For Producing The Coating |
| EP2406476 A1 20120118 | DE200910001500;DE2 00910002183;WO201 0EP52671; | EBERSPAECHER J GMBH & CO;FRAUNHOFER GES FORSCHUNG; | C23C30/00; F02B77/02; C23C14/08; C23C14/16; C23C14/06; | INTERNAL COMBUSTION ENGINE HAVING A COMBUSTION CHAMBER SURFACE COATING OR SURFACE COATING WHICH IS CLOSE TO THE COMBUSTION CHAMBER AND METHOD FOR PRODUCING THE COATING |
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| KR20120057432 A 20120605 | KR20100119155; | EDMISTON PAUL L; | H01M4/92; H01M8/02; B01J23/89; B01J37/02; | Preparing method of Alloy Catalyst using Conductive polymer coating |
| US2012032111 A1 20120209 | US20050722619P; US20060537944; US20090560002; US201113025445; | EDMISTON PAUL L; | C09K3/00; | SOL-GEL DERIVED SORBENT MATERIAL CONTAINING A SORBATE INTERACTIVE MATERIAL AND METHOD FOR USING THE SAME |
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| US2012094214 A1 20120419 | FR20090054168;WO2 010FR51204; | ELECTRICITE DE FRANCE;UNIV TOULOUSE; | C04B35/46; C25B13/00; B32B5/00; G01N27/28; H01M8/12; C04B35/48; H01M8/10; B01D69/00; B01D71/02; | PRODUCTION OF SELF-SUPPORTING CERAMIC MATERIALS HAVING A REDUCED THICKNESS AND CONTAINING METAL OXIDES |
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| WO2012052501 A2 20120426 | GB20100017923;US2 0100405733P; | ELEMENT SIX ABRASIVES SA;NAIDOO KAVESHINI; | C01B31/06; C04B35/628; C04B35/52; C04B35/626; C04B35/645; C04B37/00; C04B35/63; | POLYCRYSTALLINE DIAMOND MATERIAL COMPRISING A METAL OXOANION, THE OXOANION BEING SELECTED FROM THE GROUP COMPRISING MOLYBDATES, TUNGSTATES, VANADATES, PHOSPHATES AND MIXTURES THEREOF |
| ES2372005T T3 20120112 | ZA20060004765; | ELEMENT SIX PRODUCTION PTY LTD; | C22C29/16; B24D3/14; C22C29/12; | MATERIALES COMPUESTOS ULTRADUROS. |
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| US2012088858 A1 20120412 | US20040983839;US20 080272252;US201113 331296; | ELINSKI RANDALL M;GUISELIN OLIVIER;HILLS RICHARD A;KALKANOGLU HUSNU;LE GOFF CHRISTELLEPOUSSE;QUI ST GREGORY P;RUEDE PAUL; | C08L23/06; C08L75/04; C08L63/00; C08K3/22; C08K7/16; C08K3/10; C08K3/34; C08L77/00; C08L81/06; C08L23/12; C08L67/00; C08L83/04; C08L27/06; | Polymer-Fiber Composite Building Material with Bulk and AestheticallyFunctional Fillers |

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| US2012012250 A1 20120119 | US20030651568;US20 1113235269; | ELLMAN BRETT;FAMBRO STEVE;HEINER DAVID;JONES AARON;LEBL MICHAL; | B01L3/00; B32B38/08; B01J19/00; B05D7/22; | METHODS OF FORMING AND USING A SOLID- PHASE SUPPORT |
| CZ303243 B6 20120613 | CZ20060000432; | ELMARCO S R O;UNIV KARLOVA; | B82Y40/00; D04H1/70; D04H1/72; D01D5/00; D01D5/11; D01F1/10; B82B1/00; A61L15/42; B82B3/00; | Structure containing at least one layer of nanofibers and process forproducing a nanofiber layer |
| US2012034141 A1 20120209 | WO2010US44705; | EMPIRE TECHNOLOGY DEV LLC; | B01J19/00; C01B35/04; | FLUORINE BASED VANADIUM BORIDE NANOPARTICLE SYNTHESIS |
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| US2012107743 A1 20120503 | WO2010US55269; | EMPIRE TECHNOLOGY DEV LLC; | G03F7/004; G03F7/20; G03B27/00; G03F7/029; | LITHOGRAPHY USING PHOTORESIST WITH PHOTOINITIATOR AND PHOTOINHIBITOR |
| US2012067737 A1 20120322 | US20100343696P;US 201113322801;WO20 11US34938; | EMPIRE TECHNOLOGY DEV LLC; | C25C1/00; C25C1/24; C25C7/06; | METHOD AND APPARATUS FOR FORMING PARTICLES AND FOR RECOVERINGELECTROCHEMICALLY REACTIVE MATERIAL |
| US2012012533 A1 20120119 | WO2010US42099; | EMPIRE TECHNOLOGY DEV LLC; | B01D21/01; | NANOPARTICLE FILTER |
| US2012128869 A1 20120524 | WO2010US50674; | EMPIRE TECHNOLOGY DEV LLC; | B05D5/12; C09K5/06; B05C11/00; | PHASE CHANGE ENERGY STORAGE IN CERAMIC NANOTUBE COMPOSITES |

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| WO2012018346 A1 20120209 | WO2010US44705; | EMPIRE TECHNOLOGY DEV LLC;KRUGLICK EZEKIEL; | C01B35/04; | FLUORINE BASED VANADIUM BORIDE NANOPARTICLE SYNTHESIS |
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| WO2012070594 A1 20120531 | JP20100261863;WO2 011JP61692; | ENOMURAMASAKAZU;HO NDA DAISUKE;M TECH CO LTD;MAEKAWA MASAKI; | B82Y30/00; C09B67/42; C09B67/20; C09B67/12; C09B67/22; C09B67/02; | HIGHLY HEAT-RESISTANT PHTHALOCYANINE |
| US2012148650 A1 20120614 | US20100421775P;US 201113213964; | ENVIROHOLD INC; | C09D129/04; A01N61/00; C08K3/22; A01N59/16; C08K5/17; C09D131/04; A01N25/26; A61L9/01; A01P17/00; | MULCH-MODIFYING SPRAYABLE LATEX |
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| US2012128781 A1 20120524 | US20070924160P;US 20080598410;WO2008SG00160; | ERATHODIYIL NANDANAN;JANA NIKHIL R;YING JACKIE Y; | A61K47/36; A61K9/14; C08B37/08; | FUNCTIONALIZATION OF NANOPARTICLES BY GLUCOSAMINE DERIVATIVES |
| US2012146743 A1 20120614 | US20100964673; | ERMOLOV VLADIMIR; | B32B38/10; H01P1/18; B32B37/14; B44C1/17; | Apparatus And Associated Methods |
| WO2012076745 A1 20120614 | US20100964673; | ERMOLOV VLADIMIR;NOKIA CORP; | H01L29/16; H01L21/18; H01P1/18; H01P11/00; | A VOLTAGE-TUNABLE PHASE SHIFTER AND ASSOCIATED METHODS |
| WO2012069882 A1 20120531 | WO2010IB55417; | ERMOLOV VLADIMIR;NOKIA CORP; | B82Y30/00; H01L41/047; H03H9/17; | PIEZOELECTRIC RESONATOR |
| US2012118203 A1 20120517 | DE200910023402;WO 2010EP03198; | ESK CERAMICS GMBH & CO KG; | B05D3/02; B32B5/16; C09D1/00; B05D3/12; B05D3/00; C09D7/12; B32B33/00; | SUSPENSION FOR PRODUCING A LAYER INCREASING THE COEFFICIENT OFFRICTION, MOLDED PART HAVING SUCH A LAYER INCREASING THE COEFFICIENT OF FRICTION, METHOD FOR THE PRODUCTION THEREOF, AND USE THEREOF |
| US8168495 B1 20120501 | US20060882890P;US 20070966693; | ETAMOTA CORP; | H01L29/72; | Carbon nanotube high frequency transistor technology |
| US2012076711 A1 20120329 | EP20090007467;US20090151516P;US201013201116;WO2010EP00759; | ETH ZUERICH; | C08F116/06; C08B1/00; B29C47/00; C08G63/183; C09K3/00; B01D53/02; C08F120/44; C08F120/06; C08B16/00; C08F126/02; C08G63/91; B32B3/00; C08H7/00; B01J19/00; B32B1/08; C08B37/08; B05D1/18; D02G3/00; | AMINE CONTAINING FIBROUS STRUCTURE FOR ADSORPTION OF CO2 FROMATMOSPHERIC AIR |
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| US2012148646 A1 20120614 | EP20090010656;WO2 010CH00200; | ETH ZUERICH;UNIV ZUERICH; | A61K6/02; A61P31/00; A61K33/08; A61P1/02; A61K9/14; | RADIO-OPAQUE BIOACTIVE GLASS MATERIALS |
| US2012015099 A1 20120119 | US20100837307; | EVERSPIN TECHNOLOGIES INC; | B05D5/00; | STRUCTURE AND METHOD FOR FABRICATING A MAGNETIC THIN FILM MEMORYHAVING A HIGH FIELD ANISOTROPY |
| TW201202353 A 20120116 | DE201010002244; | EVONIK CARBON BLACK GMBH; | C08L21/00; C09C1/50; | Carbon black, method for the production thereof, and use thereof |
| AR080240 A1 20120321 | DE201010002244; | EVONIK CARBON BLACK GMBH; | C09C1/48; | NEGRO DE CARBONO, PROCEDIMIENTO PARA SU PREPARACION Y SU USO |
| US2012068110 A1 20120322 | DE200910022627;WO 2010EP55508; | EVONIK GOLDSCHMIDT GMBH; | C04B35/01; C03C14/00; C07F7/18; C07F7/02; C04B28/14; C04B35/10; C08K5/5419; C04B28/06; C04B35/515; C04B35/00; C04B28/26; C09K3/00; C04B35/58; C04B35/52; C04B24/40; C04B35/56; | Hydroxyl Compounds Carrying Reactive Silyl Groups And Used As CeramicBinders |

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| US2012164900 A1 20120628 | DE200910036120;WO 2010EP04483; | EWALD DIRK;HASSON TAREQ;REICHWEIN HEINZ-GUNTER; | C08K3/22; B32B5/02; B32B18/00; B32B9/04; B32B17/10; C08K3/04; C08K3/08; D03D9/00; B05D7/00; | COATED REINFORCEMENT |
| EP2454352 A1 20120523 | US20090271109P;US 20100835503;WO201 0US42228; | EXXONMOBIL RES & ENG CO; | C10M149/12; C10M145/22; | REDUCED FRICTION LUBRICATING OILS CONTAINING FUNCTIONALIZED CARBONNANOMATERIALS |
| WO2012064711 A2 20120518 | US20100943131; | EXXONMOBIL RES & ENG CO;GALUSKA ALAN A;STERN DAVID L;WANG KUN;WU MARGARET M; | H01L49/02; B82Y40/00; B82Y99/00; H01L49/00; | PROCESS FOR MAKING BASESTOCKS FROM RENEWABLE FEEDSTOCKS |
| WO2012045302 A2 20120412 | DE201010047690; | FALZ WOLFGANG;FISCHER GERD;MEGERLE CLEMENS;VER SCHMIRGEL & MASCHF; | C04B35/109; B24D3/00; C04B35/111; C09K3/14; C04B35/653; | METHOD FOR PRODUCING ZIRCONIA- REINFORCED ALUMINA GRAINS AND GRAINS, IN PARTICULAR ABRASIVE GRAINS, PRODUCED BY SAID METHOD |
| WO2012033896 A1 20120315 | US20100877412; | FAN WEI;LIU XIANG;MARINER JOHN;MOMENTIVE PERFORMANCE MAT INC; | F28F7/00; | THERMALLY PYROLYTIC GRAPHITE LAMINATES WITH VIAS |
| US2012091451 A1 20120419 | NZ20090576207;WO2 010NZ00068; | FANG FANG;FUTTER RICHARD JOHN;KENNEDY JOHN VEDAMUTHU;MARKWITZ ANDREAS; | H01L29/12; B05D5/12; C23C16/513; H05H1/48; | Zinc Oxide Nanostructures and Sensors Using Zinc Oxide Nanostructures |
| TW201214470 A 20120401 | TW20100133392; | FAR EASTERN NEW CENTURY CORP; | H01B13/00; H01B5/14; | Transparent conductive film having high optical transmittance andmethod for manufacturing the same |

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| AT545019T T 20120215 | DE20011049947; | FEBIT HOLDING GMBH; | C12Q1/68; B01J19/00; B01L3/00; C12N15/10; G01N33/53; G01N30/00; | MIKROFLUIDISCHES EXTRAKTIONSVERFAHREN |
| RU2443748 C1 20120227 | RU20100137364; | FEDERAL NOE G AVTONOMNOE OBRAZOVATEL NOE UCHREZH DENIE VYSSHEGOPROFESSION AL NOGO OBRAZOVANIJA URAL S; | C09K11/58; C09K11/59; B82Y40/00; B82B3/00; | METHOD OF PRODUCING NANOCOMPOSITE LUMINOPHOR IN FORM OF QUARTZ GLASSCONTAINING COPPER NANOCLUSTERS |
| RU2010135183 A 20120227 | RU20100135183; | FEDERAL NOE G BJUDZHETNOE OBRAZOVATEL NOE UCHREZH DENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA KABAR; | C25C5/00; B82Y40/00; | METHOD FOR OBTAINING NANODISPERSE POWDERS OF DOUBLE TUNGSTEN AND MOLYBDENUM CARBIDES |
| EA201100199 A1 20120228 | EA20110000199; | FEDERALNOE G UCHREZH DENIE NP KOMPLEKS T TS MO GINST ELEKTRONNOJ TEKHN STATE ENTPR; | C01B31/02; B82B3/00; B82Y30/00; B82B1/00; | METHOD OF FORMING CARBONIC NANOSTRUCTURES AND NANOSTRUCTURES PRODUCED BY THE METHOD |
| EA201100820 A1 20120530 | EA20110000820; | FEDERALNOE G UCHREZH DENIE NP KOMPLEKS T TS MO GINST ELEKTRONNOJ TEKHN; | B82Y40/00; C01B31/02; | PROCESS FOR FORMING BULKS OF CARBON NANOTUBES |

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| US2012164389 A1 20120628 | US20100979658; | FELDBAUMMICHAEL;HSU YAUTZONG;HU WEI;KUO DAVID;LEE KIM YANG;VAN DE VEERDONK RENE JOHANNES MARINUS;WANG HONGYING;XIAO SHUAIGANG;YANG HENRY;YANG XIAOMIN;YU ZHAONING; | B29C59/02; B29C33/38; B32B18/00; B32B3/30; C23F1/00; | IMPRINT TEMPLATE FABRICATION AND REPAIR BASED ON DIRECTED BLOCKCOPOLYMER ASSEMBLY |
| WO2012031645 A1 20120315 | DE201010044553;DE2 01110012930; | FELDMANN CLAUS;KARLSRUHER INST TECHNOLOGIE;UNGELEN K JAN; | B01J23/30; B01J23/00; C01G41/00; B01J35/00; | TIN TUNGSTATE-BASED PHOTOCATALYST AND PRODUCTION THEREOF |
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| WO2012011016 A1 20120126 | IT2010TO00621; | FIAT RICERCHE;PULLINI DANIELE; | C08J5/00; C08K3/22; | METHOD FOR PRODUCING NANOCOMPOSITE MATERIALS WITH POLYMERIC MATRIX,AND CORRESPONDING NANOCOMPOSITE MATERIALS |
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| WO2012067926 A1 20120524 | US20100413664P; | FIELD CHRISTOPHER;INHYUN JIN;PEHRSSON PEHR E;US GOV SEC NAVY; | H01L29/84; G01R27/26; | PERFORATED CONTACT ELECTRODE ON VERTICAL NANOWIRE ARRAY |
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| US2012070598 A1 20120322 | CH20090000803;WO2 010EP56932; | FISCHER GEORG ROHRLEITUNG; | C08L27/06; C08L27/16; C09K5/14; B29C45/00; C08L55/02; B32B1/08; C08K7/06; C08L23/12; C08L23/06; | POLYOLEFIN COMPOSITION |
| US2012040356 A1 20120216 | US20040592803P;US 20040592804P;US200 40592823P;US200405 92824P;US200405928 25P;US20050193789; US201113081826; | FISCHER-COLBRIE MARK;HUSSA ROBERT O;LAPOINTE JEROME P;SENYEI ANDREW;SHORTER SIMON; | G01N33/577; C12Q1/68; G01N33/566; | Methods for Detecting Oncofetal Fibronectin |
| US2012156257 A1 20120621 | FR20100060685;US20 1061424282P;US2011 13329999;WO2011IB5 5727; | FLAMEL TECH SA; | A61K9/00; | METHOD FOR THE PREPARATION OF NANOPARTICLES |
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| FR2968994 A1 20120622 | FR20100060685; | FLAMEL TECH SA; | B82Y5/00; B82Y40/00; A61K9/16; A61K47/30; A61K9/51; | PROCEDE DE PREPARATION DE NANOPARTICULES |

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| US2012000525 A1 20120105 | US20070916727P;US 20070944004P;US200 70947139P;US200801 08500;US2011131753 39; | FLOOD DENNIS J; | H01L31/0248; H01L31/0224; H01L31/02; | NANOSTRUCTURED SOLAR CELLS |
| US2012128562 A1 20120524 | US20080099000P;US 200913119507;WO20 09US57781; | FLYTZANI- STEPHANOPOULOS MARIA;SHE XIAOYAN; | B01D53/72; B01J23/50; B01J38/04; B01J23/89; B01D53/94; B01J21/02; B01J23/52; B01D53/56; | TREATING CATALYSTS |
| KR20120059244 A 20120608 | KR20100120913; | FORGAN ROSS S;GASSESMITH JEREMIAH J;SMALDONE RONALD A;STODDART J FRASER; | H01M4/88; H01M4/90; B01J37/16; B82B3/00; | Methods of preparation of electrocatalysts for fuel cells in core-shell structure and the electrocatalysts |
| US2012070904 A1 20120322 | US20100314889P;US 20100351704P;US201 113050709; | FORGAN ROSS S;GASSESMITH JEREMIAH J;SMALDONE RONALD A;STODDART J FRASER; | G01N31/22; C08B37/16; | NANOPOROUS CARBOHYDRATE FRAMEWORKS AND THE SEQUESTRATION AND DETECTION OF MOLECULES USING THE SAME |
| WO2012058775 A1 20120510 | US20100409752P; | FORREST JAMES ARTHUR;HALLBRADLEY JORDAN;JONES LYNDON WILLIAM JAMES; | B82Y20/00; G02C7/10; B82Y30/00; G02C7/04; | METHOD FOR ALTERING THE OPTICAL DENSITY AND SPECTRAL TRANSMISSION OR REFLECTANCE OF CONTACT LENSES |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
|-------------------------------|-------------------------------------|--|---|---|
| WO2012083442 A1 20120628 | US201061424868P; | FORTIN MARC- ANDRE;LAROCHE GAETAN;LETOURNEAU MATHIEU;SARRA- BOURNET CHRISTIAN;UNIV LAVAL; | B82Y25/00; C25C5/02; G21G4/00; C30B29/02; H01F1/06; G01N33/58; A61K51/12; C30B7/00; | RADIOACTIVE AND/OR MAGNETIC METAL NANOPARTICLES AND PROCESS AND APPARATUS FOR SYNTHESIZING SAME |
| CN102464304 A 20120523 | CN20101544562; | FOSHAN GAOMING DISTR CHINESE ACADEMY OF SCIENCES NEW MATERIAL PROFESSIONAL CT; INST PROCESS ENG CAS; | B82Y40/00; C01F17/00; C01G49/06; C01G9/02; C01B13/14; C01G3/02; C01G51/04; C01G53/04; | Multi-shell-layer metal oxide hollow ball and preparation method thereof |
| CN102465327 A 20120523 | CN20101545851; | FOXCONN KUNSHAN COMP CONNECTOR; HON HAI PREC IND CO LTD; | C25D13/00; B82Y40/00; | Forming method of nanotube upright cluster |
| US2012043491 A1 20120223 | DE200710061513; WO 2008EP10633; | FRAUNHOFER GES FORSCHUNG; | C07C211/08; B32B5/16; C08F10/06; C07C69/22; C08L23/06; C07C9/22; C07C9/15; C07C19/08; C07J9/00; C08F10/02; E04B1/74; C07F17/02; F21V9/00; C07C31/125; | DOPING CAPSULES, COMPOSITE SYSTEMS CONTAINING SAID CAPSULES AND USE THEREOF |
| KR20120016018 A 20120222 | DE201010034293; | FRAUNHOFER GES FORSCHUNG; | B82B3/00; B82Y40/00; | METHOD FOR PRODUCING A DISPERSION OF NANOPARTICLES |
| US2012037856 A1 20120216 | DE201010034293; | FRAUNHOFER GES FORSCHUNG; | H01B1/04; H01B1/02; | METHOD FOR PRODUCING A DISPERSION OF NANOPARTICLES |
| DE102011010756 A1 20120315 | DE201010045306; DE2 01110010756; | FRAUNHOFER GES FORSCHUNG; | B82B1/00; G01N33/52; G01N21/63; B82B3/00; G01N33/58; A61B19/00; | Photostimulierbare Partikelsysteme, Verfahren zu deren Herstellung sowie Verwendungszwecke |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
|-------------------------------|-----------------------------------|---|---|--|
| US2012088229 A1 20120412 | EP20090001679;WO2 010EP00769; | FRAUNHOFER GES FORSCHUNG; | G01N33/566; C25D15/00; C12Q1/70; G01N33/48; G01N21/00; C12M1/34; C12Q1/04; B05D5/06; | SURFACE PLASMON RESONANCE SENSOR |
| DE102010034293 A1 20120216 | DE201010034293; | FRAUNHOFER GES FORSCHUNG; | B22F9/18; | Verfahren zur Herstellung einer Dispersion von Nanopartikeln |
| DE102010033924 A1 20120209 | DE201010033924; | FRAUNHOFER GES FORSCHUNG; | B22F9/24; C09D5/24; C09D11/02; | Verfahren zur Herstellung von Nanopartikeln aus einem Edelmetall und die Verwendung der so hergestellten Nanopartikel |
| EP2414558 A1 20120208 | DE200910002129;WO 2010EP53436; | FRAUNHOFER GES FORSCHUNG;SPAWNT PRIVATE SARL; | C23C16/32; C23C16/30; | BODIES COATED BY SIC AND METHOD FOR CREATING SIC-COATED BODIES |
| US2012164348 A1 20120628 | DE200910023403;WO 2010EP03275; | FRAUNHOFER GES FORSCHUNG;UNIV ALBERT LUDWIGS FREIBURG; | B05D3/06; B05D5/12; | METHOD FOR THE STRUCTURED COATING OF SUBSTRATES |
| SG178444 A1 20120329 | US20090235806P;WO 2010US46071; | FREE JAMES J; | B82Y30/00; C08G18/6644; C08J5/005; C08G18/758; C08G18/0823; C08G18/12; C09D175/06; C08G18/348; C08G18/4216; C08G18/4238; C08K3/26; C08J2375/04 | HYDROLYTICALLY STABLE POLYURETHANE NANOCOMPOSITES |
| US2012111614 A1 20120510 | US20100927392; | FREE JAMES J; | H05K1/09; | Integrated composite structure and electrical circuit utilizing carbonfiber as structural materials and as electric conductor |
| DE102010037278 A1 20120308 | DE201010037278; | FREITAG HANS;UNIV CHEMNITZ TECH; | H01L31/18; H01L31/0392; C23C18/00; | Manufacture of silicon-based layer involves applying siliconnanoparticles-containing suspension on substrate, applying silicon-based compound-precursor solution containing organohalosilane compound, and further applying silicon-based ink |

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| WO2012025105 A1 20120301 | DE201010029190; | FRITZEN PETRA;ROHE BERND;SACHTLEBEN CHEMIE GMBH; | C09C1/36; C09C3/12; C09C1/06; C09C1/02; | FUNCTIONALIZED PARTICLES AND USE THEREOF |
| WO2012024621 A2 20120223 | US20100375543P;US 20100375586P;US201 00375635P; | FU FEN-NI;GAO YUN;ILYINSKII PETR;LIPFORD GRAYSON B;SELECTA BIOSCIENCES INC; | A61K38/16; A61K39/145; | SYNTHETIC NANOCARRIER VACCINES COMPRISING PEPTIDES OBTAINED OR DERIVED FROM HUMAN INFLUENZA A VIRUS HEMAGGLUTININ |
| US2012032566 A1 20120209 | CN20101241999; | FU TAI HUA IND SHENZHEN CO LTD;HON HAI PREC IND CO LTD; | B29C67/24; H05K5/02; | HOUSING AND FABRICATION METHOD THEREOF |
| CN102369162 A 20120307 | JP20090095013;WO2 010JP56171; | FUJI CERAMICS CORP;SAKAI CHEMICAL INDUSTRY CO;UNIV TOHOKU; | C01G33/00; H01L41/187; H01L41/24; | Method for producing alkali metal niobate particles, and alkali metalniobate particles |
| US2012064344 A1 20120315 | JP20090095013;WO2 010JP56171; | FUJI CERAMICS CORP;SAKAI CHEMICAL INDUSTRY CO;UNIV TOHOKU; | C01G33/00; | METHOD FOR PRODUCING ALKALI METAL NIOBATE PARTICLES, AND ALKALI METALNIOBATE PARTICLES |
| EP2418174 A1 20120215 | JP20090095013;WO2 010JP56171; | FUJI CERAMICS CORP;SAKAI CHEMICAL INDUSTRY CO;UNIV TOHOKU; | H01L41/24; H01L41/187; C01G33/00; | METHOD FOR PRODUCING ALKALI METAL NIOBATE PARTICLES, AND ALKALI METALNIOBATE PARTICLES |
| CN102385270 A 20120321 | JP20100188351;JP20 100275026; | FUJI XEROX CO LTD; | G03G9/113; G03G9/08; | Tin-zinc complex oxide powder, method for producing the same,electrophotographic carrier, and electrophotographic developer |
| US2012052435 A1 20120301 | JP20100188351;JP20 100275026; | FUJI XEROX CO LTD; | C01G19/02; G03G9/00; | TIN-ZINC COMPLEX OXIDE POWDER, METHOD FOR PRODUCING THE SAME,ELECTROPHOTOGRAPHIC CARRIER, AND ELECTROPHOTOGRAPHIC DEVELOPER |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| JP2012066990 A 20120405 | JP20100188351;JP20 100275026; | FUJI XEROX CO LTD; | C01G19/00; G03G9/113; H01B1/08; | TIN-ZINC COMPLEX OXIDE POWDER, METHOD FOR PRODUCING THE SAME,ELECTROPHOTOGRAPHIC CARRIER, AND ELECTROPHOTOGRAPHIC DEVELOPER |
| CN102491301 A 20120613 | CN20111399954; | FUJIAN MATTER STRUCTURE; | B82Y40/00; C01B25/37; | Bismuth phosphate nanometer powder body and preparation method thereof |
| CN102464348 A 20120523 | CN20101550740;CN2 0111242657; | FUJIAN MATTER STRUCTURE; | C01F17/00; B82Y40/00; | Hydrothermal preparation method of lutetium oxide nanometer powder |
| CN102502749 A 20120620 | CN20111325315; | FUJIAN WANQI NON METAL MATERIALS CO LTD; | C01F11/18; B82Y40/00; | Method for preparing rose calcium carbonate from low-grade limestone |
| CN102502748 A 20120620 | CN20111321637; | FUJIAN WANQI NON METAL MATERIALS CO LTD; | B82Y40/00; C01F11/18; | Microwave method for preparing rose-shaped calcium carbonate |
| US2012015302 A1 20120119 | JP20090088557;JP20 090205362;WO2010J P56041; | FUJIFILM CORP; | G03F7/004; G03F7/20; G03F7/027; | ACTINIC RAY-SENSITIVE OR RADIATION- SENSITIVE RESIN COMPOSITION ANDPATTERN FORMING METHOD USING THE SAME |
| US2012088189 A1 20120412 | JP20090138312;WO2 010JP59890; | FUJIFILM CORP; | G03F7/20; G03F7/004; | CONDUCTIVE COMPOSITION, TRANSPARENT CONDUCTIVE FILM, DISPLAY ELEMENTAND INTEGRATED SOLAR BATTERY |
| KR20120038438 A 20120423 | JP20090138312; | FUJIFILM CORP; | H01B1/22; G03F7/004; H01L31/04; H01B5/14; | CONDUCTIVE COMPOSITION, TRANSPARENT CONDUCTIVE FILM, DISPLAY ELEMENTAND INTEGRATED SOLAR BATTERY |
| JP2012033466 A 20120216 | JP20100152042;JP20 110082037; | FUJIFILM CORP; | B82Y30/00; G06F3/041; G06F3/044; G06F3/045; H01B13/00; B32B15/02; | CONDUCTIVE LAYER TRANSFER MATERIAL, AND TOUCH PANEL |
| US2012076950 A1 20120329 | JP20100088344;JP20 110048810;WO2011J P58861; | FUJIFILM CORP; | C08F120/68; C08J7/18; C07C67/52; B29C59/02; C08F120/22; | CURABLE COMPOSITION FOR IMPRINTS AND PRODUCING METHOD OF POLYMERIZABLEMONOMER FOR IMPRINTS |

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| TW201214040 A 20120401 | JP20100215795;JP20 110180798; | FUJIFILM CORP; | B29C59/02; H01L21/027; G03F7/004; | Curable composition for imprints, producing method thereof, patternforming method, and producing apparatus for curable composition for imprints |
| TW201205642 A 20120201 | JP20100090080; | FUJIFILM CORP; | B29C59/02; H01L21/027; | Formation method of pattern and fabricating method of patterned substrate |
| CN102365767 A 20120229 | JP20090082791;WO2 010JP02288; | FUJIFILM CORP; | H01L51/50; | Light emitting device |
| US2012043532 A1 20120223 | JP20090082791;WO2 010JP02288; | FUJIFILM CORP; | H01L51/52; | LIGHT EMITTING DEVICE |
| KR20120003439 A 20120110 | JP20090082791; | FUJIFILM CORP; | H01L51/50; | LIGHT EMITTING DEVICE |
| EP2415094 A1 20120208 | JP20090082791;WO2 010JP02288; | FUJIFILM CORP; | H01L51/50; | LIGHT EMITTING DEVICE |
| TW201201250 A 20120101 | JP20100060919; | FUJIFILM CORP; | B05C5/02; H01L21/027; | Liquid application apparatus, liquid application method and imprinting system |
| JP2012011310 A 20120119 | JP20100150365; | FUJIFILM CORP; | B05D7/00; B05D5/06; B05C5/00; B05D1/26; B05C11/10; H01L21/027; | LIQUID APPLICATION DEVICE AND LIQUID APPLICATION METHOD, AND NANO IN-PRINT SYSTEM |
| TW201208888 A 20120301 | JP20100150365; | FUJIFILM CORP; | B41J2/07; B29C59/02; B05B9/03; | Liquid application device, liquid application method, and nanoimprint system |
| JP2012015324 A 20120119 | JP20100150366; | FUJIFILM CORP; | B05C11/10; B05C5/00; B05D5/06; H01L21/027; B29C59/02; B05D1/26; B05D7/00; | LIQUID COATING APPARATUS AND METHOD AND NANO IN-PRINT SYSTEM |
| TW201208889 A 20120301 | JP20100150366; | FUJIFILM CORP; | B29C59/02; B05B9/03; B41J2/07; | Liquid coating device, method for coating liquid, and nanoprint system |
| US2012080638 A1 20120405 | JP20100222030;JP20 110011563;JP201102 06805; | FUJIFILM CORP; | H01F1/36; C01G49/02; | MAGNETIC RECORDING MEDIUM, MAGNETIC RECORDING-USE MAGNETIC POWDER AND METHOD OF PREPARING THE SAME |
| TW201202413 A 20120116 | JP20100149850;JP20 110116598; | FUJIFILM CORP; | B41J2/165; G03F7/027; C11D7/26; B29C59/02; H01L21/027; | Maintenance liquid |

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| US2012004385 A1 20120105 | JP20100149850;JP20 110116598; | FUJIFILM CORP; | C08F220/26; C07C69/73; C08G63/66; C07C69/66; C07C69/76; C07C43/13; C08G63/06; | MAINTENANCE LIQUID |
| KR20120002452 A 20120105 | JP20100149850;JP20 110116598; | FUJIFILM CORP; | C11D7/26; B41J2/165; | MAINTENANCE LIQUID |
| JP2012031389 A 20120216 | JP20100149850;JP20 110116598; | FUJIFILM CORP; | B29C59/02; C11D17/08; C11D7/26; C11D7/50; | MAINTENANCE LIQUID |
| CN102317010 A 20120111 | JP20090034211;WO2 010JP52371; | FUJIFILM CORP; | B22F1/02; B22F9/08; B22F9/02; B22F1/00; B82B3/00; B22F9/24; B82B1/00; C25D11/20; C25D11/18; | Metal member |
| EP2434342 A1 20120328 | JP20100215795;JP20 110180798; | FUJIFILM CORP; | G03F7/00; | Method for producing curable composition for imprints |
| KR20120031908 A 20120404 | JP20100215795;JP20 110180798; | FUJIFILM CORP; | B29C59/02; C08J3/00; B01D37/00; C08L101/00; | METHOD FOR PRODUCING CURABLE COMPOSITION FOR IMPRINTS |
| US2012076948 A1 20120329 | JP20100215795;JP20 110180798; | FUJIFILM CORP; | C08F22/14; C08F22/24; C08F20/18; B01D35/02; C08F2/12; C08J7/04; C08F22/20; | METHOD FOR PRODUCING CURABLE COMPOSITION FOR IMPRINTS |
| JP2012094821 A 20120517 | JP20100215795;JP20 110180798; | FUJIFILM CORP; | B29C59/02; H01L21/027; | METHOD OF PRODUCING CURABLE COMPOSITION FOR IMPRINT |
| JP2012111925 A 20120614 | JP20090295062;JP20 100246870;JP201002 83875; | FUJIFILM CORP; | C08L1/32; C08K5/3492; C08K3/32; C08K5/49; C08K3/02; C08L61/06; C08K3/38; | MOLDING MATERIAL, MOLDED BODY, PRODUCTION METHOD THEREOF, AND CASINGFOR ELECTRIC OR ELECTRONIC EQUIPMENT |
| JP2012069762 A 20120405 | JP20100213692; | FUJIFILM CORP; | H01L21/027; B29C59/02; | NANOIMPRINT METHOD AND METHOD OF PROCESSING SUBSTRATE THEREWITH |
| TW201214517 A 20120401 | JP20100213692; | FUJIFILM CORP; | B29C59/02; H01L21/027; | Nanoimprinting method and method of manufacturing substrate using thesame |

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|-----------------------------|--------------------------------|---|---|--|
| JP2012079933 A 20120419 | JP20100224031; | FUJIFILM CORP; | C22C9/05; C22C9/01; H01L21/288; H01L21/3205; C22C1/00; C22C9/02; H01B13/00; H01B1/22; C22C9/10; H01L23/52; C22C9/00; H01L21/28; C22C9/06; | WIRING MATERIAL, MANUFACTURING METHOD OF WIRING, AND NANOPARTICLEDISPERSION |
| WO2012002301 A1 20120105 | JP20100150366; | FUJIFILM CORP;KODAMA KENICHI;KODAMA KUNIIHIKO;OMATSU TADASHI;WAKAMATSU SATOSHI; | B05C5/00; H01L21/027; B05D5/06; B05D7/00; B29C59/02; B05C11/10; B05D1/26; | APPARATUS FOR APPLYING LIQUID, METHOD FOR APPLYING LIQUID, ANDNANO-IMPRINT SYSTEM |
| WO2012002556 A1 20120105 | JP20100150365; | FUJIFILM CORP;KODAMA KENICHI;KODAMA KUNIIHIKO;OMATSU TADASHI;WAKAMATSU SATOSHI; | B05C5/00; B05C11/10; H01L21/027; B05D1/26; | LIQUID APPLICATION DEVICE, LIQUID APPLICATION METHOD, AND NANOIMPRINTSYSTEM |
| WO2012039517 A1 20120329 | JP20100213692; | FUJIFILM CORP;OMATSU TADASHI;WAKAMATSU SATOSHI; | B29C59/02; H01L21/027; | NANOIMPRINTING METHOD AND METHOD FOR PRODUCING SUBSTRATES UTILIZINGTHE NANOIMPRINTING METHOD |
| US2012141678 A1 20120607 | US20060867366P;US 20070945107; | FUJIFILM DIMATIX INC; | B05D1/26; C09D11/02; B05D5/00; | Carbon Nanotube Ink |
| US2012065293 A1 20120315 | GB20090008483;WO2 010GB50731; | FUJIFILM IMAGING COLORANTS LTD; | C08K3/04; C09D11/10; B41J2/175; | Process, Pigment and Ink |
| EP2432838 A1 20120328 | GB20090008483;WO2 010GB50731; | FUJIFILM IMAGING COLORANTS LTD; | C09B69/00; B01J13/14; C09D11/00; C09D17/00; | PROCESS, PIGMENT AND INK |
| US2012082780 A1 20120405 | JP20100224031; | FUJII TAKAMICHI; | B05D5/12; H01B1/02; B05D3/02; | WIRING MATERIAL, METHOD OF MANUFACTURING WIRING, AND NANO-PARTICLEDISPERSION |
| US2012048111 A1 20120301 | JP20090113817;WO2 010JP03163; | FUJIMOTO KENICHIRO;NAKAO KENJI;SUZUKI KIMIHITO;TAIRAHATSUO; | B01J20/06; B01D53/04; | HYBRID ADSORBENT AND METHOD OF CAPTURING CARBON DIOXIDE IN GAS |

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| US2012058030 A1 20120308 | JP20090121045;JP20 100083934;WO2010J P03347; | FUJIMOTO KENICHIRO;SUZUKI KIMIHITO; | B01J37/08; B01J37/10; B01J38/12; B01D53/86; B01J21/10; B01J38/06; | CATALYST FOR REFORMING TAR- CONTAINING GAS, METHOD FOR PREPARING CATALYST FOR REFORMING TAR CONTAINING GAS, METHOD FOR REFORMING TAR-CONTAINING GAS USING CATALYST FOR REFORMING TAR-CONTAINING GAS, AND METHOD FOR REGENERATING CATALYST FOR REFORMING TAR-CONTAINING GAS |
| WO2012026522 A1 20120301 | JP20100191184; | FUJIMOTO OSAMU;KOYAMA YOSHINARI;NISSAN CHEMICAL IND LTD;SHINJI TOMONARI; | C09C1/04; C09D201/00; C09D7/12; C01G30/02; C09C3/08; C09C3/10; | DISPERSION IN HYDROPHOBIC ORGANIC SOLVENT OF SURFACE-MODIFIED COLLOIDAL PARTICLES OF ANHYDROUS ZINC ANTIMONATE, COATING COMPOSITION CONTAINING SAME, AND COATED MEMBER |
| US2012082787 A1 20120405 | JP20090080307;WO2 010JP54602; | FUJITA JUN-ICHI; | B05D3/02; C23C16/28; | METHOD FOR PRODUCING GRAPHENE FILM, METHOD FOR MANUFACTURING ELECTRONIC ELEMENT, AND METHOD FOR TRANSFERRING GRAPHENE FILM TO SUBSTRATE |
| US2012040523 A1 20120216 | JP20060325297;US20 070949349;US201113 278347; | FUJITSU LTD; | H01L21/283; | BUNDLE OF LONG THIN CARBON STRUCTURES, MANUFACTURING METHOD THEREFOR, AND ELECTRONIC DEVICE |
| JP2012060034 A 20120322 | JP20100203637; | FUJITSU LTD; | H01L21/60; H01G4/30; H01G4/12; H05K3/46; | CAPACITOR, MANUFACTURING METHOD THEREFOR, CIRCUIT BOARD AND SEMICONDUCTOR DEVICE |
| US2012139038 A1 20120607 | JP20100270768; | FUJITSU LTD; | H01L29/205; H01L29/78; H01L21/336; | COMPOUND SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF |
| US2012042922 A1 20120223 | WO2009JP60934; | FUJITSU LTD; | H01L35/28; H01L35/22; C01B31/00; H01L35/34; | GRAPHITE STRUCTURE, ELECTRONIC COMPONENT AND METHOD OF MANUFACTURING ELECTRONIC COMPONENT |
| JP2012004235 A 20120105 | JP20100136386; | FUJITSU LTD; | B05D1/40; H01L21/027; B05D3/12; G03F7/11; | METHOD FOR FORMING RESIN FILM AND METHOD FOR FORMING PATTERN |

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|--------------------------------|-----------------------------------|---|--|--|
| US2012074521 A1 20120329 | JP20100203637; | FUJITSU LTD; | H01G4/12; B32B38/10; H05K7/00; H01L29/92; B32B37/02; B32B37/14; | METHOD OF MANUFACTURING CAPACITOR, AND CAPACITOR, CIRCUIT SUBSTRATE AND SEMICONDUCTOR APPARATUS |
| JP2012022338 A 20120202 | JP20000089790; JP20 110221175; | FUJITSU LTD; | G03F7/075; G03F7/09; G03F7/038; G03F7/38; | NEGATIVE TYPE RESIST COMPOSITION, RESIST PATTERN FORMATION METHOD AND METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE |
| WO2012059967 A1 20120510 | WO2010JP69425; | FUJITSU LTD; Iwai TAISUKE; YAGISHITA YOHEI; | H01L21/768; C23C16/01; C23C16/26; C01B31/02; H01L21/3205; H01L23/52; | SHEET-LIKE STRUCTURE AND PROCESS FOR PRODUCTION THEREOF |
| CN102470441 A 20120523 | JP20090178398; WO2 010JP62200; | FUKUDA METAL FOIL POWDER; UNIV KYOTO; | C09D11/00; H01B1/22; H01B13/00; B22F9/30; B22F1/00; B22F9/00; B22F9/20; | Metal nanoparticles, dispersion containing same, and process for production of same |
| US2012121982 A1 20120517 | JP20090180186; WO2 010JP63237; | FUKUI HIROSHI; HARIMOTO YUKINARI; HINO TAKAKAZU; | H01M4/60; H01M4/134; H01B1/04; H01G9/22; | Electrode Active Material, Electrode, And Electricity Storage Device |
| DE112010000825T T5 20120621 | JP20090002085; WO2 010JP00056; | FUKUOKA PREFECTURE; NIPPON TUNGSTEN; | C01B31/34; | METALLCARBIDFEINTEILCHEN UND VERFAHREN ZU DEREN HERSTELLUNG |
| WO2012070631 A1 20120531 | JP20100263910; | FUKUSHIMA HIROYUKI; FU RUKAWA ELECTRIC CO LTD; HAYASE YUKO; KOJIMA EIJI; OKUNO YOSHIKAZU; | H01B13/00; H01F6/06; C01G3/00; H01B12/06; C01G1/00; | SUPERCONDUCTING WIRE MATERIAL AND METHOD FOR MANUFACTURING SUPERCONDUCTING WIRE MATERIAL |
| WO2012054286 A2 20120426 | WO2010US53533; | FULLER ANTHONY M; HEWLETT PACKARD DEVELOPMENT CO; MARDILOVICH PETER; WEI QINGQIAO; | B82B1/00; B82Y40/00; B82B3/00; | NANO-SCALE STRUCTURES |

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| WO2012054045 A1 20120426 | WO2010US53588; | FULLER ANTHONY M; HEWLETT PACKARD DEVELOPMENT CO; MARDILOVICH PETER; WEIQINGQIAO; | B82B3/00; C23F1/02; C25D11/04; C25D11/34; | METHOD OF FORMING A NANO-STRUCTURE |
| TW201220576 A 20120516 | JP20100250223; | FURUKAWA BATTERY CO LTD; FURUKAWA ELECTRIC CO LTD; | H01M10/0525; H01M4/1391; H01M4/131; | Non-aqueous electrolyte secondary battery |
| JP2012104292 A 20120531 | JP20100250223; | FURUKAWA BATTERY CO LTD; FURUKAWA ELECTRIC CO LTD; | H01M4/38; H01M4/46; H01M4/42; H01M4/1395; H01M4/36; H01M10/0567; H01M10/052; | NONAQUEOUS ELECTROLYTE SECONDARY BATTERY |
| US2012061882 A1 20120315 | JP20100204608; | FURUTONO YOHKO; HATANO MASAYUKI; MIKAMI SHINJI; NAKASUGI TETSURO; | B29C35/08; | IMPRINT APPARATUS AND METHOD |
| US2012015018 A1 20120119 | JP20100121301; WO2010JP70027; | FUSHIMI TAKASHI; KOBAYASHI YOSHINAO; NIIGAWA SATOSHI; NISHIYAMA NORIYUKI; | A01N59/16; A01N25/08; A01N25/14; A01P1/00; | Mixed antibacterial glass |
| CN102491408 A 20120613 | CN20111404198; | FUSTER NEW MATERIAL TECHNOLOGY CO LTD; | C01G19/02; B82Y40/00; B82Y30/00; | Preparation method of antimony-doped tin dioxide nano-slurry |
| WO2012018117 A1 20120209 | JP20100175976; | FUTABA DON N; HATA KENJI; NAT INST OF ADVANCED IND SCIEN; XU MING; | C01B31/02; | CNT MASS AND ASSEMBLY, AND LAYERED PRODUCT |

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| CN102348343 A 20120208 | CN20101241999; | FUTAIHUA IND SHENZHEN CO LTD;HON HAI PREC IND CO LTD; | H05K5/00; | Shell and manufacturing method thereof |
| EP2406430 A2 20120118 | DE200910012349;WO 2010EP52897; | FUTURECARBON GMBH; | D21H15/00; D04H1/00; H01M4/00; D21H13/50; D01F9/12; | NETWORKS OF CARBON NANOMATERIALS AND METHOD FOR PRODUCING THE SAME |
| RU2010144729 A 20120510 | RU20100144729; | G OBRAZOVATEL NOE UCHREZH DENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA ALTAJSKIJ GU; | B82Y40/00; C01B31/06; B82B3/00; | METHOD FOR SELECTIVE PURIFICATION OF DETONATION NANODIAMONDS |
| RU2010150053 A 20120620 | RU20100150053; | G OBRAZOVATEL NOE UCHREZH DENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA TOM GU TGU; | C01B31/02; B82B3/00; B82Y40/00; | APPARATUS FOR SYNTHESIS OF CARBON NANOTUBES FROM HYDROCARBON GAS |
| RU2445552 C1 20120320 | RU20100135123; | G OBRAZOVATEL NOE UCHREZH DENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJANATSION AL NYJ I SKIJ TOM PU; | B82Y30/00; F24H3/00; | MOBILE AIR HEATING DEVICE |

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| US2012052222 A1 20120301 | US20070964280P;US 20080672932;WO200 8US72810; | GAGNE ROBERT R; | C08K3/38; F41H7/02; F41H5/24; B29C43/00; B29C47/00; B32B18/00; C08L81/06; C08K13/02; B63G9/00; B32B27/18; B29C51/00; F41H1/02; B29C69/02; B29C53/00; C08K3/34; B29C45/00; F41H1/04; F41H5/00; C08K3/22; B64D7/00; F41H5/08; C08L65/02; B29C59/02; | LIGHTWEIGHT BALLISTIC PROTECTION MATERIALS, |
| WO2012028936 A1 20120308 | GB20100014977;US2 0100378067P; | GAIDUK ALEXANDER;ORRIT MICHEL;UNIV LEIDEN; | B82Y30/00; | ENHANCED FLUORESCENCE OF GOLD NANOPARTICLES |
| US2012116012 A1 20120510 | WO2009US52257; | GANAPATHIAPPAN SIVAPACKIA;MITTELSTAD T LAURIES;TOM HOWARD S; | C08L33/14; C08L33/10; B01J13/02; C08L33/26; C09D11/10; | ENCAPSULATED PIGMENTS CONTAINING CROSS-LINKING AGENT |
| US2012092427 A1 20120419 | WO2009US49305; | GANAPATHIAPPAN SIVAPACKIA;NG HOU T;TOM HOWARD S; | C09D7/14; B41J2/01; C09D125/14; C09D11/02; | INK-JET OVERCOATS INCLUDING LATEX POLYMERS AND INORGANIC NANO PARTICLES |

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| WO2012069560 A2 20120531 | EP20100192396; | GANEY TIMOTHY;MEISEL JOERG;SPINPLANT GMBH; | D06M11/00; D06M11/71; A61L17/08; D01D5/00; A61L27/24; D01F1/10; B82Y30/00; | PRODUCT CONTAINING NANOCRYSTALS AND METHOD FOR PRODUCING THE SAME |
| US2012052286 A1 20120301 | US20090216197P;US 201013320020;WO20 10US35002; | GANGOPADHYAY PALASH;LOPEZ- SANTIAGO ALEJANDRA;NORWOOD ROBERT A;THOMAS JAYAN; | H01F1/00; B32B5/16; | MAGNETIC-NANOPARTICLE-POLYMER COMPOSITES WITH ENHANCED MAGNETO- OPTICALPROPERTIES |
| WO2012007534 A2 20120119 | EP20100169370;IE20 100000427; | GANNON PAUL;O' KEEFFE CORMAC;THETA CHEMICALS LTD; | B01J27/12; B01J35/02; B01J27/20; C09D5/00; B01J27/02; B01J35/00; B01J37/02; B01D53/00; B01J21/06; | A DOPED MATERIAL COMPRISING TiO2 AND AT LEAST A DOPANT |
| US2012041221 A1 20120216 | US20050748474P;US 20060481270;US2011 13278525; | GAO LICHAO;MCCARTHY THOMAS J; | C07F7/08; C07F7/10; C07F7/12; | FIBRILLAR, NANOTEXTURED COATING AND METHOD FOR ITS MANUFACTURE |
| WO2012055238 A1 20120503 | CN20101523969; | GAO XIANG;LUO YINGWU;SUN ZHIJUAN;UNIV ZHEJIANG; | G02B1/11; | METHOD FOR PREPARING POROUS ANTI- REFLECTIVE THIN FILM COMPOSED OFHOLLOW POLYMER NANO-PARTICLES |
| WO2012024632 A2 20120223 | US20100375543P;US 20100375586P;US201 00375635P; | GAO YUN;ILYINSKII PETR;LIPFORD GRAYSON B;SELECTA BIOSCIENCES INC; | A61K38/16; A61K39/145; | SYNTHETIC NANOCARRIER VACCINES COMPRISING PEPTIDES OBTAINED OR DERIVED FROM HUMAN INFLUENZA A VIRUS M2E |

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| WO2012010501 A1 20120126 | NL20102005112; | GARCIA-ARAEZ NURIA;KOPER MARCUS;RODRIGUEZ PARAMACONI;STICHTING FUND OND MATERIAL;UNIV LEIDEN;YANSON ALEXEI; | B82Y30/00; B23K35/24; C25C5/00; C25C5/02; B01J35/00; | PROCESS TO PREPARE METAL NANOPARTICLES OR METAL OXIDE NANOPARTICLES |
| US2012015305 A1 20120119 | US19980087948P;US 19990326526;US2001 0776202;US20010998 341;US20070704536; US20100870187;US20 1113246950; | GARNER HAROLD R; | B01J19/00; G02B26/08; G03F7/207; H01L21/77; G03F7/20; B01J19/12; | DIGITAL OPTICAL CHEMISTRY MICROMIRROR IMAGER |
| WO2012084940 A1 20120628 | EP20100196867; | GAUTHY FERNAND;MILTNER HANS EDOUARD;SOLVAY; | C09C3/08; C08K9/04; | USE OF OLIGOMERS AS COMPATIBILIZERS FOR INORGANIC PARTICLES ANDCOMPOSITIONS CONTAINING COMPATIBILIZER, INORGANIC PARTICLES AND POLYMER |
| WO2012015634 A2 20120202 | US20100847964; | GAUZNER GENNADY;HWU JUSTIN;KUO DAVID;LEE KIM YANG;SEAGATE TECHNOLOGY LLC;WELLER DIETER; | B29C33/38; B29C59/02; | METHOD AND SYSTEM FOR THERMAL IMPRINT LITHOGRAPHY |

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| TW201207350 A 20120216 | US20100320431P;US 20100979529; | GE LIGHTING SOLUTIONS LLC; | F21V29/00; F28F13/18; | Lightweight heat sinks and LED lamps employing same |
| US2012067614 A1 20120322 | US20100384978P;US 201113227125; | GEN CABLE TECHNOLOGIES CORP; | H01B9/02; H01R43/00; H01B11/02; | CABLE WITH A SPLIT TUBE AND METHOD FOR MAKING THE SAME |
| TWI361016B B 20120321 | US20020065018; | GEN ELECTRIC; | H05B33/02; C23C16/30; B32B5/14; H01L51/50; H05B33/04; H01L51/52; H05B33/24; H05B33/12; | Diffusion barrier coatings having graded compositi |
| CA2761374 A1 20120615 | US20100968437; | GEN ELECTRIC; | H01B3/30; H01B13/16; H01B1/02; B82Y30/00; | HIGH TEMPERATURE HIGH FREQUENCY MAGNET WIRE AND METHOD OF MAKING |
| US2012080970 A1 20120405 | US20100709560;US20 100968437;US201113 323259; | GEN ELECTRIC; | H02K3/30; H02K5/132; H01B7/29; | HIGH VOLTAGE AND HIGH TEMPERATURE WINDING INSULATION FOR ESP MOTOR |
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| US2012080380 A1 20120405 | US20100895353; | GEN ELECTRIC; | B01D71/00; C02F1/44; B05D7/24; B05D5/00; | THIN FILM COMPOSITE MEMBRANES INCORPORATING CARBON NANOTUBES |

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| HK1079960 A1 20120405 | US20020414065P;US 20020414102P;US200 20414258P;WO2003U S30965; | GEN HOSPITAL CORP; | B01L3/00; G01N33/543; G01N33/569; B01L11/00; C12N5/06; C12N5/02; C12N5/00; | MICROFLUIDIC DEVICE FOR CELL SEPARATION AND USES THEREOF |
| US2012066801 A1 20120315 | US20010274501P;US 20010287677P;US200 20093842;US2007072 8744;US20111307973 2; | GEN NANOTECHNOLOGY LLC; | G01Q70/08; | NANOMACHINING METHOD AND APPARATUS |
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| US2012026473 A1 20120202 | US20100368854P;US 201113162900; | GENIER MICHAEL LUCIEN; | G03B27/00; B05D5/06; B32B7/02; B05D3/06; B32B17/06; | HIGHLY REFLECTIVE, HARDENED SILICA TITANIA ARTICLE AND METHOD OF MAKING |
| US2012138862 A1 20120607 | US20070885206P;US 20070970885P;US200 80971057; | GENVAULT CORP; | C07H21/00; C07K2/00; C09K3/00; | NANOPARTICLES USEFUL FOR BIOMOLECULE STORAGE |
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| US2012137783 A1 20120607 | US20100419074P;US 201113310126; | GEORGIA TECH RES INST; | H01L41/22; G01L9/08; H02N2/18; | Hybrid Nanogenerator for Harvesting Chemical and Mechanical Energy |
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| KR20120026571 A 20120319 | US20090182190P; | GEORGIA TECH RES INST; | G03F7/00; G03C5/00; | THERMOCHEMICAL NANOLITHOGRAPHY COMPONENTS, SYSTEMS, AND METHODS |
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| US2012153234 A1 20120621 | US20090383215;US20 1213405429; | GILJE S SCOTT; | H01B1/24; C09C1/44; | REDUCTION OF GRAPHENE OXIDE TO GRAPHENE IN HIGH BOILING POINT SOLVENTS |
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| US2012040512 A1 20120216 | US20100854192; | GLOBAL FOUNDRIES;IBM; | H01L21/20; H01L21/36; | METHOD TO FORM NANOPORE ARRAY |
| AT541328T T 20120115 | US20070746820;WO2 008US02232; | GLOBAL OLED TECHNOLOGY LLC; | H01L51/52; | ELEKTROLUMINESZENTE ANORDNUNG MIT VERBESSERTER LICHTAUSGABE |
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| US2012161203 A1 20120628 | DE201010064290; | GLOBALFOUNDRIES INC; | H01L29/78; H01L21/225; H01L21/336; | Strain Enhancement in Transistors Comprising an Embedded Strain-Inducing Semiconductor Material by Alloy Species Condensation |

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| CN102408127 A 20120411 | US20100858690; | GM GLOBAL TECH OPERATIONS INC; | C01G23/047; B82Y40/00; | Sonochemical synthesis of titanium-containing oxides |
| US8101152 B1 20120124 | US20100858690; | GM GLOBAL TECH OPERATIONS INC; | C01G23/047; | Sonochemical synthesis of titanium-containing oxides |
| DE102011109806 A1 20120329 | US20100858690; | GM GLOBAL TECH OPERATIONS INC; | B01J19/10; C01G23/053; | Sonochemische Synthese von Titan enthaltenden Oxiden |
| US2012003563 A1 20120105 | US20100704786;US20 1113232016; | GM GLOBAL TECH OPERATIONS INC;UNIV WESTERN ONTARIO; | H01M8/10; B01J23/42; | POROUS DENDRITIC PLATINUM TUBES AS FUEL CELL ELECTROCATALYSTS |
| WO2012074753 A1 20120607 | US20100419548P;US 20100973057; | GODETLUDOVIC;MARTIN PATRICK M;VARIAN SEMICONDUCTOR EQUIPMENT; | G03F7/00; | HYDROPHOBIC PROPERTY ALTERATION USING ION IMPLANTATION |
| WO2012056406 A1 20120503 | FR20100058846; | GODFROY JEROME;LEBBOU KHEIRREDDINE;NEHARI ABDELDJELIL;SAPHIR PRODUCT S A; | C30B35/00; C01F7/02; | PLANT FOR THE CONTINUOUS PRODUCTION OF MILLIMETRE-SIZED BALLS OF MIXEDOXIDES FOR THE PRODUCTION OF SYNTHETIC CRYSTALS |
| DE102010035528 A1 20120301 | DE201010035528; | GOERLACH BERND;HILLEBRAND RUDOLF GMBH; | C08J5/16; | Reib- oder Gleitschicht und Verfahren zu deren Herstellung |
| WO2012016118 A1 20120202 | US20100369418P;US 201113051051; | GOGOTSI YURY;KARWACKI CHRISTOPHER J;PETERSON GREGORY W; | B01J23/00; | OXIDATION CATALYSTS USEFUL FOR AMBIENT TEMPERATURE OPERATION |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| US2012027658 A1 20120202 | US20100369418P;US 201113051051; | GOGOTSI YURY;KARWACKI CHRISTOPHER J;PETERSON GREGORY W; | B01J35/10; B01J23/06; B01D53/62; B01J23/46; B01J23/72; B01J21/06; B01J23/52; B01J23/42; B01J23/10; | Oxidation Catalysts Useful for Ambient Temperature Operation |
| CN102420327 A 20120418 | CN20111395186; | GOLDEN CROWN NEW ENERGYHONGKONG CO LTD;SUZHOU GOLDEN CROWN NEW ENERGY CO LTD; | B82Y40/00; B82Y30/00; H01M4/58; | Cathode material for carbon treatment and preparation method for cathode material |
| CN102522522 A 20120627 | CN20111395158; | GOLDEN CROWN NEW ENERGYHONGKONG CO LTD;SUZHOU GOLDEN CROWN NEW ENERGY CO LTD; | B82Y30/00; H01M4/58; H01M4/02; H01M4/04; | Nanometer anode material and preparation method |
| WO2012087092 A1 20120628 | WO2010MX00162; | GOMEZ CORDON JULIO;GUTIERREZ ANTONIO JOEL;PAMANESBRINGAS RODRIGO;SEVERIANO PEREZ ORLANDO;SIGMA ALIMENTOS S A DE C V; | C08K3/26; B82Y30/00; C08K3/36; B65D65/38; C08L23/06; | POLYMERIC COMPOSITION INCORPORATING HOLLOW NANOPARTICLES, METHOD FOR PRODUCTION THEREOF AND A CONTAINER PRODUCED WITH THE COMPOSITION |
| WO2012026150 A1 20120301 | JP20100190354; | GONDA KOHISUKE;HOSHINO HIDEKI;KONICA MINOLTA MED & GRAPHIC;OHUCHI NORIAKI;TAKAHASHI MASARU;TAKEDA MOTOHIRO;UNIV TOHOKU; | B82B3/00; C09K11/56; C09K11/08; C09K11/88; B82B1/00; C09K11/54; | SEMICONDUCTOR NANOPARTICLE AGGREGATE AND PRODUCTION METHOD FOR SEMICONDUCTOR NANOPARTICLE AGGREGATE |

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| WO2012005173 A1 20120112 | JP20100152778; | GOTO NAOYUKI;SHIMANO SATOSHI;SUMITOMO CHEMICAL CO; | C01G53/00; H01M4/505; H01M4/525; | RAW-MATERIAL MIXTURE AND ALKALI-METAL/TRANSITION-METAL COMPLEX OXIDE |
| WO2012066444 A1 20120524 | EP20100191466; | GOTSMANN BERND W;IBM;KARG SIEGFRIED FRIEDRICH;RIELHEIKE E; | B82Y10/00; B82Y40/00; H01L29/775; H01L29/06; H01L29/10; H01L29/66; | STRAINED NANOWIRE DEVICES |
| US2012034646 A1 20120209 | US20070973066P;US 20080678654;WO2008US76631; | GOUMA PELAGIA-IRENE;KALYANASUNDARAM KRITHIKA;RIGAS ANASTASIA;RIGAS BASIL; | C12Q1/04; C01G41/02; | DETECTION OF H. PYLORI UTILIZING UNLABELED UREA |
| US2012094365 A1 20120419 | US19990146975P;US 20020061377;US20080011239;US201113306774;WO2000US20925; | GOVERNMENT OF THE U S A AS REPRESENTED BY THE SECRETARY OF THE DEPT OF HEALTH AND HUMAN SERVICES; | C07K14/47; C12M1/00; B82B3/00; F03G7/00; B82B1/00; H02N11/00; | MOLECULAR MOTOR |
| US2012090743 A1 20120419 | US20070990004P;US 20080323617; | GOVERNMENT OF THE US SECRETARY OF THE NAVY; | C06B27/00; C06B45/32; | METAL HYDRIDE NANOPARTICLES |
| WO2012054007 A2 20120426 | UA20100012355; | GOZHENKO OLEG VITAL JEVICH;MALETIN ANDRIY YURIJEVICH;MALETIN YURIY ANDREJEVICH;STRYZHAKOVA NATALIA GRIGORJEVNA;TYCHYNA SERGII ALEKSANDROVICH;YUNASKO LTD; | B82B3/00; C01B31/02; B82Y40/00; | METHOD FOR MODIFYING THE POROUS STRUCTURE OF A NANOPOROUS CARBON MATERIAL |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| AU2010271298 A1 20120301 | US20090223944P;US 20090226153P;US200 90228250P;US200902 35574P;US200902498 04P;US20090263648P ;US20100294690P;W O2010US41427; | GR INTELLECTUAL RESERVE LLC; | A61K31/28; C30B1/00; A01N55/02; | Novel gold-based nanocrystals for medical treatments and electrochemical manufacturing processes therefor |
| KR20120052967 A 20120524 | US20090223944P;US 20090226153P;US200 90228250P;US200902 35574P;US200902498 04P;US20090263648P ;US20100294690P; | GR INTELLECTUAL RESERVE LLC; | C30B1/00; A61K31/28; A01N55/02; B82B3/00; | NOVEL GOLD-BASED NANOCRYSTALS FOR MEDICAL TREATMENTS ANDELECTROCHEMICAL MANUFACTURING PROCESSES THEREFOR |
| EP2451284 A1 20120516 | US20090223944P;US 20090226153P;US200 90228250P;US200902 35574P;US200902498 04P;US20090263648P ;US20100294690P;W O2010US41427; | GR INTELLECTUAL RESERVE LLC; | A01N55/02; A61K31/28; C30B1/00; | NOVEL GOLD-BASED NANOCRYSTALS FOR MEDICAL TREATMENTS ANDELECTROCHEMICAL MANUFACTURING PROCESSES THEREFOR |
| US2012155156 A1 20120621 | US20090538489;US20 1113035726; | GRANDIS INC; | G11C11/02; G11B5/64; G11B5/84; | METHOD AND SYSTEM FOR PROVIDING MAGNETIC TUNNELING JUNCTION ELEMENTSHAVING IMPROVED PERFORMANCE THROUGH CAPPING LAYER INDUCED PERPENDICULAR ANISOTROPY AND MEMORIES USING SUCH MAGNETIC ELEMENTS |
| JP2012119715 A 20120621 | US20040789334; | GRANDIS INC; | H01F41/30; H01L29/82; G11C11/16; G11C17/02; H01L21/8246; H01L31/119; H01L43/00; H01L27/105; H01L43/12; H01F10/32; H01L43/08; | SPIN TRANSFER MAGNETIC ELEMENT WITH FREE LAYERS HAVING HIGHPERPENDICULAR ANISOTROPY AND IN-PLANE EQUILIBRIUM MAGNETIZATION |

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| JP2012104848 A 20120531 | US20040783416; | GRANDIS INC; | G11C11/16; H01L27/105; H01L29/82; H01F10/32; H01F41/30; G11C11/15; H01F10/16; H01L43/10; H01L21/8246; H01H9/00; H01L43/08; | SPIN TRANSITION MAGNETIC ELEMENT HAVING LOW SATURATION MAGNETIZATIONFREE LAYER |
| US2012148789 A1 20120614 | WO2009SE50718; | GRANKAELL TOMMY;HALLANDER PER;NORDIN PONTUS;PETERSSON MIKAEL;WEIDMANN BJOERN; | B32B27/20; B29C65/42; B32B27/38; B32B7/12; | AIRCRAFT STRUCTURE WITH STRUCTURAL PARTS CONNECTED BY NANOSTRUCTUREAND A METHOD FOR MAKING SAID AIRCRAFT STRUCTURE |
| US2012156494 A1 20120621 | DE200910037992;WO 2010EP04874; | GREB MARCO;GRUENERMICHA EL;PROELSS DIETER;TRUMMER STEFAN;WOLFRUM CHRISTIAN; | B02C23/00; B32B5/16; | METHOD FOR PRODUCING DISPERSIONS HAVING METAL OXIDE NANOPARTICLES ANDDISPERSIONS PRODUCED THEREBY |
| WO2012009552 A1 20120119 | US20100364306P; | GREEN BUBBLE TECHNOLOGIES LLC;RIEBEL MICHAEL J; | C03C17/25; B01J35/00; C08G63/91; B82Y30/00; C08G63/06; C08L67/04; B01J31/06; B01J21/06; | PHOTOCATALYTIC PROPERTIES AND APPLICATIONS OF POLYLACTIC ACID FILMS |
| WO2012012765 A2 20120126 | US20100366617P;US 20100366620P;US201 00366624P; | GREEN BUBBLE TECHNOLOGIES LLC;RIEBEL MICHAEL J;RIEBEL MILTON;RIEBEL RYAN; | B01J35/00; C08G63/06; B01J21/06; B01D53/88; B01J31/06; C03C17/25; B82Y30/00; C08G63/91; C08L67/04; | PHOTOCATALYTIC AND OTHER PROPERTIES AND APPLICATIONS OF POLYLACTIC ACID FILMS |
| US2012156497 A1 20120621 | IL20090200860;WO20 10IL00737; | GREEN FUTURE LTD; | C07F15/02; B32B5/16; | GALVANIC WASTE SLUDGE TREATMENT AND MANUFACTURING OF NANO-SIZED IRONOXIDES |

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| WO2012028858 A1 20120308 | GB20100014707; | GREEN MINO;NEXEON LTD; | C30B29/60; H01M4/02; H01M4/1395; H01M4/04; C01B33/02; C30B29/06; H01M4/134; H01M4/38; | ELECTROACTIVE MATERIAL |
| US2012045533 A1 20120223 | US20100333241P;US 201113104945; | GREGORATTO IVANO;SCHOLZ JEREMY H;UTTHACHOO PIYAPHANT; | B29C51/18; | THIN FILM BUFFER LAYER SOLUTION DEPOSITION ASSEMBLY |
| ES2377564T T3 20120328 | DE20031002341;DE20 031021042;WO2004E P00311; | GREINER BIO ONE GMBH; | B01L3/00; B01J19/00; | Recipiente de muestras para análisis |
| WO2012013543 A2 20120202 | DE201010032949; | GROEPPPEL PETER;GRUEBEL ANDRE;GRUEBEL VICKY;RITBERG IGOR;SIEMENS AG; | H02K3/40; B82Y30/00; H01B3/08; C09J163/00; H01B3/04; H01K3/30; H01B3/40; C09J11/04; | INSULATION SYSTEM HAVING IMPROVED PARTIAL DISCHARGE STRENGTH |
| WO2012072658 A2 20120607 | DE201010062184; | GROTTE JULIA;KASKEL STEFAN;LOHE MARTIN R;NICKEL WINFRIED;UNIV DRESDEN TECH; | C23C18/16; | PROCESS FOR COATING NANOPARTICLES WITH METAL BY MEANS OF ELECTROLESSDEPOSITION TECHNIQUES |
| US2012085692 A1 20120412 | US20010262530P;US 20010262852P;US200 20053098;US2004071 0994;US20060462933; US20070843826;US20 090643798;US201113 035942;US201113315 163; | GRUBER KARL F;NELSON RANDALL W;TUBBS KEMMONS A; | B01D15/08; B01J20/281; G01N33/68; C12M1/34; C12Q1/68; | INTEGRATED HIGH THROUGHPUT SYSTEM FOR THE ANALYSIS OF BIOMOLECULES |

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| US2012114947 A1 20120510 | EP20090005138;WO2 010EP01922; | GRUENLER BERND;HEFT ANDREAS;JENNINGER WERNER;MEYER HELMUT;PIASTA DOREEN;SIMON FRANK;SPANGE STEFAN;VOGELSTEPHAN IE;WAGNER JOACHIM; | C08L39/02; H01B1/24; B32B9/04; C08F12/28; | POLYMER-FUNCTIONALIZED CARBON NANOTUBE, PROCESS FOR ITS PRODUCTION AND USE |
| US2012058375 A1 20120308 | JP20100198370;JP20 110160801; | GS YUASA INT LTD; | H01M2/16; H01M4/66; H01M4/64; H01M10/05; | BATTERY |
| DE102010053782 A1 20120614 | DE201010053782; | GSI HELMHOLTZZENTR SCHWERIONEN; | B82B1/00; B82B3/00; | Method for manufacturing segmented nanowires for nanowire structure element, involves forming nanowires in nanopores of template by electrochemical deposition, and disintegrating and removing template to expose nanowires |
| WO2012040202 A1 20120329 | US20100384610P; | GU FENG;KOCAB THOMAS J;NANTERO INC;ROBERTS DAVID A;SEN RAHUL;SMITH BILLY; | B01D21/01; C02F1/52; | METHODS FOR PURIFYING NANOTUBE SOLUTIONS |
| US2012027513 A1 20120202 | CN20091116510;CN2 0091185168;WO2010 CN00472; | GUAN WANZHONG;WANG HOULIANG;YUAN BIN; | C04B24/36; B32B1/00; C01G49/02; E01C7/06; C04B22/00; | Asphalt Concrete Pavement Containing Wave Absorbing Material and Maintenance Process Thereof |
| CN102491397 A 20120613 | CN20111408668; | GUANGDONG JIAWEI CHEMICAL IND CO LTD; | C01F11/18; B82Y40/00; | Preparation method of nano-calcium carbonate SCC-2 special for silicone sealant |
| CN102491399 A 20120613 | CN20111427802; | GUANGXI HUANA NEW MATERIAL TECHNOLOGY CO LTD; | B82Y40/00; C01F11/18; | Nano calcium carbonate carbonation reaction stirrer |
| CN102432003 A 20120502 | CN20111253286; | GUANGZHOU DEPOSON ELECTRIC TECHNOLOGY CO LTD; | B82Y40/00; C01B31/06; G01N27/00; C12Q1/68; | Surface modified nanometer diamond particle as well as preparation method and application thereof |

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| US2012164420 A1 20120628 | US20100659196;US20100662894;US20100923082;US20100926714;US201113333183; | GUARDIAN IND CORP CRVC; | B32B7/02; B32B38/00; B32B17/00; | ARTICLES INCLUDING ANTICONDENSATION AND/OR LOW-E COATINGS AND/OR METHODS OF MAKING THE SAME |
| EP2462263 A2 20120613 | US20090461347;WO2010US02056; | GUARDIAN INDUSTRIES; | C30B29/02; C30B33/00; | DEBONDING AND TRANSFER TECHNIQUES FOR HETERO-EPITAXIALLY GROWN GRAPHENE, AND PRODUCTS INCLUDING THE SAME |
| MX2012001604 A 20120411 | US20090461347;WO2010US02056; | GUARDIAN INDUSTRIES; | C30B33/00; C30B29/02; | DEBONDING AND TRANSFER TECHNIQUES FOR HETERO-EPITAXIALLY GROWN GRAPHENE, AND PRODUCTS INCLUDING THE SAME. |
| EP2462624 A2 20120613 | US20090461349;WO2010US02016; | GUARDIAN INDUSTRIES; | H01L31/0224; H01L31/075; H01L21/768; H01L51/44; | ELECTRONIC DEVICE INCLUDING GRAPHENE-BASED LAYER(S), AND/OR METHOD OF MAKING THE SAME |
| MX2012001602 A 20120411 | US20090461349;WO2010US02016; | GUARDIAN INDUSTRIES; | H01L31/0224; H01L51/44; H01L31/075; H01L21/768; | ELECTRONIC DEVICE INCLUDING GRAPHENE-BASED LAYER(S), AND/OR METHOD OF MAKING THE SAME. |
| WO2012032518 A2 20120315 | US20100380597P; | GUN GENIA;LEV OVADIA;PRIKHODCHENKO PETR;SLADKEVICH SERGEY;YISSUM RES DEV CO; | C23C18/00; C01B31/00; C04B41/00; B01J21/18; B01J37/08; B01J37/02; C01B15/04; B05D1/00; B01J35/00; B82Y30/00; B01J21/16; B01J21/08; | A PROCESS FOR THE FORMATION OF METAL OXIDE NANOPARTICLES COATING OF A SOLID SUBSTRATE |
| US2012104362 A1 20120503 | US20040577766P;US20050148859;US20110986994; | GUO JING;HANSON ERIC;HILL IAN GREGORY;KOCH NORBERT;MCDERMOTT JOE;SCHWARTZ JEFFREY; | H01L51/50; H01L51/40; H01L29/08; H01L51/30; | Formation of ordered thin films of organics on metal oxide surfaces |
| CN102424375 A 20120425 | CN20111263453; | GUOFANG ZHONG; | B82Y40/00; C01B31/02; | Preparation method for vertical carbon nanotube array |

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| WO2012032514 A1 20120315 | US20100380538P; | GUSTAFSSON TORD;HEYMAN ARNON;LAPIDOTSHAUL;N EVO YUVAL;SHOSEYOV ODED;YISSUM RES DEV CO; | C08J9/35; C08J9/40; B32B5/18; C08J9/00; C08J9/28; C08J5/00; B82Y30/00; | CELLULOSE-BASED COMPOSITE MATERIALS |
| SG177396 A1 20120228 | US20090222940P;WO 2010SG00250; | GUZMAN NORBERTO A; | B01J29/0333; C01B31/0233; B82Y30/00; B82Y40/00; C01B2202/02 | METHOD OF FORMING SINGLE-WALLED CARBON NANOTUBES |
| US2012103816 A1 20120503 | US20100408689P;US 201113284087; | GUZMAN NORBERTO A; | G01N27/447; | MULTI-TASK IMMUNOAFFINITY DEVICE SECURED TO A PERIPHERAL BOX ANDINTEGRATED TO A CAPILLARY ELECTROPHORESIS APPARATUS |
| US2012097920 A1 20120426 | US20100846443;US20 1113335199; | GWO SHANG-JR;LIN HON-WAY;LU YU-JUNG; | H01L33/06; H01L33/32; | III-NITRIDE LIGHT-EMITTING DIODE AND METHOD OF PRODUCING THE SAME |
| EP2427520 A2 20120314 | DE200910019846;WO 2010EP02781; | H C CARBON GMBH; | C01B31/04; C09C1/46; C09C1/58; C09C1/48; C09C3/04; C09C1/44; C01B31/02; | GRANULATE COMPOSITION AND METHOD FOR PRODUCING THE SAME |
| WO2012062727 A1 20120518 | US20100413396P;US 20100414775P;US201 161552479P; | HABEKOTTE ERNST;MAPPER LITHOGRAPHY IP BV;VAN DEPEUT TEUNIS;VAN DER WILT FLORIS PEPIJN;WIELAND MARCO JAN-JACO; | B82Y10/00; H01J37/22; H01J37/04; H01J37/317; H01J37/244; H01J37/304; | DATA PATH FOR LITHOGRAPHY APPARATUS |
| CN102361074 A 20120222 | CN20111327435; | HAIYAN WANG; | H01M4/58; B82Y30/00; B82Y40/00; | Lithium ion battery anode nano material with ultrahigh rate andpreparation method for same |
| US2012060649 A1 20120315 | US20100882235; | HALALI MOHAMMAD;MALEKZADE H MAHDIEH; | B22F9/04; | METHOD OF PRODUCING HIGH PURITY SILVER NANOPARTICLES |
| US2012104483 A1 20120503 | US20100915726; | HALL MARK D;SHROFF MEHUL D; | H01L29/792; H01L21/336; | NON-VOLATILE MEMORY AND LOGIC CIRCUIT PROCESS INTEGRATION |

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| AU2010252793 A1 20120112 | US20090472561;WO2 010GB01045; | HALLIBURTON ENERGY SERV INC; | C04B28/04; C04B14/06; C04B28/24; C09K8/467; | Cement compositions comprising latex and a nano-particle and associated methods |
| EP2435528 A1 20120404 | US20090472561;WO2 010GB01045; | HALLIBURTON ENERGY SERV INC; | C04B28/04; C04B14/06; C04B28/24; C09K8/467; | CEMENT COMPOSITIONS COMPRISING LATEX AND A NANO-PARTICLE AND ASSOCIATED METHODS |
| US2012165231 A1 20120628 | US20100977425; | HALLIBURTON ENERGY SERV INC; | C09K8/06; C09K8/14; C09K8/04; | Drilling Fluids Having Reduced Sag Potential and Related Methods |
| US2012107582 A1 20120503 | US20060521570; | HAMERS ROBERT J;METZ KEVIN MICHAEL; | B32B3/00; B05D5/12; B32B9/00; | Metal-coated vertically aligned carbon nanofibers |
| WO2012015262 A2 20120202 | KR20100074433; | HAN JUNG EUN;KIM BYUNG SOOK;KIM SANG MYUNG;LG INNOTEK CO LTD; | C01B31/36; C04B35/565; | SILICON CARBIDE AND METHOD FOR MANUFACTURING THE SAME |
| WO2012055086 A1 20120503 | WO2010CN78066; | HAN MIN;HE LONGBING;SONG FENGQI;UNIV NANJING;WANG GUANGHOU; | B82Y40/00; B82B3/00; C23C14/34; | METHOD FOR PREPARING METAL NANOPARTICLE ARRAY WITH MICRO NUMBER DENSITY OR DIMENSION GRADIENT |
| US2012039116 A1 20120216 | KR20100078800; | HAN NAL AE;KIM SUNG IN;YANG JEONG DO;YOO KYUNG HWA; | H01L45/00; H01L21/02; G11C11/00; | PHASE CHANGE MEMORY DEVICE COMPRISING BISMUTH-TELLURIUM NANOWIRES |
| US2012007018 A1 20120112 | KR20070067842;US20 080167781;US201113 240271; | HAN SANG-YEOB;HONG CHANG-KI;LEE JONG- WON;LEEJAE-DONG; | C09K13/00; | SLURRY COMPOSITIONS FOR SELECTIVELY POLISHING SILICON NITRIDE RELATIVE TO SILICON OXIDE, METHODS OF POLISHING A SILICON NITRIDE LAYER AND METHODS OF MANUFACTURING A SEMICONDUCTOR DEVICE USING THE SAME |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| PL1977816T T3 20120131 | US20030506623P; | HAN SUNG-JAE;JEON CHAN-UK;KANG DAE-HYUK;KIM JUNG-JIN;KO HYUNG-HO;OH JONG-KEUN; | B01J37/34; B01J35/00; B01D53/86; B01J37/02; B01J21/06; B01J23/06; B01J23/02; B01J23/04; B01J21/04; B01J21/18; B01J35/02; C01B31/20; B01J23/66; B01J35/10; A62D9/00; B01D53/94; B01J23/52; | Nanoscale gold catalysts, activating agents, support media, and related methodologies useful for making such catalyst systems especially when the gold is deposited onto the support media using physical vapor deposition |
| US2012148944 A1 20120614 | KR20100126890; | HAN SUNG-JAE;JEON CHAN-UK;KANG DAE-HYUK;KIM JUNG-JIN;KO HYUNG-HO;OH JONG-KEUN; | G03F1/80; G03F1/68; G03F1/00; | PHOTOMASKS AND METHODS OF MANUFACTURING THE SAME |
| US2012121891 A1 20120517 | KR20090090634;WO2010KR06461; | HAN TAE HEE;KIM JI EUN;KIM SANG OUK;LEE DUCK HYUN;LEE JIN AH;LEE KEON JAE;LEE WON JONG; | C23C16/50; B05D5/00; B05D5/12; B32B5/16; C23C16/26; | 3-DIMENSIONAL NANOSTRUCTURE HAVING NANOMATERIALS STACKED ON GRAPHENE SUBSTRATE AND FABRICATION METHOD THEREOF |
| CN102339985 A 20120201 | CN20111284206; | HANGZHOU NARADA BATTERY COMPANY;HANGZHOU NARADA ENERGY TECHNOLOGY CO LTD;ZHEJIANG NARADA POWER SOURCE CO LTD; | H01M4/139; B82Y40/00; | Preparation method for anode material of lithium ion battery |
| DE102010063342 A1 20120621 | DE201010063342; | HANNOVER LASER ZENTRUM; | B01J13/02; | Verfahren zur Herstellung von mikro-nanokombinierten Wirksystemen |
| US2012082594 A1 20120405 | KR20080095856;US20090569050;US201113323255; | HANWHA CHEMICAL CORP; | D01F9/12; | APPARATUS FOR PURIFYING CARBON NANOTUBES |

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| US2012112134 A1 20120510 | KR20090059129;WO2 010KR04242; | HANWHA CHEMICAL CORP; | H01B1/04; | Blending Improvement Carbon-Composite having Carbon-Nanotube and itsContinuous Manufacturing Method and Apparatus |
| EP2448862 A2 20120509 | KR20090059129;WO2 010KR04242; | HANWHA CHEMICAL CORP; | C01B31/02; B82B1/00; B82B3/00; | BLENDING IMPROVEMENT CARBON- COMPOSITE HAVING CARBON-NANOTUBE AND ITSCONTINUOUS MANUFACTURING METHOD AND APPARATUS |
| US2012093710 A1 20120419 | KR20080095856;US20 090569050;US201113 323283; | HANWHA CHEMICAL CORP; | D01F9/12; | PURIFIED CARBON NANOTUBES |
| US2012027945 A1 20120202 | US20090169429P;US 201013262933;WO20 10US28777; | HAO ENCAI;KOLB BRANT U;KOLB WILLIAM BLAKE;PHILLIPSDAVID L; | C08J9/00; B05C9/12; C08F220/28; B05D3/06; C08F301/00; B05D3/02; B05D5/00; | PROCESS AND APPARATUS FOR A NONVOIDED ARTICLE |
| US2012129016 A1 20120524 | WO2009JP59800; | HARADA YASUHIRO;HOSHINA KEIGO;INAGAKI HIROKI;OTANIYUKI;TAKA MI NORIO; | H01M2/00; H01M2/02; H01M2/20; H01M4/485; H01M4/505; H01M4/48; H01M4/131; H01M4/525; | ACTIVE MATERIAL FOR BATTERIES, NON- AQUEOUS ELECTROLYTE BATTERY ANDBATTERY PACK |
| US2012028108 A1 20120202 | JP20100171133; | HARADA YASUHIRO;HOSHINA KEIGO;INAGAKI HIROKI;TAKAMINORIO; | H01M4/48; C01G23/02; H01M2/02; C01B11/14; C01G23/04; | ACTIVE MATERIAL FOR BATTERY, NONAQUEOUS ELECTROLYTE BATTERY, BATTERYPACK, AND VEHICLE |
| US2012009449 A1 20120112 | JP20100154275; | HARADA YASUHIRO;HOSHINAKEIG O;INAGAKI HIROKI;OTANI YUKI;TAKAMI NORIO;ZHANG WEN; | H01M4/48; H01M4/54; H01M4/52; H01M2/02; H01M10/48; H01M4/50; H01M10/02; | ACTIVE MATERIAL FOR BATTERY, NONAQUEOUS ELECTROLYTE BATTERY, BATTERYPACK, AND VEHICLE |

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| CN102509787 A 20120620 | CN20111310263; | HARBIN INST OF TECHNOLOGY; | C01G53/04; H01M4/52; H01M4/32; B82Y40/00; | Preparation method of doped spherical nanoscale Ni(OH) ₂ |
| CN102502814 A 20120620 | CN20111314508; | HARBIN INST OF TECHNOLOGY; | C01G25/00; B82Y40/00; B82Y30/00; | Preparation method of solid-solution type sodium zirconate titanate micro/nanobelt powdery material |
| CN102320654 A 20120118 | CN20111169235; | HARBIN INST OF TECHNOLOGY; | B82Y40/00; B82Y30/00; C01G23/047; | Surface grafted poly (N-isopropyl acrylic amide) TiO ₂ nano particles and preparation method thereof |
| CN102506785 A 20120620 | CN20111286383; | HARBIN INST OF TECHNOLOGY; | B82B3/00; G01B21/02; B82Y40/00; | Three-degree-of-freedom integrated stick-slip linear positioning device |
| AU2010307229 A1 20120412 | US20090243607P;US 20100355528P;WO20 10US49238; | HARVARD COLLEGE; | G01N27/447; G01N33/487; C12Q1/68; | Bare single-layer graphene membrane having a nanopore enabling high-sensitivity molecular detection and analysis |
| KR20120069720 A 20120628 | US20090243607P;US 20100355528P; | HARVARD COLLEGE; | C12Q1/68; G01N33/48; G01N27/447; | BARE SINGLE-LAYER GRAPHENE MEMBRANE HAVING A NANOPORE ENABLING HIGH-SENSITIVITY MOLECULAR DETECTION AND ANALYSIS |
| US2012009504 A1 20120112 | US20090145885P;US 201013145342;WO20 10US21543; | HARVARD COLLEGE; | H01M8/02; B05D5/12; H01M4/86; | ELECTRODES FOR FUEL CELLS |
| CN102357352 A 20120222 | US20040539358P;US 20040539416P;US200 40565866P; | HARVARD COLLEGE; | B01J19/00; B01L3/00; G01N33/553; B01J4/02; | Fluid delivery system and method |

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| WO2012033869 A1 20120315 | US20100380767P; | HARVARD COLLEGE;LIEBERCHARL ES M;NAM SUNGWOO;PARK JANG- UNG; | C01B31/04; H01L29/16; H01L29/786; H01L21/336; | CONTROLLED SYNTHESIS OF MONOLITHICALLY-INTEGRATED GRAPHENE STRUCTURES |
| WO2012002290 A1 20120105 | JP20100148068;JP20 100227013; | HATA KENJI;MIYAKE TAKEO;NAT INST OF ADVANCED IND SCIEN;NISHIZAWAMATSU HIKO;UNIV TOHOKU;YAMADA TAKEO;YOSHINO SYUHEI; | G01N27/327; C01B31/02; H01M4/96; G01N27/30; H01M8/16; | PROTEIN-ENCLOSED CARBON NANOTUBE FILM, AND SENSOR AND POWER- GENERATINGDEVICE EACH EQUIPPED WITH THE CARBON NANOTUBE FILM AS ELECTRODE |
| US2012107220 A1 20120503 | JP20090157226;WO2 010JP61042; | HATA KENJI;SHIBUYA AKIYOSHI;YUMURA MOTOO; | B01J19/00; D01F9/12; | DEVICE FOR MANUFACTURING ALIGNED CARBON NANOTUBE ASSEMBLY |
| US2012128743 A1 20120524 | AU20090900799;AU20 090903131;WO2010A U00212; | HAWKETT BRIAN STANLEY;PHAM THI THUY BINH;SUCH CHRISTOPHERHENRY; | A61K9/14; A61K8/02; C09J125/06; C08L33/12; C08L25/06; C09D125/06; C08L33/02; C09D133/12; C08L33/26; C09J133/12; | POLYMER PARTICLES |
| WO2012043114 A1 20120405 | JP20100214828; | HAYAKAWATERUAKI;HIT ACHI LTD;ISHIDA YOSHIHITO;TADA YASUHIKO;YOSHIDA HIROSHI; | B82Y30/00; C08J9/26; C08J5/18; B32B27/00; B82Y40/00; C08F293/00; | POLYMERIC THIN FILM HAVING SILSESQUIOXANE, FINE STRUCTURE, ANDPROCESSES FOR PRODUCING THESE |
| US2012032141 A1 20120209 | WO2009US39246; | HCF PARTNERS LP; | H01L51/56; H01L51/52; | Compositions Comprising QD Sol-Gel Composites and Methods forProducing and Using the Same |

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| CN102522536 A 20120627 | CN20111424661; | HEFEI GUOXUAN HIGH TECH POWER ENERGY CO LTD; | H01M4/485; B82Y40/00; B82Y30/00; | Template synthesis method for lithium-ion anode material lithium titanate |
| CN102464357 A 20120523 | CN20101534442; | HEFEI INST PHYSICAL SCI CAS; | C02F1/62; C01G49/08; B01J20/06; C02F1/58; C02F1/28; B82Y40/00; | Ferrous oxide nano-grade fiber, preparation method thereof, and purpose thereof |
| CN102500366 A 20120620 | CN20111343737; | HEFEI MEILING CO LTD; | B01J21/10; B01J23/06; B01J23/72; A61L9/013; A61L9/20; B01J23/50; B82Y40/00; A61L9/00; | Photo-catalytic nanomaterial |
| CN102491291 A 20120613 | CN20111417143; | HEFEI MOKAI NEW MATERIAL TECHNOLOGY CO LTD; | C01B21/068; B82Y40/00; | Method for preparing high-purity silicon nitride micro-nano powder |
| CN102424427 A 20120425 | CN20111261004; | HEFEI UNIVERSITY; | C01G49/08; B82Y40/00; | Simple preparation method of magnetic Fe ₃ O ₄ nano-material |
| CN102332567 A 20120125 | CN20111232125; | HEILONGJIANG INST SCI & TECH; | B82Y30/00; B82Y40/00; H01M4/36; | Graphene/chromium nitride nano-composite material and preparation method thereof |
| CN102417186 A 20120418 | CN20111263223; | HEILONGJIANG INST SCI & TECH; | B82Y40/00; C01B33/18; C25B1/22; B82Y30/00; | Novel method for preparing nano silica powder |
| EP2444545 A1 20120425 | CH20070000627;CH2 0080000454;EP20080 733793; | HEIQ MATERIALS AG; | C09K3/18; B82Y30/00; D06M13/513; D06M11/83; D06M15/256; C09C1/40; D06M23/08; D06M23/12; C09C3/04; D06M11/46; D06M11/45; C09C3/12; C09C3/00; B01J13/04; D06M11/79; | Water, oil and dirt repellent finishing on fibres and textile area-measured material |
| US2012077034 A1 20120329 | US20090170063P;US 201013259602;WO20 10US30990; | HEITSCH ANDREW T;HESSEL COLIN M;KORGEL BRIAN A; | C01B33/021; | SYNTHESIS OF SILICON NANORODS |

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| ES2380335T T3 20120510 | DE20031044449;WO2 004EP10382; | HENKEL AG & CO KGAA; | C08K3/00; C08G18/67; C09J175/04; C09J175/16; C08G18/10; C08K3/34; C08G18/28; C09J11/04; | Composición de adhesivo que tiene propiedades barrera |
| AT542873T T 20120215 | DE20031044449;WO2 004EP10382; | HENKEL AG & CO KGAA; | C09J175/16; C09J175/04; C08G18/28; C08K3/34; C08G18/67; C08K3/00; C09J11/04; C08G18/10; | KLEBSTOFF-ZUSAMMENSETZUNG MIT BARRIERE- EIGENSCHAFTEN |
| EP2440641 A1 20120418 | DE200910026810;WO 2010EP57417; | HENKEL AG & CO KGAA; | C11D3/37; C01G45/02; C11D3/39; C11D3/16; | NANOPARTICULATE MANGANESE DIOXIDE |
| MX2011013106 A 20120120 | DE200910026810;WO 2010EP57417; | HENKEL AG & CO KGAA; | C11D3/16; C11D3/37; C11D3/39; C01G45/02; | NANOPARTICULATE MANGANESE DIOXIDE. |
| WO2012000741 A1 20120105 | DE201010030822; | HERZOG HARALD;KATUSIC STIPAN;MEYER JUERGEN;PAULMANN UWE;SCHULTHEIS FRIEDEL;TOSHIBA KK; | C09C3/12; C01G49/06; C01G49/00; C09C3/06; C01G49/02; C01G49/08; C09C1/24; | PARTIALLY SILYLATED MAGNETIC PARTICLES AND DISPERSIONS THEREOF |
| CN102348966 A 20120208 | WO2009US37167; | HEWLETT PACKARD DEVELOPMENT CO; | G01J3/44; | Broad band structures for surface enhanced raman spectroscopy |
| EP2406601 A1 20120118 | WO2009US37167; | HEWLETT PACKARD DEVELOPMENT CO; | G01N21/65; | BROAD BAND STRUCTURES FOR SURFACE ENHANCED RAMAN SPECTROSCOPY |
| CN102483354 A 20120530 | WO2009US57327; | HEWLETT PACKARD DEVELOPMENT CO; | G01J3/44; | Electrically driven devices for surface enhanced raman spectroscopy |
| US2012113418 A1 20120510 | WO2009US49911; | HEWLETT PACKARD DEVELOPMENT CO; | G01J3/44; H01L21/20; H01L33/06; | LIGHT AMPLIFYING DEVICES FOR SURFACE ENHANCED RAMAN SPECTROSCOPY |
| US2012112167 A1 20120510 | US20100942131; | HEWLETT PACKARD DEVELOPMENT CO; | H01L29/93; | Nanoscale electronic device with anisotropic dielectric material |
| US8154127 B1 20120410 | US20070829995; | HEWLETT PACKARD DEVELOPMENT CO; | H01L23/48; | Optical device and method of making the same |

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| EP2459608 A1 20120606 | WO2009US52484; | HEWLETT PACKARD DEVELOPMENT CO; | C08F2/22; C08F2/44; C08F257/02; C08F265/06; C08F285/00; | POLYMER ENCAPSULATION OF PARTICLES |
| TWI356005B B 20120111 | US20050257960; | HEWLETT PACKARD DEVELOPMENT CO;ILFORD IMAGING CH GMBH; | C09C1/28; C09D11/02; B41M5/50; B41M5/52; B41M5/41; C09C3/06; C09C1/30; B41J2/01; B41M5/00; C09C3/12; | Porous silica coated inkjet recording material |
| WO2012054052 A1 20120426 | WO2010US53696; | HEWLETT PACKARD DEVELOPMENT CO;KASPERCHIK VLADEK; | C09C3/12; C09D11/00; C09C3/10; | OXIDE PIGMENT DISPERSION FOR INKJET INK |
| CN102515260 A 20120627 | CN20111318933; | HEXIANG YI; | B82Y40/00; C01G19/02; | Method for producing nanometer tin oxide doped with antimony |
| WO2012014213 A1 20120202 | US20100368680P; | HEYMAN ARNON;LAPIDOTSHAUL; MEIROVITCH SIGAL;NEVO YUVAL;RIVKIN AMIT;SHOSEYOV ODED;YISSUM RES DEV CO; | D21C5/00; D21C11/00; C08J11/06; C08B15/08; B82Y30/00; | METHOD FOR PRODUCTION OF CELLULOSE NANO CRYSTALS FROMCELLULOSE- CONTAINING WASTE MATERIALS |
| WO2012077825 A1 20120614 | JP20100274432; | HIGASHIMURA HIDEYUKI;IIJIMA TAKAYUKI;SUMITOMO CHEMICAL CO; | B22F9/24; | METAL NANOWIRE PRODUCTION METHOD |

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| US2012058889 A1 20120308 | JP20090050166;JP20 090088442;JP200902 94873;WO2010JP535 00; | HIGUCHI KAZUYOSHI;IKEUCHISHU KO;KATO HAJIME;NISHINO HIDEKAZU;OKAMOTO NAOYO;SATO KENICHI;TANAKA SHIHO; | D01F9/12; B01J21/10; H01B1/04; | Composition containing carbon nanotubes, catalyst for producing carbonnanotubes, and aqueous dispersion of carbon nanotubes |
| WO2012010416 A1 20120126 | DE201010031585; | HILLE ANDREAS;TOSHIBA KK; | C01B33/18; C09C1/30; | SILICON DIOXIDE POWDER HAVING SPECIAL SURFACE PROPERTIES AND TONERCOMPOSITION CONTAINING SAID POWDER |
| WO2012046669 A1 20120412 | JP20100228634; | HIROHASHI TAKUYA;MIWA TAKUYA;MORIWAKA TAMAE;NOMOTO KUNIHARU;SEMICONDC TOR ENERGY LAB;YAMAZAKI SHUNPEI; | H01M4/485; H01M4/36; H01M4/58; | POSITIVE-ELECTRODE ACTIVE MATERIAL AND POWER STORAGE DEVICE |

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| US2012138868 A1 20120607 | JP20090109102;WO2 010JP57165; | HITACHI CHEMICAL CO LTD; | H01B1/22; H01R43/00; H01B1/24; H01B1/20; | CIRCUIT CONNECTING MATERIAL, FILM-LIKE CIRCUIT CONNECTING MATERIALUSING THE CIRCUIT CONNECTING MATERIAL, STRUCTURE FOR CONNECTING CIRCUIT MEMBER, AND METHOD FOR CONNECTING CIRCUIT MEMBER |
| US2012160804 A1 20120628 | JP20090032635;JP20 090121144;JP200902 90563;US2011132015 29;US201213412893; WO2010JP50806;WO 2010JP52069; | HITACHI CHEMICAL CO LTD; | C09K13/06; B24B37/04; C23F1/18; | POLISHING AGENT FOR COPPER POLISHING AND POLISHING METHOD USING SAME |
| US2012101191 A1 20120426 | JP20100236592; | HITACHI CHEMICAL CO LTD; | C08L71/12; C08L63/02; C08K3/36; | THERMOSETTING RESIN COMPOSITION FOR SEALING PACKING OF SEMICONDUCTOR,AND SEMICONDUCTOR DEVICE |
| TW201212363 A 20120316 | JP20100079938; | HITACHI CHEMICAL CO LTD;HITACHI LTD; | H01M4/48; H01M4/505; H01M4/525; | Positive electrode active material |
| CN102482098 A 20120530 | JP20090209844;WO2 010JP65514; | HITACHI CHEMICAL CO LTD;UNIV TOKYO; | B01J23/745; C01B3/26; B01J37/08; C01B31/02; | Method For Simultaneously Producing Carbon Nanotubes And Hydrogen, AndDevice For Simultaneously Producing Carbon Nanotubes And Hydrogen |
| US2012085925 A1 20120412 | JP20090143075;WO2 010JP03964; | HITACHI HIGH TECH CORP; | G21K5/08; | CHARGED PARTICLE RADIATION DEVICE |
| US2012007280 A1 20120112 | JP20090045623;US20 100711377;US201113 238735; | HITACHI HIGH TECH CORP; | B29C49/00; B29C47/00; | FINE-STRUCTURE TRANSFER METHOD |

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| US2012025419 A1 20120202 | JP20100168314; | HITACHI HIGH TECH CORP; | B29C59/02; | IMPRINTING APPARATUS AND IMPRINT TRANSFER METHOD |
| US2012038071 A1 20120216 | JP20100180750; | HITACHI HIGH TECH CORP; | B29C35/08; G02B1/12; | OPTICAL IMPRINTING METHOD AND DEVICE |
| US2012053892 A1 20120301 | JP20090045047;WO2010JP00620; | HITACHI HIGH TECH CORP; | G06F15/00; G01B15/04; | PATTERN MEASUREMENT APPARATUS |
| JP2012066536 A 20120405 | JP20100214828; | HITACHI LTD; | B32B27/06; B32B27/28; G11B5/84; C08F8/42; C08G77/442; B82B3/00; C08J9/26; | POLYMER THIN FILM HAVING SILSESQUIOXANE, FINE STRUCTURE AND METHODS OF PRODUCING THEM |
| EP2402081 A1 20120104 | JP20090045401;JP20090045405;WO2010JP52410; | HITACHI SHIPBUILDING ENG CO;IHARA CHEMICAL IND CO;TOYOTA MOTOR CO LTD; | C01B3/04; C08G14/073; B01J23/46; B01J37/08; B01J37/18; | AMMONIA DECOMPOSITION CATALYST |
| CN102333590 A 20120125 | JP20090045401;JP20090045405;WO2010JP52410; | HITACHI SHIPBUILDING ENG CO;IHARACHEMICAL IND CO;TOYOTA JIDOU SHA KABUSHIKI KAIS; | B01J23/46; B01J37/18; B01J37/08; C01B3/04; C08G14/073; | Ammonia decomposition catalyst |
| WO2012015044 A1 20120202 | JP20100171235; | HITOE YOSHINORI;HODOGAYA CHEMICAL CO LTD;KAWASHIMA SHOJI;SATO HIROSHI;SUZUKI JUN; | C08L101/00; C01B31/02; C08K7/06; D01F9/127; | VAPOR GROWN CARBON FIBER AGGREGATE |
| US2012088107 A1 20120412 | US20090386915;US201113328822; | HO MON-SHU;HUANG CHIH-PONG; | B32B5/16; B32B19/00; H01L21/31; C23C14/34; B32B15/04; C30B23/02; | METHOD OF FORMING SELF-ASSEMBLY AND UNIFORM FULLERENE ARRAY ON SURFACE OF SUBSTRATE |

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| US2012132110 A1 20120531 | EP20090162451;WO2 010NL50349; | HOLLAND COLOURS N V; | C08K3/32; C08K3/22; C08K3/08; | CONCENTRATE COMPOSITION FOR POLYMERS |
| WO2012083360 A1 20120628 | AU20100905624; | HOLMES ANDREW;JONES DAVID;SEYLER HELGA;UNIV MELBOURNE;WONG WING HO WALLACE; | B82Y30/00; B82Y10/00; C01B31/02; | CONTINUOUS PROCESS FOR THE FUNCTIONALIZATION OF FULLERENES |
| KR20120059349 A 20120608 | KR20110088430; | HOMYK ANDREW P;SCHERER AXEL;WALAVALKAR SAMEER; | C23C16/26; B82B3/00; C01B31/02; B82Y40/00; | FABRICATION METHOD OF CARBON NANOTUBE THREE-DIMENSIONAL NETWORKSHAVING IMPROVED STRENGTH |
| US2012152902 A1 20120621 | US20100415162P;US 201113299332; | HOMYK ANDREW P;SCHERER AXEL;WALAVALKAR SAMEER; | C23F1/00; | FORMING NANOMETER-SIZED PATTERNS BY ELECTRON MICROSCOPY |
| US2012091433 A1 20120419 | TW20100135447; | HON HAI PREC IND CO LTD; | H01L21/00; | LIGHT EMITTING DIODE AND METHOD FOR MAKING SAME |
| US2012115367 A1 20120510 | TW20100138282; | HON HAI PREC IND CO LTD; | C25D1/14; H01R24/20; | METHOD FOR INTEGRATING AND ERECTING CARBON NANOTUBE COLUMN |
| TW201219296 A 20120516 | TW20100138282; | HON HAI PREC IND CO LTD; | H05K3/40; B82B3/00; | Method for manufacturing electrical connector and |

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| US2012031551 A1 20120209 | TW20100126021; | HON HAI PREC IND CO LTD; | B32B38/10; | METHOD FOR TRANSFER PRINTING NANOWIRES |
| TW201206820 A 20120216 | TW20100126021; | HON HAI PREC IND CO LTD; | B82B3/00; | Method of transfer printing nanowire |
| TW201200463 A 20120101 | TW20100120345; | HON HAI PREC IND CO LTD; | B82B3/00; B82B1/00; | Nanowire film and manufacturing method of same |
| US2012153319 A1 20120621 | TW20100144160; | HON HAI PREC IND CO LTD; | H01L33/00; H01L33/08; | SELF-ILLUMINATING DISPLAY AND METHOD FOR MAKING SAME |
| US2012045911 A1 20120223 | TW20100216035U; | HON HAI PREC IND CO LTD; | H01R4/28; H01R4/58; | SOCKET CONNECTOR HAVING CARBON NANOTUBE CONTACTS FOR SIGNALTRANSMISSION AND METALLIC CONTACTS FOR POWER TRANSMISSION |
| TW201218378 A 20120501 | TW20100136866; | HON HAI PREC IND CO LTD; | H01L29/40; H01L21/336; H01L29/78; | Transistor and manufacturing method for the same |
| US2012104361 A1 20120503 | TW20100136866; | HON HAI PREC IND CO LTD; | H01L29/786; | TRANSISTOR USING SOURCE ELECTRODE AND DRAIN ELECTRODE HAVING POINTEDPORTIONS |
| JP2012011172 A 20120119 | CN20101217663; | HON HAI PREC IND CO LTD;UNIV QINGHUA; | A61N1/36; A61N1/05; | BRAIN PACEMAKER AND ELECTRODE LINE UTILIZED FOR THE SAME |
| JP2012119296 A 20120621 | CN20101564701; | HON HAI PREC IND CO LTD;UNIV QINGHUA; | B82Y40/00; B82Y30/00; H01J1/304; C01B31/02; H01J9/02; | ELECTRON EMITTER, MANUFACTURING METHOD THEREOF, AND PIXEL TUBE OFFIELD EMISSION DISPLAY DEVICE USING THE SAME |
| JP2012001423 A 20120105 | CN20101201344; | HON HAI PREC IND CO LTD;UNIV QINGHUA; | C01B31/02; B01J37/16; B01J37/02; B01J37/12; B01J23/745; | METHOD OF PRODUCING SEMICONDUCTOR CARBON NANOTUBE |
| US2012043004 A1 20120223 | CN20101259952; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | H01B13/26; | APPARATUS FOR MAKING CARBON NANOTUBE COMPOSITE WIRE STRUCTURE |
| US2012063968 A1 20120315 | TW20060121708;US2 0060608612;US20111 | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B01J19/20; B01J19/00; | APPARATUS FOR MANUFACTURING LARGE- AREA CARBON NANOTUBE FILMS |

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| US2012125656 A1 20120524 | CN20101549606; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | H01B7/18; | CABLE |
| US2012077715 A1 20120329 | CN20101294641; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | C40B40/18; C40B50/14; | CARBON NANOTUBE ARRAY AND METHOD FOR MAKING SAME |
| US2012014038 A1 20120119 | CN20101226801; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | H01G9/155; | CARBON NANOTUBE BASED SUPERCAPACITOR |
| US2012045599 A1 20120223 | CN20101259930; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B29C53/56; B32B9/04; | CARBON NANOTUBE COMPOSITE HOLLOW STRUCTURE AND METHOD FOR MAKING THE SAME |
| US2012107591 A1 20120503 | CN20101524860; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B32B27/12; B32B3/00; B32B27/32; B32B27/04; | CARBON NANOTUBE COMPOSITE STRUCTURE |
| US2012164372 A1 20120628 | CN20081066048;US20080243059;US201213411691; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B32B5/12; B32B5/16; | CARBON NANOTUBE FILM STRUCTURE |
| US2012045643 A1 20120223 | CN20101259961; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | D04C1/00; D02G3/36; B65H81/06; D02G3/02; | CARBON NANOTUBE WIRE STRUCTURE AND METHOD FOR MAKING THE SAME |
| US2012047670 A1 20120301 | CN20101262472; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | A47L25/00; | CLEANING DEVICE INCORPORATING CARBON NANOTUBES |
| US2012164375 A1 20120628 | CN20101607353; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B32B7/00; B32B38/00; B05D3/10; C23C14/34; B32B5/02; B29C55/00; B32B5/16; C23C16/26; C23C28/00; B05D3/06; B05D3/12; B05D3/04; | COMPOSITE CARBON NANOTUBE STRUCTURE AND METHOD FOR FABRICATING THE SAME |
| US2012122221 A1 20120517 | CN20101541533; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | C12N5/02; C07K14/00; | CULTURE MEDIUM AND HYDROPHILIC COMPOSITE THEREOF |

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| US2012028115 A1 20120202 | CN20101242522;CN2 0101242531;CN20101 242541;CN201015071 58;CN20101509983;C N20101510350;CN201 01529980;US2011130 92135;US2011131069 99; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | H01M4/58; | ELECTRODE COMPOSITE MATERIAL, METHOD FOR MAKING THE SAME, AND LITHIUM ION BATTERY USING THE SAME |
| US2012028114 A1 20120202 | CN20101242522;CN2 0101242531;CN20101 242541;CN201015071 58;CN20101509983;C N20101510350;CN201 01529980;US2011130 92135;US2011131069 96; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B05D3/02; H01M4/04; H01M4/54; B05D5/12; H01M4/64; H01M4/52; H01M4/50; | ELECTRODE COMPOSITE MATERIAL, METHOD FOR MAKING THE SAME, AND LITHIUM ION BATTERY USING THE SAME |
| US2012004702 A1 20120105 | CN20101217663; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | A61N1/05; A61N1/36; | ELECTRONIC PACEMAKER AND PACEMAKER LEAD |
| US2012075582 A1 20120329 | CN20101294970; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | G02C7/10; | EYEGASSES AND LENS FOR SAME |
| US2012159690 A1 20120628 | CN20101607321;CN2 0101607405;CN20101 607441;CN201016074 43;CN20101607445;C N20101607457;US201 113326677;US201113 335895; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | A41D1/00; | INPUTTING FINGERTIP SLEEVE |

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| US2012159688 A1 20120628 | CN20101607321;CN20101607405;CN20101607441;CN20101607443;CN20101607445;CN20101607457;US201113326677;US201113335063; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | A41D1/00; | INPUTTING FINGERTIP SLEEVE |
| US2012159687 A1 20120628 | CN20101607321;CN20101607405;CN20101607441;CN20101607443;CN20101607445;CN20101607457;US201113326677;US201113335012; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | A41D1/00; | INPUTTING FINGERTIP SLEEVE |
| US2012162147 A1 20120628 | CN20101607321;CN20101607405;CN20101607441;CN20101607443;CN20101607445;CN20101607457;US201113326677;US201113334984; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | G06F3/033; | INPUTTING FINGERTIP SLEEVE |
| US2012159686 A1 20120628 | CN20101607321;CN20101607405;CN20101607441;CN20101607443;CN20101607445;CN20101607457;US201113326677;US201113334973; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | A41D1/00; | INPUTTING FINGERTIP SLEEVE |

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| US2012159684 A1 20120628 | CN20101607321;CN20101607405;CN20101607441;CN20101607443;CN20101607445;CN20101607457;US201113326677;US201113332489; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | A41D1/00; | INPUTTING FINGERTIP SLEEVE |
| US2012159683 A1 20120628 | CN20101607321;CN20101607405;CN20101607441;CN20101607443;CN20101607445;CN20101607457; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | A41D1/00; | INPUTTING FINGERTIP SLEEVE |
| US2012045645 A1 20120223 | CN20101259929; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B32B1/08; C01B31/00; B32B9/00; | MARCO-SCALE CARBON NANOTUBE TUBE STRUCTURE |
| US2012118501 A1 20120517 | CN20101541541; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B32B38/00; B32B37/14; B32B37/02; | METHOD FOR FORMING HYDROPHILIC COMPOSITE |
| US2012076718 A1 20120329 | CN20101294649; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | D01F9/12; | METHOD FOR MAKING CARBON NANOTUBE ARRAY |
| US2012149547 A1 20120614 | CN20101579196; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B01J37/04; B01J37/18; B01J37/34; B01J37/16; B01J31/06; | METHOD FOR MAKING CARBON NANOTUBE BASED COMPOSITE |
| US2012103510 A1 20120503 | CN20101524918; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | C23C14/28; B32B37/16; | METHOD FOR MAKING CARBON NANOTUBE COMPOSITE STRUCTURE |
| US2012101300 A1 20120426 | CN20101520058; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | C07C51/31; | METHOD FOR MAKING HYDROPHILIC CARBON NANOTUBE FILM |
| US2012043012 A1 20120223 | CN20101259929;US201113043478;US2011 | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B29C53/72; B32B37/14; B32B37/02; B32B38/10; | METHOD FOR MAKING MARCO-SCALE CARBON NANOTUBE TUBE STRUCTURE |

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| US2012070625 A1 20120322 | CN20091106938;US2 0100749715;US20111 3303368; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B29C55/00; B32B7/02; B32B3/28; | METHOD FOR MANUFACTURING CARBON NANOTUBE FILM |
| US2012064258 A1 20120315 | CN20071077112;US2 0070938478;US20111 3298288; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B05D3/06; | METHOD FOR MANUFACTURING CARBON NANOTUBES |
| US2012046482 A1 20120223 | CN20101259928; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | C07F1/12; | METHOD FOR SYNTHESIZING GOLD NANOPARTICLES |
| US2012025427 A1 20120202 | CN20081066687;US2 0080339341;US20111 3270245; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B29C35/10; | METHOD OF MAKING TRANSPARENT CONDUCTIVE FILM |
| US2012043690 A1 20120223 | CN20101259952;US2 0100979519;US20100 981530; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B32B1/00; | MTHODE FOR MAKING CARBON NANOTUBE COMPOSITE WIRE STRUCTURE |
| US2012097235 A1 20120426 | CN20101512912; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | H01L51/48; H01L51/46; H01L51/44; | PHOTOELECTRIC CONVERSION DEVICE AND METHOD FOR MAKING THE SAME |
| US2012006784 A1 20120112 | CN20101219817; | HON HAI PREC IND CO LTD;UNIV TSINGHUA; | B32B37/12; B32B37/02; B32B37/14; B32B38/10; | TRANSMISSION ELECTRON MICROSCOPE GRID AND METHOD FOR MAKING SAME |
| US2012138148 A1 20120607 | US20060867145P;US 20070945152; | HONDA MOTOR CO LTD; | F17D1/02; | INJECTOR FOR LARGE AMOUNT OF AEROSOL POWDER FOR SYNTHESIS OF CARBONNANOTUBES |
| US2012149555 A1 20120614 | JP20100273920; | HONDA MOTOR CO LTD; | B01J23/89; B01J21/18; B01J37/08; | Method for Producing Alloy Catalyst for Redox Reaction |
| JP2012120981 A 20120628 | JP20100273920; | HONDA MOTOR CO LTD; | B01J23/89; B22F9/24; B01J37/08; B01J37/04; | METHOD FOR PRODUCING ALLOY CATALYST FOR REDOX REACTION |
| JP2012111690 A 20120614 | US20040992275; | HONDA MOTOR CO LTD;OHIO STATE UNIV RES FOUNDATION; | C01B31/02; B01J23/745; | METHOD FOR PRODUCING CARBON NANOTUBE |

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| JP2012106922 A 20120607 | US20100414025; | HONDA MOTOR CO LTD;UNIV WASEDA; | B82Y40/00; C01B31/02; | METHOD FOR PRODUCING CARBON NANOTUBE |
| US2012156392 A1 20120621 | JP20090200586;WO2 010JP64719; | HONDA MOTOR CO LTD;UNIV WASEDA; | C23C16/26; B05D3/06; | ORIENTED CARBON NANOTUBE MANUFACTURING METHOD |
| AT557440T T 20120515 | US20000569897;WO2 001US15184; | HONEYWELL INT INC; | H01M8/02; | NANOKOMPOSIT FÜR BIPOLARE PLATTEN EINER BRENNSTOFFZELLE |
| DK1287573T T3 20120618 | US20000569897;WO2 001US15184; | HONEYWELL INT INC; | H01M8/02; | NANOKOMPOSIT TIL BIPOL-RE PLADER I EN BR-NDSELSCELLE |
| WO2012022618 A1 20120223 | EP20100008556;US20 100344554P; | HONG HEONPYO;KIM JIHYE;PAULSEN JENS;UMICORE NV; | H01M4/525; C04B35/01; C01G53/04; C04B35/628; | ALUMINA DRY -COATED CATHODE MATERIAL PRECURSORS |
| US2012024757 A1 20120202 | US20100363662P;US 201113182396; | HONG LIANG;LIU ZHAO LIN;WANG WEI;XIA ZETAO; | B01J37/08; B01J37/18; B01J21/18; B01J37/03; B01J37/16; C10G31/00; B01J37/34; B01J37/02; | METHOD FOR FORMING A CATALYST COMPRISING CATALYTIC NANOPARTICLES AND ACATALYST SUPPORT |
| CN102431991 A 20120502 | CN20111283541; | HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA; | B82Y30/00; C01B31/02; B82Y40/00; | Carbon nano-tube and nano-particle composite material |
| CN102417171 A 20120418 | CN20101294641;CN2 0111093268; | HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA; | B82Y40/00; C01B31/00; C01B31/02; | Carbon nano tube array and preparation method thereof |
| CN102464310 A 20120523 | CN20101541533; | HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA; | B82Y30/00; C01B31/00; | Hydrophilic carbon nanotube composite structure |
| CN102452646 A 20120516 | CN20101520058; | HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA; | C01B31/02; B82B3/00; | Method for preparing hydrophilic carbon nanotube film |
| CN102314964 A 20120111 | CN20101217663; | HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA; | H01B1/04; H01B7/04; H01B5/08; A61N1/362; H01B5/02; | Pacemaker and pacemaker conducting wire thereof |

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| CN102417172 A 20120418 | CN20101294649;CN2 0111093310; | HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA; | B82Y40/00; C01B31/02; | Preparation method of carbon nanotube array |
| CN102371356 A 20120314 | CN20101259928; | HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA; | B22F9/24; | Preparation method of gold nanoparticles |
| US2012035499 A1 20120209 | US20030531928P;US 20040927959;US2008 0209091;US20111320 5539; | HOON DAVID;SHAOLIAN SAMUEL;TABACK BRET; | C12M1/34; G01N33/53; C12Q1/68; A61B10/02; G01N33/537; G01N33/543; | METHOD AND APPARATUS FOR IN VIVO COLLECTION OF CIRCULATING BIOLOGICALCOMPONENTS |
| US2012100466 A1 20120426 | JP20090085090;WO2 010JP02300; | HOYA CORP; | G03F1/46; G03F1/50; | MASK BLANK AND TRANSFER MASK |
| US2012100470 A1 20120426 | JP20090145700;WO2 010JP60269; | HOYA CORP; | G03F1/48; G03F1/50; G03F1/72; | MASK BLANK, TRANSFER MASK, AND METHOD OF MANUFACTURING A TRANSFER MASK |
| US2012034552 A1 20120209 | JP20090030365;WO2 010JP51208; | HOYA CORP; | H01L21/027; | METHOD OF MANUFACTURING A PHOTOMASK |
| US2012019916 A1 20120126 | JP20090077362;WO2 010JP54923; | HOYA CORP; | G02B1/10; | MULTILAYER REFLECTIVE FILM COATED SUBSTRATE FOR A REFLECTIVE MASK,REFLECTIVE MASK BLANK, AND METHODS OF MANUFACTURING THE SAME |
| KR20120057551 A 20120605 | JP20090023957;JP20 090115307;WO2010J P51204; | HOYA CORP; | G03F1/54; H01L21/027; G03F1/58; G03F1/52; | REFLECTIVE MASK BLANK AND METHOD FOR PRODUCING REFLECTIVE MASK |
| KR20120006011 A 20120117 | JP20090077362; | HOYA CORP; | G03F1/52; H01L21/027; | SUBSTRATE PROVIDED WITH MULTILAYER REFLECTION FILM FOR REFLECTIVEMASK, REFLECTIVE MASK BLANK, AND METHODS FOR MANUFACTURING THE SUBSTRATE AND THE MASK BLANK |

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| US2012071680 A1 20120322 | JP20090143196;JP20 090224342;WO2010J P60008; | HOYA CORP; | C07F7/00; C07F19/00; | SURFACE-MODIFIED ZIRCONIA NANOCRYSTAL PARTICLE AND METHOD FOR PRODUCING SAME |
| WO2012081548 A1 20120621 | JP20100277120;JP20 100277121; | HOYA CORP;IYAMA HIROMASA;KOBAYASHI HIDEO; | H01L21/027; | FLUID SUPPLY DEVICE, RESIST DEVELOPMENT DEVICE, AND MOLD MANUFACTURING METHOD |
| US2012112098 A1 20120510 | US20100371151P;US 201113204173; | HOYT CLIFFORD C; | G01N21/64; | ENHANCING VISUAL ASSESSMENT OF SAMPLES |
| US2012146168 A1 20120614 | US20100750716;US20 1213401850; | HSIEH CHUN-I;WU CHANG-RONG; | H01L21/02; H01L29/82; | MAGNETORESISTIVE RANDOM ACCESS MEMORY ELEMENT AND FABRICATION METHOD THEREOF |
| US2012152334 A1 20120621 | US20100970465; | HU CHIH-KAI;LIN JIAN- YANG; | H01L31/02; H01L31/18; | DYE-SENSITIZED SOLAR CELL WITH HYBRID NANOSTRUCTURES AND METHOD FOR FABRICATING WORKING ELECTRODES THEREOF |
| CN102320618 A 20120118 | CN20111176554; | HUAIYIN INST TECHNOLOGY; | C01B33/40; B82Y40/00; | Clay micro/nanorization method based on high aspect ratio structure of high pressure expansion protective material |
| US2012058039 A1 20120308 | US20100309472P;US 201113036566; | HUANG GUIQING; | C01B25/45; | HIGH PERFORMANCE CATHODE MATERIAL LiFePO ₄ , ITS PRECURSORS AND METHODS OF MAKING THEREOF |
| KR20120057298 A 20120605 | KR20100118971; | HUANG HUNG JI; TSAI DIN PING; | H01L33/18; H01L33/04; | Light emitting device and method of manufacturing thereof |
| US2012107621 A1 20120503 | US20100913212; | HUANG HUNG JI; TSAI DIN PING; | B32B5/16; F21V9/00; B32B18/00; B32B17/06; | MATERIAL FOR EXPANDING THE RANGE OF LIGHT ABSORPTION IN AN ORIGINAL CONSTITUTION MATERIAL |
| US2012153260 A1 20120621 | US20100423711P;US 201113314688;US201 161522388P; | HUANG JINGQING;KIM SEHEON;OH DONG YOON;SCHERER AXEL; | H01L21/306; H01L29/06; | CHEMICALLY-ETCHED NANOSTRUCTURES AND RELATED DEVICES |

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| US2012135165 A1 20120531 | US20100955481; | HUANG YU-HUI; | B32B5/16; C07F7/21; C09K19/00; | ANTI GLARE AND ANTISEPTIC COATING MATERIAL AND TOUCHSCREEN COATED WITH THE SAME |
| CN102491421 A 20120613 | CN20111366085; | HUBEI HENGHAO TECHNOLOGY CO LTD; | C01G45/02; B82Y40/00; | Nesting doll-shaped manganese oxide nanocrystalline grain composite particle and preparation method thereof |
| US2012148475 A1 20120614 | US20100967651; | HUMFELD KEITH DANIEL;PARAMESWARAN VENKATACHA; | D01F9/12; C23C16/26; | AUGMENTED REACTOR FOR CHEMICAL VAPOR DEPOSITION OF ULTRA-LONG CARBON NANOTUBES |
| WO2012003029 A1 20120105 | US20100824994; | HUNG CHENG-HUNG;PPG IND OHIO INC;VANIER NOEL R; | H05H1/24; B82Y30/00; B22F9/12; B01J19/08; | PRODUCTION OF ULTRAFINE PARTICLES IN A PLASMA SYSTEM HAVING CONTROLLED PRESSURE ZONES |
| US2012149842 A1 20120614 | EP20030255011;US20 040567945;US201213 397015;WO2004EP51 796; | HUNTSMAN ADV MAT AMERICAS INC; | C08L75/04; C08G71/04; | Non-Isocyanate-Based Polyurethane and Hybrid Polyurethane-Epoxy Nanocomposite Polymer Compositions |
| TW201215701 A 20120416 | EP20100172786; | HUNTSMAN ADV MAT SWITZERLAND; | D06M10/10; C23C16/26; D06M15/55; D06M11/74; | Process to grow carbon nanotubes onto fibers |
| US2012025246 A1 20120202 | KR20100063790; | HUR WON GOO;KIM GI BUM;KIM KI SUNG;KIM TAE HUN;KIM YOUNG SUN; | H01L33/58; | SEMICONDUCTOR LIGHT EMITTING DEVICE AND METHOD OF MANUFACTURING THE SAME |
| WO2012022363 A1 20120223 | WO2010EP05136; | HUSSEIN LAITH;KRUEGER MICHAEL;UNIV ALBERT LUDWIGS FREIBURG;URBAN GERALD; | H01M4/96; H01M4/88; H01M4/86; B82Y30/00; H01M8/16; H01M4/92; | METHOD FOR FABRICATING ELECTRODES FOR ONE-COMPARTMENT FUEL CELLS BASED ON CARBON NANOTUBE BUCKY PAPER |
| CN102408132 A 20120411 | CN20111239123; | HUZHOU TEACHERS COLLEGE; | B82Y40/00; C01G49/00; | Method for preparing nanometer lanthanum ferrite powder by using microwave process |

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| US2012133247 A1 20120531 | KR20100120111;KR20110087533; | HWANG GEON-TAE;KIM DO KYUNG;KIM SANG OUK;LEE KEON JAE;PARK KWI-IL; | H01L41/22; H02N2/18; H01L41/18; | FLEXIBLE NANOCOMPOSITE GENERATOR AND METHOD FOR MANUFACTURING THE SAME |
| US2012115293 A1 20120510 | KR20100110209; | HWANG KI-HYUN;KIMJIN-GYUN;LIM HUN-HYEONG;NOH JIN-TAE;YANG SANG-RYOL; | H01L21/336; H01L21/8234; | METHODS OF MANUFACTURING SEMICONDUCTOR DEVICES |
| US2012135311 A1 20120531 | CA20002327370;US20040830240;US20080149535;US201213360173;WO2001CA01714; | HYDRO QUEBEC; | H01M4/131; H01G9/038; C01G23/00; H01M10/36; H01G9/155; H01M4/58; H01M4/48; H01B1/08; H01M4/485; H01M4/136; H01G9/058; H01G9/025; C01D15/02; H01G9/00; H01M4/04; H01M4/62; H01M10/0525; | Li4Ti5O12, Li(4-alpha)ZalphaTi5O12 OR Li4ZbetaTi(5-beta)O12 PARTICLES, PROCESSES FOR OBTAINING SAME AND USE AS ELECTROCHEMICAL GENERATORS |
| US2012135586 A1 20120531 | KR20100119202; | HYNIX SEMICONDUCTOR INC; | H01L21/223; H01L21/225; | METHOD OF MANUFACTURING SEMICONDUCTOR DEVICE |
| US2012135340 A1 20120531 | KR20100120550; | HYNIX SEMICONDUCTOR INC; | G03F1/72; G03F1/74; G03F1/00; G03F1/24; | PHOTOMASK AND FORMATION METHOD THEREOF |
| US2012142162 A1 20120607 | KR20090005641;US20090640354;US201213370590; | HYNIX SEMICONDUCTOR INC; | H01L21/02; | SEMICONDUCTOR DEVICE AND METHOD FOR FABRICATING THE SAME |
| KR20120014022 A 20120215 | JP20090137553;WO2009JP68383; | HYOGO KEN;NITTA CORP; | B29C33/38; C08L33/06; B29C59/02; | MOLD FOR IMPRINTING, AND METHOD FOR MANUFACTURING SAME |
| CN102458800 A 20120516 | JP20090137553;WO2009JP68383; | HYOGO KEN;NITTA CORP; | B29C33/40; B29C59/02; H01L21/027; | MOLD FOR IMPRINTING, AND METHOD FOR MANUFACTURING SAME |

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| US2012141355 A1 20120607 | US19920887307;US19 940284742;US199504 64278;US2001078317 3;US20040776140;US 20070717226; | HYPERION CATALYSIS INT; | B01J31/28; B01J31/34; B01J35/06; B01J21/04; B01J23/88; D01F9/127; C01B31/02; B01J37/03; B01J23/881; B01J21/18; B01J31/04; B01J37/02; B01J21/10; B32B9/00; B01J35/10; | Methods and catalysts for the manufacture of carbon fibrils |
| US2012148941 A1 20120614 | KR20090077832;WO2 010KR05525; | HYUNDAI HYSCO; | B05D5/12; H01M2/16; | METAL SEPARATOR PLATE FOR FUEL CELL HAVING COATING FILM FORMED ONSURFACE AND METHOD FOR PRODUCING SAME |
| DE102011005392 A1 20120510 | KR20100110063; | HYUNDAI MOTOR CO LTD; | C09D11/00; | Halbleiter-Oxid-Tintenzusammensetzung zum Tintenstrahldrucken,Verfahren zum Herstellen derselben und Verfahren zum Herstellen eines photoelektrischen Umsetzungslememts verwendend dieselbe |
| US8178469 B1 20120515 | KR20100120937; | HYUNDAI MOTOR CO LTD; | B01J21/00; B01J29/00; B01J23/00; B01J37/00; B01J20/00; | HIGHLY EFFICIENT CATALYST USING PRECIOUS METAL |
| KR20120048436 A 20120515 | KR20100110063; | HYUNDAI MOTOR CO LTD; | H01B1/08; H01L21/60; C09D11/02; H01L31/00; | OXIDE SEMICONDUCTOR INK FOR INK-JET PRINTING AND MANUFACTURING METHODTHEREOF, MANUFACTURING METHOD OF PHOTOVOLTAICS USING THEREOF |

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| JP2012102308 A 20120531 | KR20100110063; | HYUNDAI MOTOR CO LTD; | C09D11/00; B41J2/01; H01M14/00; H01L31/04; | SEMICONDUCTOR-OXIDE-INK COMPOSITION FOR INK-JET PRINTING, METHOD FORMANUFACTURING THE SAME, AND METHOD FOR MANUFACTURING PHOTOELECTRIC CONVERSION ELEMENT UTILIZING THE SAME |
| CN102464913 A 20120523 | KR20100110063; | HYUNDAI MOTOR CO LTD; | B60J1/00; H01G9/20; C09D11/02; H01G9/042; B41J2/01; H01M14/00; H01L51/48; | Semiconductor oxide ink composition for inkjet printing, method ofmanufacturing the same, and method of manufacturing photoelectric conversion element using the same |
| US2012111409 A1 20120510 | KR20100110063; | HYUNDAI MOTOR CO LTD; | H01L31/0256; H01L51/46; H01B1/12; | SEMICONDUCTOR OXIDE INK COMPOSITION FOR INKJET PRINTING, METHOD OFMANUFACTURING THE SAME, AND METHOD OF MANUFACTURING PHOTOELECTRIC CONVERSION ELEMENT USING THE SAME |
| US2012135655 A1 20120531 | KR20100120081; | HYUNDAI MOTOR CO LTD; | B32B5/16; B32B27/04; B05D3/02; | THERMOPLASTIC COMPOSITE FOR STIFFENER AND METHOD FOR PREPARING SAME |
| US2012028790 A1 20120202 | KR20100074074; | HYUNDAI MOTOR CO LTD;INDUSTRY ACADEMIC COOPERATION FOUNDATION YOUNSEI UNIVERSITY; | B01J37/12; B01J37/02; B01J37/08; B01J31/16; | NON-PLATINUM OXYGEN REDUCTION CATALYSTS FOR POLYMER ELECTROLYTEMEMBRANE FUEL CELL AND METHOD FOR PREPARING THE SAME |
| US2012028169 A1 20120202 | KR20100073821; | HYUNDAI MOTOR CO LTD;KIA MOTORS CORP; | H01M4/92; B01J21/18; H01M4/88; | CATALYST FOR FUEL CELL AND METHOD FOR PREPARING THE SAME |
| US2012122018 A1 20120517 | KR20100114639; | HYUNDAI MOTOR CO LTD;KIA MOTORS CORP; | C23C16/503; H01M8/00; H01M8/04; C23C16/448; B05C11/00; C23C16/50; | FUEL CELL SEPARATOR AND METHOD FOR SURFACE TREATMENT OF THE SAME |

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| KR20120051487 A 20120522 | KR20100112947; | HYUNDAI MOTOR CO LTD; KIAMOTORS CORP; KOREA ADVANCED INST SCI & TECH; | B82B3/00; | MANUFACTURING METHOD OF CARBON NANOTUBE/METAL COMPOSITE MATERIAL |
| KR20120021422 A 20120309 | KR20100074074; | HYUNDAI MOTOR CO LTD; UNIV YONSEI IACF; | B01J37/02; H01M4/90; B01J23/75; B01J37/08; | NON-PLATINUM OXYGEN REDUCTION CATALYSTS FOR POLYMER ELECTROLYTE MEMBRANE FUEL CELL AND PREPARING METHOD THEREOF |
| WO2012036608 A1 20120322 | SE20100050966; | IAKIMOV TIHOMIR; SYVAEJAERVI MIKAEL; YAKIMOVA ROSITZA; | C01B31/04; B82Y30/00; B82B3/00; | PROCESS FOR GROWTH OF GRAPHENE |

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| US2012093697 A1 20120419 | JP20100230194; | IBIDEN CO LTD; | B32B38/10; B01D53/86; B05D3/00; B32B37/12; B05D5/00; B32B37/14; | HONEYCOMB CATALYST BODY AND METHOD FOR MANUFACTURING HONEYCOMBCATALYST BODY |
| TW201218285 A 20120501 | US20100831656; | IBM; | H01L21/50; H01L21/768; | A method to fabricate high performance carbon nanotube transistorintegrated circuits by three- dimensional integration technology |
| US2012037880 A1 20120216 | US20100856718; | IBM; | H01L21/336; H01L29/775; | Contacts for Nanowire Field Effect Transistors |
| TWI355710B B 20120101 | US20040707996; | IBM; | H01L21/311; H01L21/76; H01L29/40; H01L21/033; H01L21/302; H01L23/532; H01L23/522; H01L23/48; H01L21/768; H01L21/4763; | Device and methodology for reducing effective diel |
| TW201203390 A 20120116 | US20100776485; | IBM; | H01L21/336; H01L29/78; H01L21/306; | Directionally etched nanowire field effect transistors |
| US2012045865 A1 20120223 | US20100859426; | IBM; | H01L21/336; | Doped Graphene Films With Reduced Sheet Resistance |

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| US2012108024 A1 20120503 | US20090627057;US201213345252; | IBM; | H01L21/336; | FIELD EFFECT TRANSISTOR HAVING NANOSTRUCTURE CHANNEL |
| TW201209930 A 20120301 | US20100778526; | IBM; | H01L21/336; H01L29/78; | Generation of multiple diameter nanowire field effect transistors |
| US2012085991 A1 20120412 | US20100902620; | IBM; | H01L29/06; H01L21/336; | GRAPHENE NANORIBBONS, METHOD OF FABRICATION AND THEIR USE IN ELECTRONIC DEVICES |
| US2012018666 A1 20120126 | US20100842200; | IBM; | C09K5/14; B29C39/42; | METHOD AND SYSTEM FOR ALIGNMENT OF GRAPHITE NANOFIBERS FOR ENHANCED THERMAL INTERFACE MATERIAL PERFORMANCE |
| TW201214521 A 20120401 | US20100824288; | IBM; | H01L29/06; H01L21/20; H01L29/12; | Method of forming compound semiconductor |
| US2012152448 A1 20120621 | US20100974404; | IBM; | B32B37/24; | METHOD OF FORMING NANOSTRUCTURES |
| RU2010136662 A 20120320 | US20080026123; | IBM; | B82B1/00; B82B3/00; | METHOD TO FORM NANOSIZED PATTERN ON SUBSTRATE (VERSIONS) AND STRUCTURE WITH PATTERN COMPRISING NANOSIZED SELF-ASSEMBLED SELF-BUILT STRUCTURES |
| GB2485941 A 20120530 | US20090642018;WO2010EP68318; | IBM; | G03F7/00; | Methods of directed self-assembly and layered structures formed therefrom |
| US8124485 B1 20120228 | US201113032909; | IBM; | H01L21/00; | Molecular spacer layer for semiconductor oxide surface and high-K dielectric stack |
| US2012145650 A1 20120614 | US20100966370; | IBM; | B01D37/00; B01D35/30; B01D35/28; | NANO-FILTER AND METHOD OF FORMING SAME, AND METHOD OF FILTRATION |
| US2012138571 A1 20120607 | US20080026123; | IBM; | E04B2/00; | PATTERN FORMATION EMPLOYING SELF-ASSEMBLED MATERIAL |

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| EP2440976 A1 20120418 | US20090482500;WO2 010IB52618; | IBM; | G01Q80/00; C08G2/06; C08G2/14; G03F7/00; | PATTERNING NANO-SCALE PATTERNS ON A FILM COMPRISING UNZIPPING POLYMERCHAINS |
| US2012031553 A1 20120209 | JP20060258091;US20 070859557;US201113 276482; | IBM; | B23K31/02; B32B38/08; | THERMAL INTERFACE STRUCTURE AND THE MANUFACTURING METHOD THEREOF |
| US2012129357 A1 20120524 | US20080017598; | IBM; | H01L21/336; H01L21/8234; | TWO-DIMENSIONAL PATTERNING EMPLOYING SELF-ASSEMBLED MATERIAL |
| WO2012010395 A2 20120126 | US20100842200; | IBM;IBM UK;KUCZYNSKI JOSEPH;SINHA ARVIND KUMAR;SPLITTSTOESSE R KEVIN;TOFIL TIMOTHY; | H01L23/373; C01B31/02; C01B31/04; | ALIGNMENT OF GRAPHITE NANOFIBERS IN THERMAL INTERFACE MATERIAL |
| GB2484837 A 20120425 | US20090545161;WO2 010EP60719; | IBM;JSR CORP; | G03F7/027; | Stabilizers for vinyl ether resist formulations for imprint lithography |
| WO2012085715 A1 20120628 | EP20100196435; | IBM;KARG SIEGFRIED FRIEDRICH;MOSELUND KIRSTEN EMILIE; | H01L29/423; H01L29/10; B82Y10/00; B82Y40/00; H01L29/78; H01L29/775; H01L29/06; | NANOWIRE FIELD -EFFECT DEVICE WITH MULTIPLE GATES |
| US2012090057 A1 20120412 | US20100900123; | IBM;KING ABDULAZLZ CITY FOR SCIENCE AND TECHNOLOGY; | G01Q60/38; B82Y40/00; B82Y99/00; | PRODUCTION SCALE FABRICATION METHOD FOR HIGH RESOLUTION AFM TIPS |
| DE102010032174 A1 20120126 | DE201010032174; | IBU TEC ADVANCED MATERIALS AG; | C04B35/488; C04B35/80; C04B35/626; C04B35/119; | Producing rod-reinforced ceramic material useful e.g. for producing orcoating medical implants, comprises e.g. spraying zirconium, aluminum and cerium compound in pulsating or non-pulsating hot gas stream |
| US2012029127 A1 20120202 | TW20080151614;US2 0090423778;US20111 3271261; | ICHIA TECH INC; | C08K13/02; C09D167/00; C09D5/16; C09D133/00; C09D175/04; | COATING STRUCTURE, CHEMICAL COMPOSITION FOR FORMING THE SAME, ANDMETHOD OF FORMING THE SAME |

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| CN102481314 A 20120530 | IT2009MI01479;WO20 10IB53660; | ICS GREEN GROWING SRL; | A61K33/24; C01B31/08; A61K33/00; C01B31/02; A61K33/44; C01B31/00; | Process for preparing metal hydroxides, hydroxyl organometals and white carbon suitable for use in ayurvedic medicine |
| AU2010283463 A1 20120405 | IT2009MI01479;WO20 10IB53660; | ICS GREEN GROWING SRL; | C01B31/02; C01B31/08; A61K33/00; C01B31/00; A61K33/24; A61K33/44; | Process for preparing metal hydroxides, hydroxyl organometals and white carbon suitable for use in Ayurvedic medicine |
| EP2464360 A1 20120620 | IT2009MI01479;WO20 10IB53660; | ICS GREEN GROWING SRL; | A61K33/44; A61K33/24; C01B31/08; A61K33/00; C01B31/02; C01B31/00; | PROCESS FOR PREPARING METAL HYDROXIDES, HYDROXYL ORGANOMETALS AND WHITE CARBON SUITABLE FOR USE IN AYURVEDIC MEDICINE |
| CN102353696 A 20120215 | US20050693683P;US 20060744733P; | IDAHO RES FOUND;UNIV WASHINGTON; | G01N27/00; B82Y40/00; B82Y15/00; C23C16/06; G01N21/00; | Method for manufacture and coating of nanostructured components |
| AT542859T T 20120215 | JP20070181907;WO2 008JP62069; | IDEMITSU KOSAN CO; | C08L51/08; C08L69/00; C08K3/04; C08L27/18; | FEUERFESTE POLYCARBONATHARZZUSAMMENSETZUNG UND FORMARTIKEL DARAU |
| WO2012060213 A1 20120510 | JP20100245579; | IEMURA TAKESHI;MIYAZAWA HIROKAZU;SHOWA DENKO KK;TOMIKAWA SHINICHIRO; | B24D3/00; C04B35/10; | METHOD FOR PRODUCING ALUMINA SINTERED BODY, ALUMINA SINTERED BODY, ABRASIVE GRAINS, AND GRINDSTONE |
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| US2012149955 A1 20120614 | FR20100004878; | IFP ENERGIES NOUVELLES; | C07C5/11; B01J37/02; B01J23/00; B01J37/16; B01J35/02; B01J37/08; | NOVEL PROCESS FOR THE PREPARATION OF PALLADIUM-BASED CATALYSTS AND USE OF SAID CATALYSTS IN SELECTIVE HYDROGENATION |
| CN102307827 A 20120104 | JP20090027553;WO2 010JP51880; | IHI CORP; | F02B39/00; F01D5/28; C04B35/632; C04B35/599; B28B1/24; | Process for producing sintered sialon ceramic |

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| EP2458620 A2 20120530 | EP20100192982;EP20 110177483; | IHP GMBH; | H01L21/02; | Fabrication of graphene electronic devices using step surface contour |
| US2012132885 A1 20120531 | EP20100192982;EP20 110177483; | IHP GMBH;INNOVATIVE MIKROELEKTR; | H01L29/06; H01L21/20; | Fabrication of Graphene Electronic Devices Using Step Surface Contour |
| US2012032150 A1 20120209 | EP20100167703; | IHP GMBH;MIKROELEKTRO; | H01L21/20; H01L29/12; | Semiconductor component, method of producing a semiconductorcomponent, semiconductor device |
| WO2012063690 A1 20120518 | JP20100252657;JP20 110009508; | IKEMIZU DAI;ISHIGE OSAMU;KITA HIROSHI;KONICA MINOLTA HOLDINGS INC;TAKA HIDEO; | H01L51/50; C07F15/00; C07F7/18; C07F7/28; B82Y30/00; H01L27/32; G09F9/30; C09K11/06; | ORGANIC ELECTROLUMINESCENT ELEMENT, ILLUMINATION DEVICE, AND DISPLAYDEVICE |
| US2012049396 A1 20120301 | JP20100188663; | IKENAGA OSAMU;INANAMI RYOICHI;TSUTSUI TOMOHIRO; | B29C59/02; | PATTERN FORMING METHOD AND PATTERN FORMING DEVICE |
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| US2012094317 A1 20120419 | US20010345169P;US 20020322901;US2004 0584953P;US2005017 5729;US20050733277 P;US20060555544;US 201113280133; | IMEC; | G01N33/543; | Method and Apparatus for Detecting an Analyte |
| JP2012011374 A 20120119 | US20100359730P; | IMEC;KATHOLIEKE UNIV LEUVEN KU LEUVEN R & D; | B01J23/755; C01B31/02; H01L29/06; B01J37/02; B82Y40/00; | METHOD FOR FORMING CATALYST SUITABLE FOR GROWTH OF CARBON NANOTUBE |

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| EP2402082 A2 20120104 | US20100359730P; | IMEC;UNIV LEUVEN KATH; | B01J35/00; B01J23/74; C01B31/02; H01L21/70; | Method for forming a catalyst suitable for growth of carbon nanotubes |
| US2012057163 A1 20120308 | EP20080171127;US20 080121118P;US20080 141542P;US20111315 7154;WO2009EP6673 9; | IMEC;UNIV LEUVEN KATH; | G01N21/55; H01L31/18; H01L31/00; | METHOD FOR FORMING A NANOSTRUCTURE PENETRATING A LAYER |
| US2012115296 A1 20120510 | EP20070010947;US20 070906440P;US20080 044719;US201213353 607; | IMEC;UNIV LEUVEN KATH; | H01L21/336; | TUNNEL FIELD-EFFECT TRANSISTOR WITH GATED TUNNEL BARRIER |
| US2012064134 A1 20120315 | US20100371549P;US 201113204355; | IMMUNOLIGHT LLC; | A61Q1/08; G02B5/23; C09K11/60; C09K11/88; C09K11/54; F21V9/16; C09K11/59; A61Q1/10; F21V9/06; C09K11/64; C09D1/00; C09K11/55; C09K11/87; A61K8/02; A61K8/25; C09K11/84; C09D11/00; C09K11/77; A61K8/21; C09K11/80; A61K8/19; C09K11/82; A61K8/29; A61K8/24; A61Q5/00; A61K8/23; A61K8/26; C09K11/58; C09K11/85; A61Q17/04; C09K11/62; C09K11/81; C09K11/08; C09K11/78; H01J1/62; A61Q19/00; A61K8/20; | COLOR ENHANCEMENT UTILIZING UP CONVERTERS AND DOWN CONVERTERS |

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| TW201206824 A 20120216 | GB20100005991; | IMP INNOVATIONS LTD;UCL BUSINCES PLC; | C01B31/02; | Separation method |
| US2012148756 A1 20120614 | US20070754031;US20 100823584; | IMRA AMERICA INC; | C23C16/02; | METHOD OF PRODUCING COMPOUND NANORODS AND THIN FILMS |
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| US2012072003 A1 20120322 | JP20100212672; | INANAMI RYOICHI;MATSUOKA YASUO;MIMOTOGI AKIKO; | G06F19/00; | IMPRINTING METHOD, SEMICONDUCTOR INTEGRATED CIRCUIT MANUFACTURINGMETHOD AND DROP RECIPE CREATING METHOD |
| US2012050441 A1 20120301 | JP20100194231; | INANAMI RYOICHI;MIKAMI SHINJI; | B41J2/00; | IMPRINT RECIPE CREATING DEVICE AND IMPRINT DEVICE |
| CN102448880 A 20120509 | JP20090126492;JP20 100084371;WO2010J P58834; | INCUBATION ALLIANCE INC; | C01B31/02; H01M4/587; C01B31/04; H01M4/88; H01G9/058; H01M4/96; | Carbon material and method for producing the same |
| KR20120030046 A 20120327 | JP20090126492;JP20 100084371; | INCUBATION ALLIANCE INC; | C01B31/04; H01G9/058; C01B31/02; H01M4/88; | CARBON MATERIAL AND METHOD FOR PRODUCING THE SAME |
| EP2436648 A1 20120404 | JP20090126492;JP20 100084371;WO2010J P58834; | INCUBATION ALLIANCE INC; | C01B31/02; H01M4/96; C01B31/04; H01G9/058; H01M4/88; H01M4/587; | CARBON MATERIAL AND METHOD FOR PRODUCING THE SAME |
| TW201221218 A 20120601 | TW20100140505; | IND TECH RES INST; | B01J32/00; C08F4/02; C08L43/02; C08F292/00; C08L51/10; | A catalyst, its carrier and the C-C coupling reaction using thecatalyst |
| US2012156100 A1 20120621 | US20100972546; | IND TECH RES INST; | H01L21/77; G01N21/64; | APPARATUS FOR SINGLE MOLECULE DETECTION AND METHOD THEREOF |

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| TW201219520 A 20120516 | TW20100137590; | IND TECH RES INST; | C09J201/00; C09J5/06; C09J11/04; H05K7/20; | Bonding material, method, and structure |
| US2012107631 A1 20120503 | TW20100137590; | IND TECH RES INST; | B32B18/00; C08K3/22; B32B37/12; B32B15/20; B32B37/14; C08L1/00; B32B37/06; B32B15/04; | BONDING MATERIAL, METHOD, AND STRUCTURE |
| EP2468402 A1 20120627 | TW20100145161; | IND TECH RES INST; | B01J35/06; B01J31/06; B01J21/18; C07D317/12; | Carbon nanomaterial-supported catalyst and application thereof incyclic carbonate synthesis |
| US2012164531 A1 20120628 | TW20100145904; | IND TECH RES INST; | H01M4/13; H01M4/66; H01M4/38; H01B1/04; H01B1/12; | ENERGY STORAGE COMPOSITE PARTICLE, BATTERY NEGATIVE ELECTRODE MATERIAL AND BATTERY |
| US2012112219 A1 20120510 | US20100939800; | IND TECH RES INST; | C08J3/28; H01B1/14; H01L33/50; C08J3/20; C09K5/00; C08K5/205; C08K5/5425; F21V31/04; | Gradient Composite Material and Method of Manufacturing the Same |
| US2012125577 A1 20120524 | TW20100140576; | IND TECH RES INST; | F28F13/18; B05D3/10; | HEAT SINKING ELEMENT AND METHOD OF TREATING A HEAT SINKING ELEMENT |
| TW201212264 A 20120316 | TW20100130285; | IND TECH RES INST; | H01L31/18; | Method for fabricating electrode structures on substrate |
| US2012009353 A1 20120112 | TW20080103802; TW2 0080151822; US20090 362131; US201113234 344; | IND TECH RES INST; | B05D3/06; | METHOD FOR MANUFACTURING A SUBSTRATE WITH SURFACE STRUCTURE BY EMPLOYING PHOTOTHERMAL EFFECT |
| US2012055796 A1 20120308 | TW20100130285; | IND TECH RES INST; | C25D15/00; | METHOD OF FABRICATING ELECTRODE STRUCTURES ON SUBSTRATE |
| US2012164050 A1 20120628 | TW20100145159; | IND TECH RES INST; | C01B33/42; C01B33/40; | ORGANIC DISPERSION OF INORGANIC NANO- PLATELETS AND METHOD FOR FORMING THE SAME |
| US2012019122 A1 20120126 | US20100842020; | INDIAN INST TECHNOLOGY BOMBAY; | H01J9/02; H01J63/04; H01J1/62; | DEVICE HAVING ALIGNED CARBON NANOTUBE |

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| EP2428531 A1 20120314 | GB20100015027; | INEOS NORGE HOLDINGS AS; | C08J5/00; C08J3/205; B82Y30/00; C08K3/00; | Polyvinyl chloride nanocomposite and method of making the same |
| TW201217262 A 20120501 | TW20100136463; | INER AEC EXECUTIVE YUAN; | B01J23/42; B01J20/20; F17C5/00; C01B3/00; F17C7/00; C01B31/08; | Dynamic hydrogen-storage apparatus and the method thereof |
| US2012100065 A1 20120426 | TW20100136463; | INER AEC EXECUTIVE YUAN; | B01J19/00; B01J8/02; C01B3/02; | DYNAMIC HYDROGEN-STORAGE APPARATUS AND THE METHOD THEREOF |
| US2012107226 A1 20120503 | TW20100220842U; | INER AEC EXECUTIVE YUAN; | C01B3/02; B01J19/00; | GAS-ASSISTED HYDROGEN DESORPTION METHOD AND APPARATUS FOR HYDROGENSTORAGE MATERIAL |
| US2012069311 A1 20120322 | US20040901627;US20 090624263;US201006 92243;US2011133075 89; | INFINEON TECHNOLOGIES AG; | G03B27/42; G03F1/24; | Passivation of Multi-Layer Mirror for Extreme Ultraviolet Lithography |
| AU2010313807 A1 20120517 | RU20090139846;WO2 010RU00618; | INFRA TECHNOLOGIES LTD; | B01J21/18; C10G2/00; B01J23/46; B01J23/70; B01J37/08; | Catalyst for synthesis of hydrocarbons from CO and H2 and preparationmethod thereof |
| US2012024799 A1 20120202 | US20070763048;US20 070926851P;US20080 452967;WO2008US62 043; | INFRAMAT CORP; | C09K3/00; C02F1/68; | Nanostructured Compositions Having Reduced Dissolution of manganeseand methods of making and using the same |
| TWI359115B B 20120301 | US20050726924P; | INFRAMAT CORP;UNIV HOUSTON; | C02F1/28; C02F1/62; C02F1/72; | Water treatment compositions and methods of making |
| WO2012000500 A1 20120105 | DK20100000581; | INMOLD BIOSYSTEMS AS;PRANOV HENRIK; | B29C59/02; B29C33/38; B82Y40/00; | METHOD AND APPARATUS FOR PRODUCING A NANOSTRUCTURED OR SMOOTH POLYMERARTICLE |
| CN102515281 A 20120627 | CN20111384442; | INNER MONGOLIA NORMAL UNIVERSITY; | H01F41/00; B82Y40/00; C01G49/08; | Preparation method for Fe3O4 magnetic fluid and water-soluble Fe3O4powder |

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| CN102458607 A 20120516 | US20090424277;WO2 010US30885; | INNOVALIGHT INC; | B01D46/48; B01D46/24; | Methods and apparatus for the in situ collection of nucleated particles |
| KR20120030043 A 20120327 | US20090424277; | INNOVALIGHT INC; | B01D46/48; B01D46/24; B01D46/44; | METHODS AND APPARATUS FOR THE IN SITU COLLECTION OF NUCLEATED PARTICLES |
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| US2012058632 A1 20120308 | US20100360414P;US 201113172035; | INNOVALIGHT INC; | B82Y30/00; H01L21/20; | METHODS OF FORMING A METAL CONTACT ON A SILICON SUBSTRATE |
| EP2445321 A1 20120425 | EP20100187367; | INNOVATION & INFINITY GLOBAL CORP; | H05K3/10; G06F3/033; H05K3/02; G06F3/041; H05K3/00; H01L21/768; | Conductive circuits for a touch panel and the manufacturing methodthereof |
| US2012156458 A1 20120621 | US20100969835; | INNOVATION & INFINITY GLOBAL CORP; | B32B7/02; C23C16/40; B32B9/00; C23C14/34; | DIFFUSION BARRIER STRUCTURE, TRANSPARENT CONDUCTIVE STRUCTURE ANDMETHOD FOR MAKING THE SAME |
| US2012148823 A1 20120614 | US20100966138; | INNOVATION & INFINITY GLOBAL CORP; | C23C14/34; B32B5/02; | TRANSPARENT CONDUCTIVE STRUCTURE AND METHOD OF MAKING THE SAME |
| US2012145041 A1 20120614 | GB20090009999;GB2 0090010000;WO2010 GB01132; | INNOVATIVE CARBON LTD; | H05H1/24; C23C16/50; C08K3/04; | METHODS AND APPARATUS FOR PARTICLE PROCESSING |
| EP2440323 A1 20120418 | GB20090009999;GB2 0090010000;WO2010 GB01132; | INNOVATIVE CARBON LTD; | H01J9/02; B01J19/08; | METHODS AND APPARATUS FOR PARTICLE PROCESSING WITH PLASMA |
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| PT105339 A 20120416 | PT20100105339; | INNOVNANO MATERIAIS AVANÇADOS S A; | B82B3/00; B01J3/08; | PROCESSO DE S=NTESE DE NANOMATERIAIS A PARTIR DA PREPARAÃ O E DETONAÃ O DE UMA EMULS O, RESPECTIVOS PRODUTOS E EMULSIES UTILIZADAS |
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| KR20120045069 A 20120508 | JP20030310153; | INOEAKIHISA;NAMIKI PRECISION JEWEL CO LTD;SAOTOME YASUNORI; | B82Y30/00; C22C45/00; F16H55/06; B22D17/00; | PRECISION GEAR, ITS GEAR MECHANISM AND PRODUCTION METHOD OF PRECISIONGEAR |
| WO2012083400 A1 20120628 | BR2010PI09165; | INOVAMAT INOVACAO EM MATERIAIS LTDA EMPRESA BRASILEIRA;MOREIRATH ATIANA ANDRESSA;ROSSETTO HERBERT LUIS; | A61K6/06; B82Y40/00; E21D5/04; E04C3/00; C08K5/053; C04B24/02; | PROCESS OF IN SITU NUCLEATION AND GROWTH OF CALCIUM SILICATE-BASED NANOCRYSTALS IN CEMENT MATERIALS, CALCIUM SILICATE-BASED NANOCRYSTALS AND USES OF SAID CALCIUM SILICATE-BASED NANOCRYSTALS |
| GB2486303 A 20120613 | PL20100393196; | INST CHEMII FIZYCZNEJ POLSKIEJ AKADEMII NAUK; | B82Y30/00; H01M4/90; H01M8/16; H01M4/86; | Biocathode and zinc-oxygen cell including said biocathode |
| PL393196 A1 20120618 | PL20100393196; | INST CHEMII FIZYCZNEJ POLSKIEJ AKADEMII NAUK; | G01N27/00; H01M6/00; H01M4/36; H01M4/60; | Biocathode, method for producing the biocathode and zinc-oxygen cell comprising the biocathode |

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| GB2483158 A 20120229 | PL20100392221; | INST CHEMII FIZYCZNEJ POLSKIEJ AKADEMII NAUK; | C08J3/215; C08L1/02; | Method to prepare a carbon nanotubes incorporated cellulosenanocomposites and a carbon nanotubes incorporated cellulose nanocomposite |
| MD503Y Y 20120430 | MDS20110135; | INST DE CHIMIE AL ACADEMIEI DE STIINTE A MOLDOVEI;INST FIZICA APLICATA STIINTE; | C08L39/06; C07C49/92; B82Y30/00; C09K11/77; B82B3/00; C07C49/12; B82Y40/00; C07F5/00; C07C49/167; | Method for producing a luminiferous nanocomposite based on coordinative compound of terbium(III) and poly-N-vinylpyrrolidone |
| CN102502853 A 20120620 | CN20111426513; | INST ELECTRICAL ENG CAS; | B82Y40/00; C01G45/02; | Method for preparing nanometer manganese dioxide by microwave refluxmethod |
| EP2427687 A2 20120314 | DE200910020138;DE2 01010010108;WO201 0DE00537; | INST LUFT KAELTETECH GEM GMBH; | F17C3/04; F17C7/00; F17C3/08; | METHOD FOR STORING INDUSTRIAL GASES AND CORRESPONDING ACCUMULATOR |
| CN102320593 A 20120118 | CN20111253414; | INST METAL RES CHINESE ACAD SC; | C01B31/02; B82Y40/00; | Controllable preparation method of high-oxidation-resistancehigh-purity single/double-wall carbon nanotube |
| CN102320594 A 20120118 | CN20111258881; | INST METAL RES CHINESE ACAD SC; | B82Y40/00; C01B31/02; | Method for directly growing semiconductor type single-walled carbonnanotube with floating catalyst and auxiliary oxygen |
| CN102515268 A 20120627 | CN20111346097; | INST METAL RES CHINESE ACAD SC; | B82Y40/00; C01G23/053; | Preparation method of high-dispersion titanium dioxide nanopowder |
| CN202246841U U 20120530 | CN20111154713;CN2 0112231838U; | INST METAL RES CHINESE ACAD SC; | C23C14/14; B82Y40/00; C23C14/35; B82Y30/00; | Sputtering device for preparing nano silicon film by medium-frequencymagnetic control sputtering method |
| US2012027865 A1 20120202 | IN2009KO00779;WO2 009IN00639; | INST OF LIFE SCIENCES; | H01F1/37; B05D5/00; B05D3/10; C12N5/07; A61K9/14; | Water Dispersible Glyceryl Monooleate Magnetic Nanoparticle Formulation |

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| CN102352490 A 20120215 | CN20111286947; | INST OF MICROELECTRONICS CAS; | C23C16/44; C23C16/26; B82Y30/00; B82Y40/00; | Preparation method for nitrogen-doped carbon nanometer tube |
| CN102321876 A 20120118 | CN20111287073; | INST OF MICROELECTRONICS CAS; | C23C16/26; B82Y40/00; C23C16/44; C01B31/02; | Preparation method of carbon nanotube |
| US2012001229 A1 20120105 | CN20101223858;WO2 011CN00336; | INST OF MICROELECTRONICS CAS; | H01L29/788; H01L21/336; | Semiconductor Device and Method for Forming the Same |
| CN102368538 A 20120307 | CN20111276703; | INST OPTICS & ELECT CN ACAD; | B82Y30/00; H01L51/44; | Organic film solar battery capable of enhancing light absorption efficiency |
| CN102321541 A 20120118 | CN20111223482; | INST PROCESS ENG CAS; | C01G49/08; B82Y40/00; C12N1/12; B82Y30/00; | Botryococcus braunii magnetic separation method |
| CN102491380 A 20120613 | CN20111401717; | INST PROCESS ENG CAS; | C01F5/14; B82Y40/00; | Method for preparing flaky magnesium hydroxide |
| CN102367180 A 20120307 | CN20111063868; | INST PROCESS ENG CAS; | B82Y40/00; C01G23/053; | Method for preparing high-pore order degree nano mesoporous TiO ₂ material with low-priced industrial titanium source |
| CN102502788 A 20120620 | CN20111310032; | INST PROCESS ENG CAS; | C01G15/00; B82Y40/00; | Simple and controllable preparation method of copper-indium-sulfur ternary semiconductor nano granules |
| CN102502770 A 20120620 | CN20111322969; | INST PROCESS ENG CAS;JIANGSU HONGDA NEW MATERIAL CO LTD; | B82Y40/00; C01G3/02; B01J23/72; | Flower-like copper oxide catalyst and preparation method and application thereof |
| CN102351236 A 20120215 | CN20111185833; | INST SEMICONDUCTORS CAS; | B82Y40/00; H01L43/12; H01F1/40; B82Y30/00; C01G3/02; | Preparation method of Fe doped CuO diluted magnetic semiconductor material |
| SI23580 A 20120629 | SI20100000433; | INST STEFAN JOSEF; | B82Y30/00; B22F1/00; | METHOD FOR THE PREPARATION OF CARRIER COLLOIDAL POWDER WITH HIGHSPECIFIC SURFACE AREA |

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| SI23502 A 20120430 | SI20100000330; | INST STEFAN JOSEF; | B22F1/00; B82Y30/00; | METHOD FOR THE PREPARATION OF CARRIER COLLOIDAL POWDER WITH SPECIFIC SURFACE AREA |
| SI23583 A 20120629 | SI20100000434; | INST STEFAN JOSEF; UNIVERZA V LJUBLJANI; | C12G1/00; B82Y30/00; | PROCESS OF MAGNETIC PRECIPITATION OF YEAST BIOMASS FROM SPARKLING WINE |
| EP2441796 A1 20120418 | PL20100392419; | INST TECH MATERIAL ELEKT; | B82Y30/00; H01B1/22; C08K3/08; | Conductive nanosilver paste, especially for high current and high temperature applications |
| EP2447313 A1 20120502 | PL20100392419; PL20100393456; | INST TECH MATERIAL ELEKT; | H01B1/22; H01B1/02; B82Y30/00; C09D5/24; C08K3/08; | Method of silvering surfaces, especially aluminium surfaces |
| PL392419 A1 20120326 | PL20100392419; | INST TECHNOLOGII MATERIALOW ELEKTRONICZNYCH; | H01B1/20; | Nanosilver conductive paste, especially for high current and high temperature applications |
| US2012115189 A1 20120510 | US20070899630P; US20100845650; WO2008US53099; | INTEGENX INC; | C12P19/34; B01L3/00; C12M1/00; | MICROFLUIDIC AND NANOFUIDIC DEVICES, SYSTEMS, AND APPLICATIONS |
| US2012121923 A1 20120517 | US20040013456; US20050297805; US20070984912; US20090575542; US20100889567; US201113025487; US201213358885; | INTEGRAN TECHNOLOGIES INC; | B32B15/04; B32B15/20; B32B9/04; B32B15/01; B32B1/08; B32B17/02; B32B5/16; A63B53/10; B32B7/02; A63B53/04; B32B15/18; | FINE-GRAINED METALLIC COATINGS HAVING THE COEFFICIENT OF THERMAL EXPANSION MATCHED TO ONE OF THE SUBSTRATE |
| AT553380T T 20120415 | US20030749529; WO2004US43363; | INTEL CORP; | G01N29/34; G01N33/543; G01N29/036; G01N29/02; | BIOSENSOR BASIEREND AUF EINEM RESONATOR MIT EINER FUNKTIONALISIERTEN OBERFLÄCHE |
| AT539379T T 20120115 | US20010823641; WO2002US04914; | INTEL CORP; | G03F1/14; B82Y10/00; G03F1/08; | EXTREM-ULTRAVIOLETT-MASKE MIT VERBESSERTEM ABSORBIERER |
| US2012070930 A1 20120322 | US20050144679; US201113242127; | INTEL CORP; | H01L21/00; | METHOD AND APPARATUS TO FABRICATE POLYMER ARRAYS ON PATTERNED WAFERS USING ELECTROCHEMICAL SYNTHESIS |
| TW201204627 A | US20100776327; | INTEL CORP; | B82Y40/00; B82B3/00; | Patterned nanowires |

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| US2012046757 A1 20120223 | US20060819200P;US 20070825791;US2011 13285913; | INTEZYNE TECHNOLOGIES; | C07F9/38; A61F2/82; C08G65/34; C08G65/28; | COVALENT MODIFICATION OF METAL SURFACES |
| US2012003392 A1 20120105 | GB20080023561;GB2 0090013437;WO2009 GB02971; | INTRINSIQ MATERIALS LTD; | C23C16/50; H05H1/26; | FINE PARTICLES |
| US2012100699 A1 20120426 | US20050641766P;US 20050710944P;US200 60327655;US2006050 9318;US20100780026; US201113242397; | INVISAGE TECHNOLOGIES INC; | G11C11/00; | METHODS OF MAKING QUANTUM DOT FILMS |
| US2012145884 A1 20120614 | US20050641766P;US 20050710944P;US200 60327655;US2006051 0510;US20100852328; US201113323387; | INVISAGE TECHNOLOGIES INC; | G11C11/00; | QUANTUM DOT OPTICAL DEVICES WITH ENHANCED GAIN AND SENSITIVITY AND METHODS OF MAKING SAME |
| EP2406268 A2 20120118 | US20090159825P;WO 2010US27008; | INVISTA TECH SARL; | C08K5/5419; D06M15/19; C09C1/28; C07F7/18; C08J3/02; | AQUEOUS SILSESQUIOXANE DISPERSIONS HAVING LOW CONCENTRATIONS OFREACTION BYPRODUCTS |
| CN102387985 A 20120321 | US20090149160P;WO 2010US22811; | INVISTA TECH SARL; | B82B3/00; | Compositions of surface modified nanoparticles |
| US2012138525 A1 20120607 | KR20100121141; | IOREX CO LTD; | B01D39/20; C02F1/00; B01D35/00; | IONIZATION WATER TREATMENT APPARATUS USING CARBON NANOTUBE |
| US2012135058 A1 20120531 | GB20060013925;US2 0090309306;US20121 3365830;WO2007EP5 6560; | IOTA NANOSOLUTIONS LTD; | A01P3/00; C08L39/06; A01N25/10; A61Q5/00; A61K8/81; C09B67/38; | NANODISPERSIONS |
| CN102344128 A 20120208 | CN20111203413; | IRICO GROUP CORP; | B82Y40/00; C01B25/45; | Method for preparing lithium iron phosphate from ferric phosphate as iron source in air atmosphere |

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| CN102303857 A 20120104 | CN20111201227; | IRICO GROUP CORP; | C01B25/45; B82Y40/00; H01M4/58; | Preparation method of nano iron phosphate with globulomer structure for lithium iron phosphate |
| CN102303858 A 20120104 | CN20111203415; | IRICO GROUP CORP; | C01B25/45; H01M4/58; B82Y40/00; | Preparation method of nanoscale ferric phosphate for lithium iron phosphate |
| CN102515131 A 20120627 | CN20111455520; | IRICO GROUP CORP; | B82Y40/00; C01B25/45; | Process of using ferrous oxalate as iron source to prepare lithium iron phosphate in air atmosphere |
| US2012097238 A1 20120426 | US20100406166P;US 201113281336; | ISAACS-SODEYE AKINBODE I; | H01L31/18; H01L31/0224; H01L51/46; H01L31/0232; | GRAPHENE-BASED SOLAR CELL |
| US8163386 B1 20120424 | JP19970254266;JP19 970254267;JP199702 54268;JP1997036490 8;JP19970364909;JP1 9980030541;JP19980 030542;WO1998JP03 918; | ISHIHARA SANGYO KAISHA;JAPAN AS REPRESENTED BY THE HEAD OF NATINST FOR RES IN INORGANIC MATERIALS SCIENCE & TECHNOLOGY AGE; | C09C1/36; B05D1/02; A61Q17/04; C01G99/00; C01G23/04; C09C1/00; C01G23/00; A61K8/11; B32B5/16; A61K8/29; C01G23/047; G01F1/66; | Fine hollow powder thin flaky titanium oxide powder obtained by pulverization of the fine hollow powder and processes for producing the same |
| US2012013047 A1 20120119 | JP20090208727;WO2 010JP05037; | ISHIKAWA KAZUNORI;KUROKAWA TAKAHIRO;MITSUSHIMA TAKATOSHI;MIYATA MASANOBU;SUMIDA HIROTO; | D01D5/12; | NANOFIBER MANUFACTURING APPARATUS AND METHOD OF MANUFACTURING NANOFIBERS |
| US2012098150 A1 20120426 | JP20090150618;WO2 010JP04116; | ISHIKAWA KAZUNORI;KUROKAWA TAKAHIRO;SUMIDA HIROTO;YOKOYAMA MASAHIDE; | D04H1/728; B29B9/06; | NANOFIBER MANUFACTURING APPARATUS AND NANOFIBER MANUFACTURING METHOD |
| US2012070355 A1 20120322 | GB20090003600;WO2 010GB50373; | ISIS INNOVATION; | C01B31/00; C01B31/02; B01J19/08; B65B1/04; | Methods and Apparatus for the Production of Carbon-Containing Materials |

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| US2012164199 A1 20120628 | US20020376804P;US 20050513174;US2008 0180791;WO2003US1 3713; | ISOTRON CORP; | A62D3/30; C02F1/42; A01P1/00; C07F5/06; A62D3/36; A61K47/48; A62D3/00; A01N25/34; A01N55/02; | CHEMICALLY AND/OR BIOLOGICALLY REACTIVE COMPOUNDS |
| BRPI0713496 A2 20120124 | AT20060001059;WO2 007AT00295; | ISOVOLTA; | C30B7/00; H01L51/42; | processo para a produção de camadas fotoativas, assim como de componentes que compreendam essas camadas |
| US2012129322 A1 20120524 | AT20090000847;WO2 010AT00184; | ISOVOLTAIC AG; | H01B1/00; H01L21/20; H01B1/12; | COMPOSITE MATERIAL COMPRISING NANOPARTICLES AND PRODUCTION OF PHOTOACTIVE LAYERS CONTAINING QUATERNARY, PENTANARY AND HIGHER-ORDER COMPOSITE SEMICONDUCTOR NANOPARTICLES |
| JP2012020583 A 20120202 | DE200410011567; | IST IONENSTRAHLTECHNOL OGIE GMBH; | H05K3/38; B32B7/04; B32B15/08; C23C14/22; B82Y30/00; B32B5/14; B82Y40/00; | BOND COMPLEX BODY AND METHOD OF PRODUCING THE SAME |
| KR20120061418 A 20120613 | KR20100122733; | ISTVAN RUDYARD LYLE;LIPKA STEPHEN M;SWARTZ CHRISTOPHER RAY; | C03B37/005; C04B35/63; C04B35/64; | A NANO GLASS POWDER FOR SINTERING ADDITIVE AND A FABRICATING METHOD THEREOF |
| US2012007027 A1 20120112 | US20080080021P;WO 2009US50084; | ISTVAN RUDYARD LYLE;LIPKA STEPHEN M;SWARTZ CHRISTOPHER RAY; | C01B31/08; B01J21/18; B05D1/12; C01B31/10; H01B1/04; | ACTIVATED CARBON BLACKS |
| WO2012056121 A1 20120503 | FR20100004175; | ITHURRIA SANDRINE;MAHLER BENOIT;SOLARWELL; | C30B29/48; C30B29/64; C30B7/08; | PROCESS FOR MANUFACTURING COLLOIDAL NANOSHEETS BY LATERAL GROWTH OF NANOCRYSTALS |

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| KR20120066349 A 20120622 | KR20100127642; | IUCF HYU; | B82B3/00; B82B1/00; | CARBON/SILICON NANO-PARTICLE COMPLEX AND METHOD FOR PREPARING SAME |
| US2012097231 A1 20120426 | KR20090056908;WO2 009KR05916; | IUCF HYU; | H01L31/18; H01L31/0352; | SOLAR CELL AND MANUFACTURING METHOD THEREOF |
| DE112004002199 B4 20120308 | KR20030082777;WO2 004KR01363; | IUCF HYU; | G03F7/20; G03F1/24; H01L21/027; G03F1/14; | Verfahren zur Herstellung einer Extrem-Ultraviolettstrahlungreflektierenden Maske unter Verwendung von Rasterkraftmikroskop-Lithographie |
| US2012082877 A1 20120405 | KR20100095965; | IUCF HYU;SAMSUNG ELECTRONICS CO LTD; | B05D5/12; H01M4/505; H01M4/54; H01M4/485; H01M4/00; H01M4/525; H01M4/62; H01M4/64; | CATHODE, METHOD OF PREPARING THE SAME, AND LITHIUM BATTERY INCLUDINGTHE CATHODE |
| US2012114946 A1 20120510 | WO2009RU00364; | IUDOVICH MIKHAIL;PONOMAREV ANDREY; | C01B31/00; | MULTI-LAYERED CARBON NANOPARTICLES OF THE FULLEROID TYPE |
| US2012064449 A1 20120315 | JP20090088150;WO2 010JP55714; | IWAI RYO;KAMIGAKI MAMORU;SHIMO NOBUYA;UCHIDA NAOKI; | B32B5/16; G03G9/083; C01G49/02; | BLACK MAGNETIC IRON OXIDE PARTICLES |
| US2012141738 A1 20120607 | JP20080033455;WO2 009JP00039; | IYOSHI SHUSO;MIYAKE HIROTO; | B32B3/30; C08L33/08; B29C59/00; | CURABLE RESIN COMPOSITION FOR NANOIMPRINT |
| US2012021180 A1 20120126 | JP20090071168;WO2 010JP54427; | IYOSHI SHUSO;MIYAKE HIROTO;YUKAWA TAKAO; | C08F120/10; C08F20/68; C08F12/08; C08F26/10; C08L33/10; B44C1/22; C08F32/08; B29C35/08; C08L25/04; C08F16/14; C08L29/10; B29C59/02; B32B3/30; | CURABLE COMPOSITION FOR NANOIMPRINTING AND CURED PRODUCT |

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| US2012043457 A1 20120223 | US20020421464P;US 20030692632;US2007 0653107;US20111328 4634; | JAGER REMCO;KRUIT PIETER;VAN T SPIJKER JOHANNES CHRISTIAN;WIELAND JAN-JACO MARCO; | G03F7/20; H01J3/14; H01J3/26; G01J1/04; H01J37/317; | OPTICAL SWITCHING IN A LITHOGRAPHY SYSTEM |
| WO2012055938 A1 20120503 | US20100406675P;US 201161477228P;US20 1161479263P; | JAGER REMCO;MAPPER LITHOGRAPHY IP BV;STEENBRINK STIJN WILLEM HERMAN KAREL;VAN DEPEUT TEUNIS;VAN VEEN ALEXANDER HENDRIK VINCENT;WIELAND MARCO JAN-JACO; | H01J37/317; H01J37/22; H01J37/04; | MODULATION DEVICE AND CHARGED PARTICLE MULTI-BEAMLET LITHOGRAPHYSYSTEM USING THE SAME |
| SE1050866 A1 20120225 | SE20100050866; | JANGBARWALA JUZER; | B82Y30/00; B82Y5/00; B82B1/00; B82Y40/00; A61L27/50; | En metod f-r att preparera en plan yta med en kontrollerad töthetsgradient av deponerade partiklar i nanostorlek |
| US2012077664 A1 20120329 | US20070893829; | JANGBARWALA JUZER; | B32B27/12; B01J23/00; B32B18/00; B32B17/12; B01J21/18; B32B15/00; B32B5/26; D03D15/00; B32B33/00; B32B27/04; B32B15/14; D04H11/00; D03D19/00; D03D27/00; B32B3/26; B32B3/02; B32B5/16; B32B9/00; D03D9/00; D05C17/00; D04H1/00; | Fibrous composite catalytic structures and their use in chemical reactors |

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| CN102458727 A 20120516 | JP20090106171;WO2 010JP02962; | JAPAN SCIENCE & TECH AGENCY; | C22C5/04; B22F1/00; C22C5/06; B22F9/24; | Fine solid solution alloy particles and method for producing same |
| US2012094140 A1 20120419 | JP20090106171;WO2 010JP02962; | JAPAN SCIENCE & TECH AGENCY; | C22C5/02; B22F9/16; C22C5/04; C22C5/06; | FINE SOLID SOLUTION ALLOY PARTICLES AND METHOD FOR PRODUCING SAME |
| EP2422904 A1 20120229 | JP20090106171;WO2 010JP02962; | JAPAN SCIENCE & TECH AGENCY; | B22F1/00; C22C5/06; B22F9/24; C22C5/04; | FINE SOLID SOLUTION ALLOY PARTICLES AND METHOD FOR PRODUCING SAME |
| CN102438944 A 20120502 | JP20090080307;WO2 010JP54602; | JAPAN SCIENCE & TECH AGENCY; | C01B31/04; | Method for producing graphene film, method for manufacturing electronic element, and method for transferring graphene film to substrate |
| EP2412670 A1 20120201 | JP20090080307;WO2 010JP54602; | JAPAN SCIENCE & TECH AGENCY; | C01B31/04; | METHOD FOR PRODUCING GRAPHENE FILM, METHOD FOR MANUFACTURING ELECTRONIC ELEMENT, AND METHOD FOR TRANSFERRING GRAPHENE FILM TO SUBSTRATE |
| KR20120038918 A 20120424 | JP20090095500; | JAPAN SCIENCE & TECH AGENCY; | C01B33/02; H01L21/208; B29C59/02; | PATTERN FORMATION METHOD, PATTERN, AND DEVICE |
| US2012064302 A1 20120315 | JP20090095500;WO2 010JP56795; | JAPAN SCIENCE & TECH AGENCY; | B32B3/30; B05D3/12; | PATTERNING METHOD |
| US2012101041 A1 20120426 | JP20090156670;WO2 010JP04267; | JAPAN SCIENCE & TECH AGENCY; | C08K3/34; A61K8/86; A61K38/42; A23L1/05; A61K47/34; C08G65/333; A61K38/38; A61K38/02; C08L71/02; | POLYIONIC DENDRIMER AND HYDROGEL COMPRISING SAME |
| US2012053358 A1 20120301 | JP20090060193;WO2 010JP54137; | JAPAN SCIENCE & TECH AGENCY; | C07F7/08; | PROCESS FOR PRODUCING FUNCTIONALIZED CARBON NANOTUBES |
| CN102348635 A 20120208 | JP20090060193;WO2 010JP54137; | JAPAN SCIENCE & TECH AGENCY; | C01B31/02; | Process for producing organically modified carbon nanotube |
| EP2407424 A1 20120118 | JP20090060193;WO2 010JP54137; | JAPAN SCIENCE & TECH AGENCY; | C01B31/02; | PROCESS FOR PRODUCING ORGANICALLY MODIFIED CARBON NANOTUBE |

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| CN102388435 A 20120321 | JP20090095500;WO2 010JP56795; | JAPANESE ORGANIZATION JAPAN SCIENCE AND TECHNOLOGY AGENCY; | C01B33/027; H01L21/208; B29C59/02; C01B33/02; | Pattern formation method, pattern, and device |
| US2012031767 A1 20120209 | US20090549186;US20 1113273757; | JAYARAMAN SHRISUDERSAN; | C25D15/00; | ZINC OXIDE AND COBALT OXIDE NANOSTRUCTURES AND METHODS OF MAKINGTHEREOF |
| WO2012015472 A1 20120202 | US20100400320P;US 201113136216; | JEFFERSON SCIENCEASS LLC;NASA;NAT INST OF AEROSPACE ASSOCIATES; | B32B27/00; | HIGH KINETIC ENERGY PENETRATOR SHIELDING MATERIALS FABRICATED WITHBORON NITRIDE NANOTUBES |
| US2012061593 A1 20120315 | JP20100204193; | JEOL LTD; | G21K5/10; | Charged-Particle Beam Lithographic Apparatus and Lithographic MethodTherefor |
| JP2012060054 A 20120322 | JP20100204193; | JEOL LTD; | H01L21/027; | LITHOGRAPHY METHOD OF CHARGED PARTICLE BEAM LITHOGRAPHY DEVICE ANDCHARGED PARTICLE BEAM LITHOGRAPHY DEVICE |
| WO2012080404 A1 20120621 | FR20100060618; | JEOL STEPHANE;RHODIA OPERATIONS; | B82Y40/00; C08G81/02; | POLYAMIDE-POLYOLEFIN COPOLYMER |
| US2012025414 A1 20120202 | US20080083410;US20 1113269433; | JEON TAE-JOON;MALMSTADT NOAH;POULOSJASON;SC HMIDT JACOB J; | B29D7/01; B29C31/10; | FORMATION AND ENCAPSULATION OF MOLECULAR BILAYER AND MONOLAYERMEMBRANES |
| US2012122022 A1 20120517 | KR20090022311;US20 100723991;US201213 356690; | JEONG YUNSONG;KIM NI-EUN; | G01N21/88; B05D5/06; G03F1/24; | REFLECTIVE PHOTOMASK AND METHOD OF FABRICATING THE SAME |

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| WO2012026624 A1 20120301 | JP20100189962; | JFE STEEL CORP;NAGOSHI MASAYASU;SATO KAORU;WATANABESEIIC HI;YOSHIDA SOUKI; | B82Y40/00; B82Y30/00; C23C26/00; B01J19/08; | METHOD FOR PRODUCING ELECTRICALLY-CONDUCTING MATERIAL WITH MODIFIED SURFACE |
| US2012132108 A1 20120531 | JP20090185285;WO2 010JP62490; | JGC CATALYSTS & CHEMICALS LTD; | C09D1/00; C08K3/36; C09D7/12; | Dispersion Liquid of Core-Shell Type Composite Oxide Fine Particles, Process for Producing the Dispersion Liquid, and Coating Composition Containing the Fine Particles |
| JP2012056816 A 20120322 | JP20100203323; | JGC CATALYSTS & CHEMICALS LTD; | C09D5/00; C09D183/00; C01B33/12; C01G23/00; C09D7/12; | DISPERSION LIQUID OF FINE PARTICLE OF CORE-SHELL TYPE INORGANIC OXIDE, METHOD FOR PRODUCING THE DISPERSION LIQUID, AND COATING COMPOSITION CONTAINING THE DISPERSION LIQUID |
| EP2428491 A1 20120314 | JP20100203323; | JGC CATALYSTS & CHEMICALS LTD; | C01G23/047; C01G23/00; C09C1/36; C01G23/053; C01G25/00; | Dispersion liquid of fine particles of core-shell type inorganic oxide, method for producing the dispersion liquid, and coating composition containing the dispersion liquid |
| CN102433041 A 20120502 | JP20100203323; | JGC CATALYSTS & CHEMICALS LTD; | C09C1/36; C09D175/04; C09D7/12; C09C3/06; C09D183/04; | Dispersion liquid of fine particles of core-shell type inorganic oxide, method for producing the dispersion liquid, and coating composition containing the dispersion liquid |
| US2012065312 A1 20120315 | JP20100203323; | JGC CATALYSTS & CHEMICALS LTD; | C08L83/06; C08K9/02; C08L83/07; B01F3/12; | Dispersion Liquid of Fine Particles of Core-Shell Type Inorganic Oxide, Method for Producing the Dispersion Liquid, and Coating Composition Containing the Dispersion Liquid |

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| KR20120026985 A 20120320 | JP20100203323; | JGC CATALYSTS & CHEMICALS LTD; | C09D201/00; C09D7/12; G02B3/00; | DISPERSION LIQUID OF FINE PARTICLES OF CORE-SHELL TYPE INORGANICOXIDE, METHOD FOR PRODUCING THE DISPERSION LIQUID, AND COATING COMPOSITION CONTAINING THE DISPERSION LIQUID |
| CN102471060 A 20120523 | JP20090185285;WO2 010JP62490; | JGC CATALYSTS & CHEMICALS LTD; | C09D7/12; C01G25/02; C01G23/053; C01G19/02; C09C3/06; C09D201/00; C09C1/00; C01B13/14; | Liquid dispersion of fine core/shell complex oxide particles, methodfor producing liquid dispersion, and coating composition containing fine particles |
| EP2463231 A1 20120613 | JP20090185285;WO2 010JP62490; | JGC CATALYSTS & CHEMICALS LTD; | C01G19/02; C01G25/02; C09D7/12; C09C3/06; C09C1/00; C09D201/00; C01G23/053; C01B13/14; | LIQUID DISPERSION OF FINE CORE/SHELL COMPLEX OXIDE PARTICLES, METHODFOR PRODUCING THE LIQUID DISPERSION, AND COATING COMPOSITION CONTAINING THE FINE PARTICLES |
| US2012097886 A1 20120426 | US20100909547; | JHA NEETU;RAMAPRABHU SUNDARA; | C07F1/10; C07F15/00; C07F1/12; C09K5/00; | NANOCOMPOSITES INCLUDING CARBON NANOTUBES HAVING METAL NANOPARTICLES |
| WO2012009448 A2 20120119 | US20100363945P; | JI ZHAOXIA;LI ZONGXI;LIONG MONTY;MENG HUAN;NEL ANDRE E;UNIV CALIFORNIA;XIA TIAN;ZINK JEFFREY I; | B82Y40/00; A61K47/30; B82B1/00; B82B3/00; | CATIONIC POLYMER COATED MESOPOROUS SILICA NANOPARTICLES AND USES THEREOF |
| US2012119143 A1 20120517 | US20080027121P;US 20090866533;WO200 9US33530; | JIA GEORGE D;JIA WEIYI;LEWIS LINDA;WANG XIAOJUN;YEN LAUREL C;YEN WILLIAM; | B02C11/08; C09K11/80; F23B90/00; | PHOSPHORESCENT COMPOSITIONS, METHODS OF MAKING THE COMPOSITIONS, ANDMETHODS OF USING THE COMPOSITIONS |
| CN102522546 A 20120627 | CN20111443969; | JIANGSU CECT CHANGXUN ENERGY MATERIAL CO LTD; | H01M4/58; B82Y30/00; B82Y40/00; | Method for preparing lithium iron phosphate serving as cathodematerial of nano-level lithium ion battery |

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| CN102398908 A 20120404 | CN20101287919; | JIANGSU KAIDA QUARTZ CO LTD; | B82Y40/00; C01B33/12; | Method for eliminating agglomeration produced in preparation of high-purity spherical nanometer amorphous silicon micropowder |
| CN102442659 A 20120509 | CN20111309123; | JIANGXI UNIVERSITY OF SCIENCE AND TECHONOLOGY; | C01B31/02; B82Y40/00; | Method for nondestructive dispersion of double-walled carbon nanotube by combination of N, N-dimethylformamide and ethylene glycol |
| CN102515558 A 20120627 | CN20111370912; | JIANGXI UNIVERSITY OF SCIENCE AND TECHONOLOGY; | C03C17/22; C01B31/02; B82Y40/00; | Method for preparing transparent conductive carbon nano tube film with combination method |
| WO2012053655 A1 20120426 | JP20100235418; | JIN REN-HUA;KAWAMURA INST CHEM RES;YUAN JIAN-JUN; | B82Y30/00; B32B27/00; C08L79/02; B82Y40/00; C08K5/5415; | STRUCTURE COATED WITH POLYSILOXANE-CONTAINING NANO STRUCTURE COMPLEX, AND PROCESS FOR PRODUCTION THEREOF |
| CN102320644 A 20120118 | CN20111235605; | JINCHUAN GROUP LTD; | B82Y40/00; C01G3/02; | Method for preparing copper-oxide powder |
| US2012010327 A1 20120112 | US20090164986P;US 201013201288;WO20 10US27452; | JING NAIYONG;LEGATT MICHELLE L;RIDDLE JUSTIN A;YORKGITISELAINE M;ZHANG YIFAN; | C08K7/18; | COATING COMPOSITION AND METHOD OF MAKING AND USING THE SAME |
| CN102491420 A 20120613 | CN20111408036; | JINGDEZHEN CERAMIC INST; | B82Y40/00; C01G33/00; | Preparation method of flaky niobium pentoxide powder |
| WO2012038455 A1 20120329 | SE20100050988;US20 100385693P; | JOHANSSON EMMA;NANOLITH SVERIGE AB;ODEN MAGNUS; | C01B33/187; | MANUFACTURE OF CRYSTALLITE PARTICLES |
| WO2012038457 A1 20120329 | SE20100050988;US20 100385693P; | JOHANSSON EMMA;NANOLITH SVERIGE AB;ODEN MAGNUS; | C01B33/187; B32B3/18; B82Y5/00; | MANUFACTURE OF STRUCTURES COMPRISING SILICON DIOXIDE ON A SURFACE |
| WO2012021677 A2 20120216 | US20100372589P; | JOHNSON ALAN T;LUO ZHENG TANG;UNIV PENNSYLVANIA; | C01B31/00; | LARGE-SCALE GRAPHENE SHEET: ARTICLES, COMPOSITIONS, METHODS AND DEVICES INCORPORATING SAME |

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| US2012071571 A1 20120322 | GB20080019847;WO2 009GB51288; | JOHNSON MATTHEY PLC; | B01J37/18; B01J21/04; C07C1/04; B01J37/16; B01J31/28; | COBALT CATALYSTS |
| DK1963010T T3 20120109 | GB20050025887;GB2 0060011464;WO2006 GB04277; | JOHNSON MATTHEY PLC; | B01J37/12; C01G49/02; C01G3/08; C01G51/04; C01G1/02; B01J37/08; B01J23/70; C07C1/04; C01G3/02; C01G53/04; | Fremgangsmåde til omdannelse af metalnitrater |
| GB2486317 A 20120613 | GB20100020501; | JOHNSON MATTHEY PLC; | B01J21/08; B01J21/18; B01J21/04; B01J21/14; B01J23/10; B01J21/12; B01J21/06; | Method of dehydrogenating a hydrocarbon |
| US2012141872 A1 20120607 | KR20100121531; | JOO KYU-NAM;KIM DEOK- HYUN;KIM JAE- MYUNG;KIM TAE-SIK; | H01M4/1395; H01M4/134; | Rechargeable lithium battery including negative active material |
| TW201202007 A 20120116 | JP20100084495; | JSR CORP; | C08F2/44; C08F20/22; C08F12/20; B29C59/02; H01L21/027; | Curable composition for nanoimprint, semiconductor element, and nanoimprint method |
| KR20120039719 A 20120425 | JP20090188683; | JSR CORP; | H01L21/027; | PATTERN FORMING METHOD |
| US2012129352 A1 20120524 | JP20090016885;WO2 010JP50354; | JSR CORP; | H01L21/308; C08G77/18; C08G77/20; C08G77/04; | SILICON-CONTAINING FILM, RESIN COMPOSITION, AND PATTERN FORMATION METHOD |
| US2012018054 A1 20120126 | KR20090019174;WO2 010KR01436; | JUNG WOO-SANG;KIM DEONG- RYUNG;KIMDONG- IK;LEE DONG-HEE;LEE SEUNG- CHEOL;LEE YOUNG- SU;PARK DAE-BUM;SHIM JAE-HYEOK; | C22C38/58; C22C38/48; C21D11/00; C22C38/46; C21D6/02; C22C38/52; C22C38/42; | STAINLESS STEEL MATERIAL HAVING OUTSTANDING HIGH-TEMPERATURE STRENGTH, AND A PRODUCTION METHOD THEREFOR |

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| US2012009496 A1 20120112 | JP20080323513;WO2 009JP70648; | JX NIPPON MINING & METALS CORP; | H01M8/04; H01M2/16; H01M8/24; B05D5/12; | FUEL CELL SEPARATOR MATERIAL, FUEL CELL SEPARATOR USING SAME, FUELCELL STACK, AND METHOD FOR PRODUCING FUEL CELL SEPARATOR MATERIAL |
| EP2407446 A1 20120118 | JP20090059615;WO2 010JP53455; | JX NIPPON OIL & ENERGY CORP;UNIV TOKYO; | C07C45/39; C07C49/10; B01J31/06; C07B61/00; | METHOD FOR PRODUCING CARBONYL COMPOUND, CATALYST, AND METHOD FOR PRODUCING CATALYST |
| CN102348670 A 20120208 | JP20090059615;WO2 010JP53455; | JX NIPPON OIL & ENERGY CORP;UNIV TOKYO; | C07C49/10; C07C45/39; B01J31/06; C07B61/00; | Method for producing carbonyl compound, catalyst, and method forproducing catalyst |
| US2012029241 A1 20120202 | JP20090059615;WO2 010JP53455; | JX NIPPON OIL & ENERGY CORP;UNIV TOKYO; | B01J31/06; C07C45/39; | METHOD FOR PRODUCING CARBONYL COMPOUND, CATALYST, AND METHOD FORPRODUCING CATALYST |
| DE102010056030 A1 20120628 | DE201010056030; | K & S AG; | C08K3/26; C01F5/24; C01F7/00; C08L27/08; | Verfahren zur Herstellung von nanoskaligen, primör gecoatetenHydrotalcit und Hydrotalcit |
| US2012107188 A1 20120503 | JP20090163107;WO2 010JP62024; | KABASHIMA NOBUSUKE;KISHITAKEIS UKE;KUNO OJI;OTAKE NOBORU;TANAKA HIROMOCHI;WATANABE MASAO; | B01J23/46; B01D53/94; B01J23/42; B01J23/54; B01J23/63; B01J23/38; | EXHAUST GAS PURIFYING CATALYST AND PRODUCTION PROCESS THEREOF |
| WO2012052051 A1 20120426 | WO2010EP65654; | KABIR MOHAMMAD SHAFIQL;SMOLTEK AB; | D01F9/127; C01B31/02; | NANOSTRUCTURE DEVICE AND METHOD FOR MANUFACTURING NANOSTRUCTURES |
| WO2012022332 A2 20120223 | DE201010017706; | KAISER THEO;MAIER GEORG;NUSKO ROBERT;RENT A SCIENTIST GMBH; | B22F1/00; B22F9/24; | PROCESS FOR PRODUCING SILVER NANOWIRES |
| US2012144904 A1 20120614 | US20050732941P;US 20060592454;US2007 0936861P;US2008021 5046;US20121339907 0; | KALASIN SURACHATE;SANTORE MARIA MONICA; | G01N15/06; | NANOPATTERNED SURFACES AND RELATED METHODS FOR SELECTIVE ADHESION,SENSING AND SEPARATION |

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| WO2012081249 A1 20120621 | JP20100279548; | KAMBARA EIJI;SHOWA DENKO KK; | D01F9/127; C01B31/02; | METHOD FOR PRODUCING CARBON FIBERS |
| US2012145988 A1 20120614 | WO2009US32498; | KAMINS THEODORE I;QUITORIANO NATHANIEL J; | H01L21/20; H01L29/06; | Nanoscale Apparatus and Sensor With Nanoshell and Method of Making Same |
| SG176874 A1 20120228 | US20090271109P;US 20100835503;WO201 0US42228; | KAMITANI TOSHIMI;OKUYAMA HIROYUKI; | C10M145/22; B82Y30/00; B82Y40/00; C10M149/12; C10M2209/10; C10M2217/06; C10N2230/06 | REDUCED FRICTION LUBRICATING OILS CONTAINING FUNCTIONALIZED CARBONNANOMATERIALS |
| US2012014740 A1 20120119 | JP20090079745;WO2 010JP55199; | KAMITANI TOSHIMI;OKUYAMA HIROYUKI; | C08K5/41; B43K7/00; | THERMOSENSITIVE DECOLORABLE INK COMPOSITION |
| KR20120059269 A 20120608 | KR20100120940; | KANG SUNG-TAEG;SHEN JINMIAO J; | H01L21/027; | Method for producing a TiO ₂ array using ZnO template |
| US2012135596 A1 20120531 | US20080022800; | KANG SUNG-TAEG;SHEN JINMIAO J; | H01L21/28; H01L21/31; | METHOD OF REMOVING NANOCRYSTALS |
| JP2012035264 A 20120223 | JP20040105517;JP20 110243193; | KANTO KAGAKU;NAGOYA IND SCIENCE RES INST; | C07C33/025; C07C21/04; C07C15/52; C07C11/02; B01J23/44; B01J31/24; C07C5/09; C07C29/17; C07C17/354; C07C15/44; C07F7/08; B01J31/22; C07F15/00; C07C11/10; C07C15/46; B01J35/00; C07B61/00; B01J31/00; | HYDROGENATION PROMOTER, HYDROGENATION CATALYST, AND PROCESS FORPRODUCING ALKENE COMPOUND |
| US2012123021 A1 20120517 | JP20090165257;JP20 100098089;WO2010J P61475; | KAO CORP; | H01B3/40; B05D3/00; H01B3/30; B05D5/00; C09D5/25; | LOW-PERMITTIVITY RESIN COMPOSITION |
| US2012006760 A1 20120112 | US20020414065P;US 20020414102P;US200 20414258P;US200505 29453;US2007072623 0;US201113086370;W | KAPUR RAVI;TONER MEHMET;TRUSKEY GEORGE; | C12N5/06; G01N33/543; C12N5/02; B01D37/00; C12N5/00; G01N33/569; B01L11/00; B01L3/00; B01D35/00; | MICROFLUIDIC DEVICE FOR CELL SEPARATION AND USES THEREOF |

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| | O2003US30965; | | | |
| CN102388487 A 20120321 | DE200910017262;WO 2010EP02147; | KARLSRUHER INST TECHNOLOGIE; | H01M4/62; H01M4/38; H01M10/052; H01M10/054; H01M4/58; | Cathode material for fluoride-based conversion electrodes, method for the production thereof and use thereof |
| EP2417655 A1 20120215 | DE200910017262;WO 2010EP02147; | KARLSRUHER INST TECHNOLOGIE; | H01M10/052; B82Y30/00; H01M4/38; H01M10/054; H01M4/36; H01M4/58; C04B35/52; C04B35/628; H01M4/62; | CATHODE MATERIAL FOR FLUORIDE-BASED CONVERSION ELECTRODES, METHOD FOR THE PRODUCTION THEREOF AND USE THEREOF |
| DE102010034732 A1 20120223 | DE201010034732; | KARLSRUHER INST TECHNOLOGIE; | B01J3/00; B22F9/04; G01N15/00; | Device, useful for determining the fragmentation energy of nanoparticle agglomerates, comprises an evacuable vacuum housing having two chambers, first pump with which pressure is adjusted in the first chamber, and second pump |
| DE102011012930 A1 20120510 | DE201010044553;DE2 01110012930; | KARLSRUHER INST TECHNOLOGIE; | C01G19/00; B01J23/30; | Fotokatalysator auf Zinnwolframat-Basis sowie deren Herstellung |
| EP2411326 A2 20120201 | DE200910015400;WO 2010EP01738; | KARLSRUHER INST TECHNOLOGIE; | C01B31/02; | METHOD FOR SEPARATING METAL AND SEMI-CONDUCTING NANOTUBES |
| AT541238T T 20120115 | DE200710024653;WO 2008EP03985; | KARLSRUHER INST TECHNOLOGIE; | G03F7/00; | STEMPEL FÜR DAS MIKROKONTAKTDRUCKEN UND VERFAHREN ZU SEINER HERSTELLUNG |
| WO2012017822 A1 20120209 | JP20100177895; | KATAURAHIRROMICHI;NAT INST OF ADVANCED IND SCIEN;TANAKA TAKESHI; | B82Y40/00; B01J20/24; C01B31/02; | LOW-COST METHOD FOR SEPARATING CARBON NANOTUBES, SEPARATION MATERIAL, AND SEPARATION VESSEL |

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| SG177335 A1 20120228 | US20090219066P;WO 2010SG00233; | KATAYAMA SATOSHI;NISHI KIMIKO;TORIYAMA KOICHI; | C02F1/32; B01J21/063; B01J21/18; B01J27/24; B01J35/002; B01J35/004; B01J35/1019; B01J35/1023; B01J37/0219; B01J37/024; B01J37/036; B01J37/08; B82Y30/00; C02F1/725; B01J21/06; B01J32/00; B01J23/755; B01J35/1014; B01J35/1038; B01J35/1061; B01J37/20; B01J37/22; B01J37/28; C02F1/44; C02F2101/301; C02F2101/305; C02F2103/343 | DOPED CATALYTIC CARBONACEOUS COMPOSITE MATERIALS AND USES THEREOF |
| US2012003577 A1 20120105 | JP20090068201;JP20 090172192;WO2010J P53126; | KATAYAMA SATOSHI;NISHI KIMIKO;TORIYAMA KOICHI; | G03G5/04; G03G5/043; | ELECTROPHOTOGRAPHIC PHOTORECEPTOR AND IMAGE FORMATION DEVISE COMPRISING SAME |
| WO2012053543 A1 20120426 | JP20100235614;JP20 110069279; | KAWABATA YUICHIRO;SASAKI YUKO;TOKUYAMA CORP;UMEKAWA HIDEKI; | C08G77/20; C08G77/14; B29C59/02; C08F290/14; H01L21/027; | PHOTO-CURABLE NANOIMPRINT COMPOSITION, METHOD FOR FORMING PATTERN USING THE COMPOSITION, AND NANOIMPRINT REPLICA MOLD COMPRISING CURED PRODUCT OF COMPOSITION |
| WO2012002413 A1 20120105 | JP20100152365; | KAWABATA YUICHIRO;TOKUYAMA CORP;UMEKAWA HIDEKI; | G03F7/20; H01L21/027; B29C59/02; | COMPOSITION FOR PHOTOCURABLE IMPRINT, AND METHOD FOR FORMATION OF PATTERN USING THE COMPOSITION |

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| WO2012041438 A1 20120405 | EP20100012005;EP20 100013909; | KAWAGOE KEISUKE;KUBOTA YUICHI;MERCK PATENT GMBH;PFLUECKER FRANK;SASAKI FUMIKO;SHIMIZU KAIMAN;WATANABE YUKITAKA;WITTE GABRIELE; | A61K8/27; C09C3/06; C09C1/30; B01J13/22; A61K8/19; A61Q17/04; A61K9/50; A61K8/11; A61K8/29; | A PROCESS FOR TREATING SOL-GEL CAPSULES |
| JP2012040550 A 20120301 | JP20100165613;JP20 110158783; | KAWAKEN FINE CHEMICALS CO; | B01D53/94; B01J23/46; B82Y30/00; B01J23/44; B01J37/04; F01N3/10; B01J37/08; | CATALYST PRECURSOR DISPERSION, CATALYST, AND CLEANING METHOD OF EXHAUST GAS |
| TWI359789B B 20120311 | JP20040161234;JP20 040243580; | KAWAMURA INST CHEM RES; | C08L79/02; C08K3/08; B82B1/00; C08J7/06; C01B33/151; C08K3/36; | Complex nanofiber, complex nanofiber association, |
| TWI363771B B 20120511 | JP20040041335; | KAWAMURA INST CHEM RES; | C08K3/36; C08G73/02; C08L79/02; C08J3/00; C03B20/00; | Organo-inorganic compound nanofiber, organo- inorganic compound structure, and method for producing the same |
| US2012003569 A1 20120105 | WO2009US37462; | KAWAMURA TETSUO;PROTSAILO LESIA V; | B01J21/18; B01J37/02; H01M4/92; H01M8/02; | METHOD OF FORMING A TERNARY ALLOY CATALYST FOR FUEL CELL |
| KR20120051828 A 20120523 | KR20100113129; | KCC CORP; | H01M4/38; C01B33/035; H01M4/583; H01M10/0525; | ANODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY WITH SILICON NANOPARTICLES AND LITHIUM SECONDARY BATTERY COMPRISING THE SAME |
| US2012037840 A1 20120216 | US20080066962P;US 20080188226P;US200 90918291;WO2009US 01208; | KELLER ARTURO A;LIANG HONGJUN;SHI QIHUI;SHI YIFENG;STUCKY GALEN;WANG PENG; | B03C1/32; B01D15/36; H01F1/01; B03C1/015; H01F1/20; D01F9/12; | USE OF MAGNETIC NANOPARTICLES TO REMOVE ENVIRONMENTAL CONTAMINANTS |

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| US2012088093 A1 20120412 | DE200910013855;WO 2009EP66824; | KENNEDY MARCUS; | B05D1/36; C23C16/44; B32B5/16; C09D1/00; B32B9/00; | METHOD FOR COATING A SLIDING ELEMENT AND SLIDING ELEMENT, IN PARTICULAR A PISTON RING |
| WO2012057511 A2 20120503 | KR20100104611; | KHANG DONG WOO;KIM SANG HYUN;LEE SO YOUNG;NAM TAE HYEON;NAT UNIV GYEONGSANG IACF; | B01J19/10; B82B3/00; C01B31/02; | METHOD FOR PREPARING A HIGHLY DISPERSIVE CARBON NANOTUBE FOR REDUCING IN VIVO IMMUNOTOXICITY |
| US2012106111 A1 20120503 | US20100916569; | KHANNA SARWAN KUMAR;MAZZOCHETTE JOSEPH; | C09K5/00; H01F1/00; H05K7/00; H01F1/26; H01F1/04; | ANISOTROPIC ELECTRICALLY AND THERMALLY CONDUCTIVE ADHESIVE WITH MAGNETIC NANO-PARTICLES |
| KR20120065494 A 20120621 | KR20100126650; | KIM CHUL UNG; | H05B3/14; H05B3/34; | HEAT MAT OF DC-VOLTAGE USING CARBON- NANOTUBE TREAD |
| US2012064692 A1 20120315 | KR20080046676;US20 090469295;US201113 235079; | KIM DONG-WOO;LEESUN- WOO;MAYYA SUBRAMANYA;MOON SEONG-HO;WANG XIAOFENG;YOON HONG- SIK; | H01L21/20; | METHODS OF MANUFACTURING A MEMORY DEVICE HAVING A CARBON NANOTUBE |
| WO2012077865 A1 20120614 | JP20100272071;KR20 110016676; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D5/00; D01D13/00; D01D4/00; | FIELD EMISSION DEVICE AND NANOFIBER MANUFACTURING DEVICE |
| WO2012077864 A1 20120614 | JP20100272070;KR20 110016675; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D5/00; D01D4/00; D01D13/00; | FIELD EMISSION DEVICE AND NANOFIBER MANUFACTURING DEVICE |
| WO2012077869 A1 20120614 | JP20100272075;KR20 110016682; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D5/00; G01N15/08; | METHOD AND DEVICE FOR MANUFACTURING NANOFIBER |
| WO2012077868 A1 20120614 | JP20100272074;KR20 110016681; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D13/00; D01D5/00; D01D4/06; D01D4/00; | METHOD AND DEVICE FOR MANUFACTURING NANOFIBER |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
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| WO2012077873 A1 20120614 | JP20100272079;KR20 110017377; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D5/00; D01D13/00; D01D4/00; | METHOD AND DEVICE FOR MANUFACTURING NANOFIBERS |
| WO2012077866 A1 20120614 | JP20100272072;KR20 110016678; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D13/00; D01D4/00; D01D5/00; | NANO-FIBER MANUFACTURING DEVICE |
| WO2012077872 A1 20120614 | JP20100272078;KR20 110017376; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D4/04; D01D4/00; B82Y40/00; D01D13/00; D01D5/00; | NANOFIBER MANUFACTURING DEVICE |
| WO2012077870 A1 20120614 | JP20100272076;KR20 110016683; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D4/00; D01D5/00; D01D13/00; | NANOFIBER MANUFACTURING DEVICE |
| WO2012077867 A1 20120614 | JP20100272073;KR20 110016679; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D4/06; D01D13/00; D01D5/00; D01D4/00; | NANOFIBER MANUFACTURING DEVICE |
| WO2012077871 A1 20120614 | JP20100272077;KR20 110016684; | KIM ICK SOO;LEE JAE HWAN;TOPTEC CO LTD;UNIV SHINSHU; | D01D5/00; D01D4/00; D01D13/00; | NANOFIBER MANUFACTURING DEVICE AND AIR SUPPLY DEVICE THEREFOR |
| US2012034450 A1 20120209 | JP20090087501;WO2 010JP53894; | KIMOTO KK; | B32B5/16; | SURFACE PROTECTION FILM |
| US2012073461 A1 20120329 | JP20090146186;WO2 010JP59920; | KIMURA YOSHIO;KITANO TAKAHIRO;TERADA SHOICHI; | B41F33/00; B41F35/02; | IMPRINT SYSTEM, IMPRINT METHOD, AND NON-TRANSITORY COMPUTER STORAGE MEDIUM |
| US2012097522 A1 20120426 | US201213342104; | KING ABDULAZIZ CITY FOR SCIENCE AND TECHNOLOGY KACST; | C01G9/00; | SYNTHESIS OF ZINC-OXIDE NANOPARTICLES AND THEIR USE FOR PHOTO CATALYTIC DEGRADATION OF CYANIDE |
| US2012114550 A1 20120510 | US20100943024;US20 1113151296; | KING ABDULAZIZ CITY FOR SCIENCE AND TECHNOLOGY; | D01C5/00; | Combination catalysts based on iron for the substantial synthesis of multi-walled carbon nanotubes by chemical vapor deposition |
| US2012145637 A1 20120614 | US20100967778; | KING ABDULAZIZ CITY FOR SCIENCE AND TECHNOLOGY; | C02F1/48; B03C1/32; C02F1/28; C07F15/02; | MAGNETIC EXTRACTANTS, METHOD OF MAKING AND USING THE SAME |

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| US2012085636 A1 20120412 | BY20100000831U; | KING ABDULAZIZ CITY SCIENCE AND TECHNOLOGY; | C01B31/02; B01J19/08; | INCREASED EFFICIENCY IN THE SYNTHESIS OF CARBON NANOMATERIAL |
| WO2012046069 A1 20120412 | GB20100016925; | KINLOCH IAN;ROURKEJONATHAN P;UNIV MANCHESTER;WILSON NEIL R;YOUNG ROBERT; | C01B31/04; | GRAPHENE OXIDE |
| WO2012042727 A1 20120405 | JP20100215977; | KINOSHITA MASAHIRO;NAKURA KENSUKE;PANASONIC CORP; | H01M4/36; H01M4/58; H01M10/052; H01M10/0566; | POSITIVE ELECTRODE ACTIVE MATERIAL PARTICLES FOR LITHIUM ION SECONDARYBATTERY, POSITIVE ELECTRODE USING SAID POSITIVE ELECTRODE ACTIVE MATERIAL PARTICLES, AND LITHIUM ION SECONDARY BATTERY |
| SG177563 A1 20120329 | US20090271142P;US 20100835453;WO201 0US42229; | KINOSHITATAKAFUMI;KO NNO MIKIO;NAGAO DAISUKE;TAWASAKI TAKASHI;WATANABE AKIRA; | C01B31/0213; C01B31/0273; C01B31/0293; B82Y30/00; B82Y40/00 | FUNCTIONALIZED CARBON NANOSTRUCTURES WHICH ARE SOLUBLE IN HYDROCARBONSAND METHOD FOR PREPARATION |
| US2012141780 A1 20120607 | JP20090162278;JP20 100029133;WO2010J P61173; | KINOSHITATAKAFUMI;KO NNO MIKIO;NAGAO DAISUKE;TAWASAKI TAKASHI;WATANABE AKIRA; | C01G23/00; B29B9/00; B32B5/16; C08K3/22; | High-Refractive Index Powder and Production Method and Application ofSame |
| US2012082806 A1 20120405 | US20100924729; | KISSELL KYLE RYAN;SINCLAIR SLFTON JAMES BRUCE;STRINGFELLOW WILLIAM DOYLE;STUART JOHN BREADY; | B32B27/00; B32B1/08; B32B9/00; H01B1/24; H01B1/20; H05B1/00; | Heatable coating with nanomaterials |

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| EP2405027 A2 20120111 | KR20090019174;WO2 010KR01436; | KIST KOREA INST OF SCIENCE AND TECHNOLOGY;POSCO SPECIALTY STEELCO LTD; | C22C38/08; C22C38/40; C21D8/00; | STAINLESS STEEL MATERIAL HAVING OUTSTANDING HIGH-TEMPERATURE STRENGTH,AND A PRODUCTION METHOD THEREFOR |
| US2012085977 A1 20120412 | JP20090145742;WO2 010IB01533; | KITA TAKUJI;MURAI JUNYA; | H01B1/02; H01B1/00; | NANOCOMPOSITE THERMOELECTRIC CONVERSION MATERIAL AND METHOD OFPRODUCING THE SAME |
| WO2012063110 A2 20120518 | JP20100249912; | KITA TAKUJI;MURAI JUNYA;TOYOTA MOTOR CO LTD; | H01L35/26; H01L35/34; | NANOCOMPOSITE THERMOELECTRIC CONVERSION MATERIAL, METHOD OF PRODUCING SAME, AND THERMOELECTRIC CONVERSION ELEMENT |
| US2012058416 A1 20120308 | JP20040305631;JP20 050050269;US200502 52542;US2008008155 1;US201113292679; | KIYOSHI KANAMURA;NISSAN MOTOR; | H01M8/10; | PROTON-CONDUCTIVE COMPOSITE ELECTROLYTE MEMBRANE AND PRODUCING METHODTHEREOF |
| TW201214496 A 20120401 | US20100711966; | KLA TENCOR CORP; | H01L21/027; H01J3/14; | Electron reflector with multiple reflective modes |
| KR20120037949 A 20120420 | US20090218866P;US 20090249920P; | KLA TENCOR CORP; | H01L21/027; G03F1/00; | INSPECTION SYSTEMS AND METHODS FOR DETECTING DEFECTS ON EXTREMEULTRAVIOLET MASK BLANKS |
| EP2443651 A2 20120425 | US20090218866P;US 20090249920P;WO20 10US38202; | KLA TENCOR CORP; | H01L21/027; H01L21/66; G03F1/00; | INSPECTION SYSTEMS AND METHODS FOR DETECTING DEFECTS ON EXTREMEULTRAVIOLET MASK BLANKS |
| TW201201243 A 20120101 | US20100790177; | KLA TENCOR CORP; | H01J37/317; | Reflection electron beam projection lithography using an ExB separator |
| SG176552 A1 20120130 | US20090218866P;US 20090249920P;WO20 10US38202; | KLA TENCOR TECH CORP; | G03F1/00; | INSPECTION SYSTEMS AND METHODS FOR DETECTING DEFECTS ON EXTREMEULTRAVIOLET MASK BLANKS |

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|-----------------------------|--|--|--|---|
| WO2012039461 A1 20120329 | JP20100214366; | KOBAYASHI NAOYA;KOHARA KAORI;OGATA YASUNOBU;OGAWATOM OYUKI;POLWATTA GALLAGE CHAMMIKA RUWAN;SAKUMA AKIMASA;TAKAHASHI MIGAKU;TODA KOGYO CORP;UNIV TOHOKU; | B22F9/22; H01F1/08; B22F1/02; B22F1/00; C01B21/06; H01F1/06; C22C29/16; | FERROMAGNETIC PARTICLE POWDER, METHOD FOR PRODUCING SAME, ANISOTROPICMAGNET, AND BONDED MAGNET |
| EP2411162 A1 20120201 | US20090162387P;WO 2010US28333; | KOBO PRODUCTS INC; | C04B41/52; C09C3/06; B05D7/24; C09C1/40; C09C1/24; C09C3/08; C09C1/36; C09C3/12; C09C1/34; | SELF-DISPERSIBLE COATED METAL OXIDE POWDER, AND PROCESS FOR PRODUCTION AND USE |
| CN102361702 A 20120222 | US20090162387P;WO 2010US28333; | KOBO PRODUCTS INC; | C04B41/52; B05D7/24; | Self-dispersible coated metal oxide powder, and process for productionand use |
| US2012003287 A1 20120105 | US20090162387P;US 201013202092;WO20 10US28333; | KOBO PRODUCTS INC; | A61K8/365; A61Q17/04; A61K8/02; A61K8/58; B05D7/24; | SELF-DISPERSIBLE COATED METAL OXIDE POWDER, AND PROCESS FOR PRODUCTIONAND USE |
| US2012003770 A1 20120105 | JP20090037121;WO2 010JP51969; | KOHA CO LTD;SUMITOMO ELECTRIC INDUSTRIES; | H01L21/20; H01L33/32; | METHOD FOR FORMING EPITAXIAL WAFER AND METHOD FOR FABRICATINGSEMICONDUCTOR DEVICE |
| WO2012001808 A1 20120105 | WO2010JP61277; | KOHAMA KEIICHI;MINAMIDA YOSHITAKA;TOYOTA MOTOR CO LTD;YADA CHIIHIRO; | B32B18/00; B28B11/00; H01M10/0585; H01M10/0562; H01M4/139; | METHOD FOR PRODUCING CERAMIC LAMINATE, AND CERAMIC LAMINATE PRODUCEDBY THE PRODUCTION METHOD |

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| WO2012043783 A1 20120405 | JP20100221587; | KOKADO REI;MORI KENSAKU;SUMITOMO METAL MINING CO; | C01G53/00; H01M4/505; H01M4/36; H01M4/525; | POSITIVE ELECTRODE ACTIVE MATERIAL FOR USE IN NONAQUEOUS ELECTROLYTESECONDARY CELLS, MANUFACTURING METHOD THEREOF, AND NONAQUEOUS ELECTROLYTE SECONDARY CELL USING SAID POSITIVE ELECTRODE ACTIVE MATERIAL |
| US2012135303 A1 20120531 | KR20070112289;WO2 007KR08873; | KOKAM CO LTD; | B05D3/02; H01M4/64; B05D5/12; H01M4/485; H01M4/583; | CORE-SHELL TYPE ANODE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY,METHOD FOR PREPARING THE SAME AND LITHIUM SECONDARY BATTERY COMPRISING THE SAME |
| WO2012020167 A1 20120216 | FI20100005841; | KOLJONEN PETTERI;SAASTAMOINEN PEKKA;SPINDECO OY; | B82Y30/00; H01B1/04; | SPIN-CURRENT EFFECT IN CARBON COATED CONDUCTORS |
| US2012009515 A1 20120112 | JP20080186830;WO2 009JP62195; | KONICA MINOLTA BUSINESS TECH; | C01F5/00; C01F11/02; C01G23/04; C01G31/02; B32B5/16; C01G35/00; G03G9/08; C01G33/00; | DEVELOPER FOR ELECTROPHOTOGRAPHY |
| US2012094229 A1 20120419 | JP20100233439; | KONICA MINOLTA BUSINESS TECH; | G03G9/093; G03G9/087; | TONER FOR ELECTROSTATIC LATENT IMAGE DEVELOPMENT AND PRODUCTION METHODTHEREOF |
| US2012027994 A1 20120202 | JP20090064102;WO2 010JP53218; | KONICA MINOLTA HOLDINGS INC; | H01B13/00; B32B3/00; | TRANSPARENT CONDUCTIVE FILM AND METHOD FOR MANUFACTURING TRANSPARENTCONDUCTIVE FILM |
| CN102422450 A 20120418 | EP20090158685;WO2 010IB51749; | KONINKL PHILIPS ELECTRONICS NV; | H01L51/52; F21V5/00; | Illumination system comprising beam shaping element |
| US2012037943 A1 20120216 | EP20090158685;WO2 010IB51749; | KONINKL PHILIPS ELECTRONICS NV; | H01L51/52; | ILLUMINATION SYSTEM COMPRISING BEAM SHAPING ELEMENT |
| EP2422385 A1 20120229 | EP20090158685;EP20 100719099;WO2010IB 51749; | KONINKL PHILIPS ELECTRONICS NV; | H01L51/52; F21V5/00; | ILLUMINATION SYSTEM COMPRISING BEAM SHAPING ELEMENT |

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| AT544093T T 20120215 | EP20060123325;WO2 007IB54361; | KONINKL PHILIPS ELECTRONICS NV; | G03F7/00; | IMPRINTMETHODE ZUR HERSTELLUNG EINER RELIEFSCHICHT UND DEREN NUTZUNGALS –TZMASKE |
| TWI362687B B 20120421 | GB20030023902; | KONINKL PHILIPS ELECTRONICS NV; | B05D3/00; G03F7/00; H01L21/027; | Method for patterning a substrate surface |
| ES2381621T T3 20120530 | EP20060123325;WO2 007IB54361; | KONINKL PHILIPS ELECTRONICS NV; | G03F7/00; | Método de sobreimpresión para formar una capa en relieve y uso de lamisma como máscara de grabado |
| CN102341932 A 20120201 | EP20090154374;WO2 010IB50825; | KONINKL PHILIPS ELECTRONICS NV; | H01L51/56; H01L51/52; H01L27/32; | OLEDs connected in series |
| ES2377598T T3 20120329 | EP20080152016;WO2 009IB50686; | KONINKL PHILIPS ELECTRONICS NV;PHILIPS INTELLECTUAL PROPERTY; | H01L51/52; | Dispositivos optoelectrónicos orgánicos ocultos con una capa dedispersión de luz |
| EP2404336 A2 20120111 | EP20090154374;EP20 100708384;WO2010IB 50825; | KONINKL PHILIPS ELECTRONICS NV;PHILIPS INTELLECTUAL PROPERTY; | H01L27/32; H01L51/52; H01L51/56; | OLEDs CONNECTED IN SERIES |
| US2012061875 A1 20120315 | JP20100204728; | KONO TAKUYA; | B29C59/02; | TEMPLATE CHUCK, IMPRINT APPARATUS, AND PATTERN FORMING METHOD |
| KR20120067052 A 20120625 | KR20100128455; | KORE INST MACH & MATERIALS; | B82B3/00; | NANOCOMPOSITE HAVING QUANTUM DOTS FOR WAVELENGTH SHIFTER AND APREPARATION METHOD THEREOF |
| US2012082614 A1 20120405 | KR20080050480;US20 090437838;US201113 316634; | KOREA ADVANCED INST SCI & TECH; | C23C16/00; | AA STACKED GRAPHENE-DIAMOND HYBRID MATERIAL BY HIGH TEMPERATURE TREATMENT OF DIAMOND AND THE FABRICATION METHOD THEREOF |

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| US2012003565 A1 20120105 | KR20090022365;KR20090023390;WO2010KR01620; | KOREA ADVANCED INST SCI & TECH; | H01M8/00; B05D1/04; C23C16/48; H01M4/86; B05D3/02; H01M8/10; C23C14/34; | ANODE-SUPPORTED SOLID OXIDE FUEL CELL COMPRISING A NANOPOROUS LAYER HAVING A PORE GRADIENT STRUCTURE, AND A PRODUCTION METHOD THEREFOR |
| US2012100303 A1 20120426 | KR20100104912; | KOREA ADVANCED INST SCI & TECH; | H01B1/22; D02G3/04; C09D11/02; B29B9/00; B05D3/06; | CARBON NANOFIBER INCLUDING COPPER PARTICLES, NANOPARTICLES, DISPERSED SOLUTION AND PREPARATION METHODS THEREOF |
| KR20120043562 A 20120504 | KR20100104912; | KOREA ADVANCED INST SCI & TECH; | B82B3/00; D01F9/12; D01F1/10; C09D11/00; | CARBON NANOFIBER INCLUDING COPPER PARTICLES, NANOPARTICLES, DISPERSED SOLUTION AND THE FABRICATION METHODS THEREOF |
| US2012107683 A1 20120503 | KR20100105389; | KOREA ADVANCED INST SCI & TECH; | H01M4/58; H01B1/04; H01B1/02; H01M4/64; | COMPOSITES OF SELF-ASSEMBLED ELECTRODE ACTIVE MATERIAL-CARBON NANOTUBE, FABRICATION METHOD THEREOF AND SECONDARY BATTERY COMPRISING THE SAME |
| US2012113565 A1 20120510 | KR20070037096;US20080081327;US201213350974; | KOREA ADVANCED INST SCI & TECH; | H01G9/042; H01G9/155; B05D5/12; | ELECTRODE FOR SUPER CAPACITOR HAVING METAL OXIDE DEPOSITED ON ULTRAFINE CARBON FIBER AND THE FABRICATION METHOD THEREOF |
| US2012153229 A1 20120621 | KR20100131258; | KOREA ADVANCED INST SCI & TECH; | C09K11/08; C09B17/00; C09B57/14; C09B23/14; C09K11/06; C09B57/02; | Fluorescent Dye-Siloxane Hybrid Resin |
| US2012012520 A1 20120119 | KR20100068775; | KOREA ADVANCED INST SCI & TECH; | B01D71/06; B01D71/56; B01D71/68; B01D71/42; B05D5/00; | FORWARD OSMOSIS MEMBRANES AND METHOD FOR FABRICATING THE SAME |
| US2012043402 A1 20120223 | KR20100079964; | KOREA ADVANCED INST SCI & TECH; | B02C15/00; | METHOD FOR PURIFYING GRAPHENE POWDER |
| KR20120017332 A 20120228 | KR20100079964; | KOREA ADVANCED INST SCI & TECH; | C01B31/02; B01D35/06; | METHOD FOR PURIFYING GRAPHENE POWDERS |

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| KR20120044515 A 20120508 | KR20100105812; | KOREA ADVANCED INST SCI & TECH; | G01N35/08; G01N33/48; | METHOD OF PREPARING MICROFLUIDIC DEVICES BASED ON A POLYMER |
| US2012107195 A1 20120503 | KR20100105812; | KOREA ADVANCED INST SCI & TECH; | B01L3/00; B32B37/02; | METHOD OF PRODUCING MICROFLUIDIC DEVICES BASED ON A POLYMER |
| US2012135862 A1 20120531 | KR20100120913; | KOREA ADVANCED INST SCI & TECH; | B01J23/42; B01J23/72; B01J35/02; B01J37/02; B01J37/16; B01J23/46; B01J23/44; B01J23/52; | METHODS OF PREPARING ELECTROCATALYSTS FOR FUEL CELLS IN CORE-SHELLSTRUCTURE AND ELECTROCATALYSTS |
| US2012142524 A1 20120607 | KR20070102100;US20 070000375;US201213 369665; | KOREA ADVANCED INST SCI & TECH; | B01J23/75; B01J35/10; B01J23/745; | NANOCRATER CATALYST IN METAL NANOPARTICLES AND METHOD FOR PREPARINGTHE SAME |
| US2012161192 A1 20120628 | KR20100132532; | KOREA ADVANCED INST SCI & TECH; | C23C16/26; C23C16/56; H01L51/52; B32B3/00; B32B9/00; B05D1/02; B05D3/10; B05D5/12; | NITROGEN-DOPED TRANSPARENT GRAPHENE FILM AND MANUFACTURING METHODTHEREOF |
| EP2444844 A2 20120425 | KR20100103480;KR20 100103485; | KOREA ADVANCED INST SCI & TECH; | G03F7/00; G03F7/34; | Pattern transfer method and apparatus therefor |
| CN102452239 A 20120516 | KR20100103480;KR20 100103485; | KOREA ADVANCED INST SCI & TECH; | B41M5/00; B41F16/00; | Pattern transfer method and apparatus therefor |
| JP2012094855 A 20120517 | KR20100103480;KR20 100103485; | KOREA ADVANCED INST SCI & TECH; | H01L21/3205; H01L21/28; H01L21/336; H01L21/288; H01L29/423; H01L29/417; H01L31/04; H05K3/08; H01L29/786; H05K3/20; H01L29/49; | PATTERN TRANSFER METHOD AND DEVICE, FLEXIBLE DISPLAY PANEL, FLEXIBLESOLAR CELL, E-BOOK, THIN FILM TRANSISTOR, ELECTROMAGNETIC WAVE SHIELDING SHEET, FLEXIBLE PRINTED CIRCUIT BOARD TO WHICH PATTERN TRANSFER METHOD OR DEVICE IS APPLIED |
| KR20120001694 A 20120104 | KR20100062183; | KOREA ADVANCED INST SCI & TECH; | B82B3/00; B82B1/00; | THREE DIMENSIONAL NANOSTRUCTURE AND METHOD FOR PREPARING THE SAME |
| KR20120055397 A 20120531 | KR20100117123; | KOREA ADVANCED INST SCI & TECH; | H01L31/042; H01B1/08; C01G23/047; B82B3/00; | TITANIUM DIOXIDE NANOPARTICLES FOR FABRICATING PHOTO-ELECTRODES OFHIGH- EFFICIENT AND LONG-LASTING DYE- SENSITIZED SOLAR CELLS AND THE FABRICATION METHOD THEREOF |

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| US2012121499 A1 20120517 | KR20070130117;US20 080328801;US201213 350553; | KOREA ADVANCED INST SCI & TECH; | C01B3/04; | Transition Metal-Carbon Nanotube Hybrid Catalyst Containing Nitrogen,Method for Preparation Thereof, and Method for Generation of Hydrogen Using the Same |
| KR20120055317 A 20120531 | KR20100116994; | KOREA ADVANCED INST SCI & TECH;KOREA MINTING SECURITY PRINTING & ID CARD OPERATING CORP; | C09K11/88; | NANOCOMPOSITES COMBINED QUANTUM DOT WITH RARE EARTH COMPLEXES AND THE METHOD THEREOF |
| KR101141743B B1 20120503 | KR20110096979; | KOREA BASIC SCIENCE INST; | B01J21/06; C01G23/053; B82B3/00; | MANUFACTURING METHOD OF HIGH CRYSTALLINE TITANIUM DIOXIDE NANOPOROUS WHICH CAN BE MANUFACTURED AT ROOM TEMPERATURE |
| KR101135446B B1 20120413 | KR20110140941; | KOREA BASIC SCIENCE INST; | B01J19/10; C01G49/02; B82B3/00; | MANUFACTURING METHOD OF HOLLOW SPHERICAL IRON OXIDE PARTICLES |
| KR101157882B B1 20120622 | KR20110111662; | KOREA BASIC SCIENCE INST; | C01G49/02; B82B3/00; C04B35/26; | MANUFACTURING METHOD OF IRON OXIDE NANOPARTICLES HAVING HIGH SURFACE AREA |
| KR20120067249 A 20120625 | KR20100128728; | KOREA ELECTRONICS TECHNOLOGY; | B82B3/00; | METHOD FOR FABRICATING ZNO NANOWIRE USING METAL MASKING AND THE ZNONANOWIRE MEMBER FABRICATED FROM THE SAME |
| KR20120066817 A 20120625 | KR20100128095; | KOREA ELECTRONICS TECHNOLOGY; | B82B3/00; | NANO-SIZED POWDER MANUFACTURING APPARATUS THROUGH EVAPORATION, CONDENSATION AND GATHERING IN OIL |
| US2012015467 A1 20120119 | KR20070127565;US20 080240133;US201113 240943; | KOREA ELECTRONICS TELECOMM; | H01L21/335; | BIOSENSOR USING NANODOT AND METHOD OF MANUFACTURING THE SAME |
| KR20120033722 A 20120409 | KR20100095404; | KOREA ELECTRONICS TELECOMM; | H01L21/8229; H01L21/8239; H01L27/10; | GRAPHENE OXIDE MEMORY DEVICES AND FABRICATION METHODS THEREOF |
| US2012080656 A1 20120405 | KR20100095404; | KOREA ELECTRONICS TELECOMM; | H01L21/8239; H01L45/00; | Graphene oxide memory devices and method of fabricating the same |

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| US2012164317 A1 20120628 | KR20100134035; | KOREA ELECTRONICS TELECOMM; | B05D5/12; B05D5/06; B05D3/12; | METHOD FOR FABRICATING POLARIZER |
| US2012129682 A1 20120524 | KR20100116816; | KOREA ELECTRONICS TELECOMM; | B01J20/30; B01J20/28; | METHOD OF FABRICATING NANOWIRE POROUS MEDIUM AND NANOWIRE POROUSMEDIUM FABRICATED BY THE SAME |
| KR20120055211 A 20120531 | KR20100116816; | KOREA ELECTRONICS TELECOMM; | C08J9/04; B82B3/00; C08L29/04; C08K3/22; | METHOD OF FORMING NANOWIRE POROUS MEDIA AND THE MEDIA FORMED BY THEMETHOD |
| US2012135597 A1 20120531 | KR20100120940; | KOREA ELECTRONICS TELECOMM; | H01L21/28; | METHOD OF FORMING TiO2 ARRAY USING ZnO TEMPLATE |
| US2012086132 A1 20120412 | KR20100097300;KR20 110011565; | KOREA ELECTRONICS TELECOMM; | H01L21/02; H01L23/48; H01L21/768; | METHOD OF MANUFACTURING VIA ELECTRODE |
| KR20120066438 A 20120622 | KR20100127787; | KOREA ELECTRONICS TELECOMM; | H01L29/78; H01L21/336; | SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME |
| US2012145999 A1 20120614 | KR20100127787; | KOREA ELECTRONICS TELECOMM; | H01L29/775; H01L21/336; B82Y99/00; B82Y40/00; | SEMICONDUCTOR DEVICES AND METHODS OF MANUFACTURING THE SAME |
| US2012152296 A1 20120621 | KR20080118110;US20 090503936;US201213 408153; | KOREA ELECTRONICS TELECOMM; | H01L35/28; H01L35/34; | THERMOELECTRIC DEVICE, THERMOELECTIC DEVICE MODULE, AND METHOD OFFORMING THE THERMOELECTRIC DEVICE |
| JP2012056838 A 20120322 | KR20070094579; | KOREA ENERGY RESEARCH INST; | B81C99/00; B01J37/02; B01J23/46; B01J19/00; B01J35/04; C01B31/02; | MICROTUBULAR HONEYCOMB CARBON MATERIAL OBTAINED BY HEAT- TREATINGCELLULOSE FIBER AND METHOD FOR PRODUCING THE SAME, MICROTUBULAR REACTOR MODULE USING THE MICROTUBULAR HONEYCOMB CARBON MATERIAL AND METHOD FOR PRODUCING THE SAME, AND MICROCATALYTIC REACTOR SYSTEM USING THE MICROTUBULAR REACTOR MODULE |

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|-----------------------------|-------------------------------|---|--|--|
| KR20120053755 A 20120529 | KR20100115035; | KOREA IND TECH INST; | B82B1/00; B82B3/00; | SEMICONDUCTOR NANOPARTICLES WITH POLYMER LAYER FOR PROTECTING THE SURFACE AND PREPARATION METHOD THEREOF |
| WO2012067446 A2 20120524 | KR20100115035; | KOREA IND TECH INST; KWON HA-YOUNG; LEE KYEONG-KYUN; LEE SUNG-KOO; LIM EUN-HEE; | B82B1/00; B82B3/00; | SEMICONDUCTOR NANOPARTICLES HAVING POLYMER SURFACE PROTECTING FILMS, AND METHOD FOR PREPARING SAME |
| KR20120068116 A 20120627 | KR20100129560; | KOREA INST CERAMIC ENG & TECH; | B82B3/00; | MANUFACTURING METHOD OF TUNGSTEN-COPPER NANO COMPOSITE POWDER AND MANUFACTURING METHOD OF TUNGSTEN-COPPER COMPOSITE PRODUCT USING THE SAME |
| US2012107214 A1 20120503 | KR20100105658; | KOREA INST GEOSCIENCE & MINERA; | C01B33/26; | METHOD FOR PREPARING MICROTUBULAR HALLOYSITE NANOPOWDERS |
| US2012077031 A1 20120329 | KR20090128632; | KOREA KUMHO PETROCHEM CO LTD; | C09K5/00; B01J21/10; B01J21/18; B32B9/00; D01F9/127; H01B1/24; D01F9/12; | CATALYST COMPOSITION FOR THE SYNTHESIS OF THIN MULTI-WALLED CARBON NANOTUBE |
| US2012040186 A1 20120216 | KR20100076674; | KOREA KUMHO PETROCHEM CO LTD; | B01J21/02; D01F9/12; B01J37/08; | Process For Preparing Catalyst Composition For The Synthesis Of Carbon Nanotube With High Yields Using The Spray Pyrolysis Method |
| KR20120021581 A 20120309 | KR20100076674; | KOREA KUMHO PETROCHEM CO LTD; | B01J23/881; B01J37/12; B01J23/889; B82B3/00; | PROCESS FOR PREPARING CATALYST COMPOSITION FOR THE SYNTHESIS OF CARBON NANOTUBE WITH HIGH YIELDS USING THE SPRAY PYROLYSIS METHOD |
| AT556356T T 20120515 | KR20040010591; WO2005KR00224; | KOREA MACH & MATERIALS INST; | G03F7/00; B41N3/00; B41N3/08; H01L21/027; G03B17/00; B81C99/00; B82Y10/00; B29C33/30; B41N3/03; B29C59/02; B41N3/04; | DRUCKVORRICHTUNG MIT UNABHÄNGIG BETÜGTIGTEN SEPARABLEN MODULEN |

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|-----------------------------|----------------------------------|---|---|---|
| KR20120064866 A 20120620 | KR20100126122; | KOREA MARITIME UNIVERSITY INDUSTRY ACADEMIC COOPERATION FOUNDATION; | H05B33/26; H05B33/14; | ULTRA VIOLET LIGHT EMITTER BY USING ELECTRIC FIELD EMITTER AND FABRICATION METHOD THEREBY |
| US2012041178 A1 20120216 | KR20090029620;WO2 010KR02112; | KOREA RES INST OF BIOSCIENCE; | C07K14/765; C07C279/14; C07C229/00; C07K14/76; C07C323/58; C07K14/47; C07C229/22; C07D207/16; C07C227/14; C07C229/26; C07K14/00; | Coenzyme Q10 Nanoparticles, Preparation Method Thereof and Composition Containing Said Nanoparticles |
| KR20120070236 A 20120629 | KR20100131711; | KOREA RES INST OF BIOSCIENCE; | C09K11/02; G01N33/52; G01N33/58; | FLUORESCENCE NANOPARTICLE USING LANTHANIDE METAL COMPLEX AND METHOD OF PREPARING THE SAME |
| BRPI0613197 A2 20120103 | KR20050043102;WO2 006KR00494; | KOREA RES INST OF BIOSCIENCE; | B01J13/02; | partículas coloidais codificadas por múltiplas cores revestidas com mistura de nanopartículas de metal com cores na região visível e método para a preparação da mesma |
| US2012121517 A1 20120517 | KR20100062850; | KOREAN INST OF SCIENCE AND TECHNOLOGY OF SEOUL REPUBLIC OF KOREA; | C08G63/692; A61P35/00; C08G79/02; A61K49/12; A61K49/14; A61K47/48; | BIODEGRADABLE AND THERMOSENSITIVE POLY(ORGANOPHOSPHAZENE)- SUPERPARAMAGNETIC NANOPARTICLE COMPLEX, PREPARATION METHOD AND USE THEREOF |
| WO2012009212 A2 20120119 | US20100363484P; | KORGEL BRIAN A;STEINHAGEN CHET;UNIV TEXAS; | B82B3/00; B82B1/00; | NANOWIRES AND METHODS OF MAKING AND USING |
| US2012093882 A1 20120419 | IN2009MU00937;WO2 010IN00167; | KOTHARI JAY;PATEL JITENDRA;ROY SUNILENDU BHUSHAN;SHEIKH SHAFIQ; | C07C229/42; A61P25/00; A61K31/196; A61P29/00; A61K9/107; | STABLE PHARMACEUTICAL COMPOSITIONS OF DICLOFENAC |

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|-----------------------------|--|---|--|---|
| US2012128565 A1 20120524 | US20070868023; | KOURTAKIS KONSTANTINOS;SUBRAM ONEY SHEKHAR; | C01B31/36; | BORON CARBON NANORODS |
| US2012107558 A1 20120503 | US20100916859; | KOVAL SHARI ELIZABETH;LIU JIA;MAZUMDER PRANTIK;MILIACHARLOT TE DIANE;QUESADA MARK ALEJANDRO;SENARATNE WAGEESHA;ST CLAIR TODD PARRISH; | B05D1/36; B32B5/16; C23C14/34; | TRANSPARENT SUBSTRATE HAVING DURABLE HYDROPHOBIC/OLEOPHOBIC SURFACE |
| US2012088155 A1 20120412 | US20100330461P;US 20100358465P;US201 113227471;WO2011U S35072; | KOVALENKO IGOR;LUZINOV IGOR;MAGAZYNSKYOLE KSANDR;YUSHIN GLEB;ZDYRKO BOGDAN; | H01M4/58; H01M4/583; B05D5/12; H01M4/485; H01M4/62; H01M4/38; | ALGINATE-CONTAINING COMPOSITIONS FOR USE IN BATTERY APPLICATIONS |
| SG176863 A1 20120228 | JP20090142296;WO2 010JP60075; | KRISHNAN SHUTESH;WON YUN SUNG; | C01G23/00; C01G23/002; B82Y30/00; G02B5/201; G02B5/003; C01P2002/72; C01P2004/03; C01P2004/04; C01P2004/64; C01P2006/12; C01P2006/60; C01P2006/80 | BLACK COMPOSITE PARTICLE, BLACK RESIN COMPOSITION, COLOR FILTERSUBSTRATE AND LIQUID CRYSTAL DISPLAY |
| US2012018864 A1 20120126 | MY2010PI03445; | KRISHNAN SHUTESH;WON YUN SUNG; | H05K1/11; B29C43/00; B29C67/00; H01L23/495; B32B37/14; | BONDING STRUCTURE AND METHOD |
| HK1104569 A1 20120210 | DE200410017565;DE2 00410027549;DE2004 20005677U;WO2005E P03601; | KRONOS INTERNAT INC; | B01J35/00; B01J21/06; C01G23/047; C09C1/36; | CARBON-CONTAINING, TITANIUM DIOXIDE- BASED PHOTOCATALYST, AND PROCESSFOR PRODUCING THE SAME |
| RU2010132870 A 20120210 | JP20080064978; | KROSAKI HARIMA CORP; | C04B35/48; | REFRACTORY CONTAINING ZIRCONIUM DIOXIDE AND CARBON, AND METHOD OF PRODUCING SAID REFRACTORY |

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|-----------------------------|-----------------------------------|--|---|--|
| CN102480007 A 20120530 | CN20111091322; | KUANG CHI INNOVATIVE TECH CO;SHENZHEN KUANG CHI INST; | B82Y30/00; H01Q15/00; | Metamaterial capable of converging electromagnetic wave |
| CN102480008 A 20120530 | CN20111093910; | KUANG CHI INNOVATIVE TECH CO;SHENZHEN KUANG CHI INST; | B82Y30/00; H01Q15/00; | Metamaterial for converging electromagnetic waves |
| CN102480004 A 20120530 | CN20111077103; | KUANG CHI INNOVATIVE TECH CO;SHENZHEN KUANG CHI INST; | B82Y40/00; B82Y30/00; H01Q15/00; | Metamaterial with spatial clearance and preparation method of metamaterial |
| CN102480001 A 20120530 | CN20111074031; | KUANG CHI INNOVATIVE TECH CO;SHENZHEN KUANG CHI INST; | H01Q15/00; B82Y40/00; B32B15/08; | Preparation method of metamaterial |
| CN102480018 A 20120530 | CN20111145882; | KUANG CHI INNOVATIVE TECH CO;SHENZHEN KUANG CHI INST; | B82Y40/00; H01Q15/00; B82Y30/00; | Preparation method of metamaterial and metamaterial |
| CN102480014 A 20120530 | CN20111120974; | KUANG CHI INNOVATIVE TECH CO;SHENZHEN KUANG CHI INST; | B82Y40/00; H01Q15/00; | Shape memory metamaterial and preparation method thereof |
| CN202131385U U 20120201 | CN20112208310U; | KUNSHAN ZHENKUN NANO TECHNOLOGY CO LTD; | C25D11/02; B82Y40/00; | Nanometer pipe fitting surface treatment jig |
| US2012070673 A1 20120322 | DE200910016089;WO 2010EP01171; | KUNTZ MATTIAS;LANGE ANNA;MAILEFRANK JOCHEN;SCHOENEFELD ULRICH;SCHUETZ- WIDONIAK JOHANNA; | B05D3/02; C09D1/00; B32B9/00; C01F7/02; C09D133/08; C09D7/12; C01B35/10; | COATING COMPOSITION |
| US2012164514 A1 20120628 | JP20090214216;WO2 010JP65402; | KURARAY CO; | H01M2/16; B05D1/12; B32B38/00; | SEPARATOR FOR NON-AQUEOUS BATTERIES, NON-AQUEOUS BATTERY USING SAME,AND PRODUCTION METHOD FOR SEPARATOR FOR NON-AQUEOUS BATTERIES |

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|-----------------------------|---|---|--|--|
| CN102408105 A 20120411 | JP20060289934;JP20 060290379; | KURARAY CO; | B82Y40/00; C01B31/02; | Transparent conductive film, transparent electrode substrate and method for producing liquid crystal alignment film by using same, and carbon nanotube and method for producing same |
| US2012097595 A1 20120426 | JP20090091250;WO2 010JP55637; | KURITA WATER IND LTD; | C02F1/20; | DEVICE FOR TREATING HYDROGEN PEROXIDE WATER |
| WO2012041262 A1 20120405 | CZ20100000708; | KVITEK LIBOR;PANACEK ALES;PRUCEK ROBERT;RANC VACLAV;UNIVERZITA PALACKEHO V OLOMOUCI;ZBORIL RADEK; | B82Y15/00; G01N33/543; G01N21/65; G01N33/58; B82Y30/00; | METHOD FOR ACTIVATION OF AQUEOUS SILVER NANOPARTICLE DISPERSIONS FOR SURFACE ENHANCED RAMAN SPECTROSCOPY |
| HK1074018 A1 20120413 | US20020354062P;US 20030341186;WO200 3US01569; | KX TECHNOLOGIES LLC; | D21F11/14; B01J20/28; B01D53/04; B01D39/14; B01D39/02; A61L9/16; D04H3/16; B01D39/08; B01D39/00; D21H13/40; C12H1/056; C02F1/00; B01J20/32; A61L2/00; B01D29/15; A61L2/02; C12H1/044; B01D37/02; B01D53/02; B01D29/00; B01D39/20; B01D39/16; B03C3/28; B01D39/18; | NANOFIBER FILTER MEDIA |
| US2012115706 A1 20120510 | JP20090105956;WO2 010JP57247; | KYOCERA CORP; | C04B35/58; | Ceramics for Decorative Component and Decorative Component Using the Same |
| JP2012008527 A 20120112 | JP20100121642;JP20 110068663; | KYOCERA MITA CORP; | G03G9/08; | TONER FOR DEVELOPING ELECTROSTATIC CHARGE IMAGE, DEVELOPER FOR DEVELOPING ELECTROSTATIC CHARGE IMAGE AND IMAGE FORMING DEVICE |

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|-----------------------------|--|---|--|---|
| JP2012077383 A 20120419 | JP20110246066; | KYORITSU KAGAKU SANGYO;RIKAGAKU KENKYUSHO; | B82Y30/00; B82Y40/00; B22F1/02; B22F9/00; B22F9/24; | INORGANIC NANOPARTICLE DISPERSION |
| CN102395532 A 20120328 | JP20090103691;WO2 010JP57519; | KYOWA CHEM IND CO LTD; | H01B1/20; C01G9/00; C08K7/00; C01G49/00; C01G15/00; C08L101/00; H01B1/08; H01B5/00; C01G23/00; | Columnar zinc oxide particles and method for producing same |
| KR20120022786 A 20120312 | JP20090103691; | KYOWA CHEM IND CO LTD; | C01G9/00; C01G15/00; C08L101/00; C01G23/00; | COLUMNAR ZINC OXIDE PARTICLES AND METHOD FOR PRODUCING SAME |
| EP2423166 A1 20120229 | JP20090103691;WO2 010JP57519; | KYOWA CHEM IND CO LTD; | C08L101/00; H01B1/20; C01G9/00; C01G9/02; C08K7/00; H01B5/00; C01G49/00; C01G15/00; C01G23/00; H01B1/08; | COLUMNAR ZINC OXIDE PARTICLES AND METHOD FOR PRODUCING SAME |
| US2012097888 A1 20120426 | JP20090103691;WO2 010JP57519; | KYOWA CHEM IND CO LTD; | C09K5/14; H01B1/00; | COLUMNAR ZINC OXIDE PARTICLES AND PROCESS FOR PRODUCING THE SAME |
| US2012128583 A1 20120524 | KR20090072523;WO2 009KR07181; | KYUNGPOOK NAT UNIV IND ACAD; | A61K49/18; A61K51/04; C07C323/58; A61K49/04; B05D5/00; B05D7/00; C07F5/00; C07F13/00; | DTPA DERIVATIVE, METAL COMPLEX, MR AND CT CONTRAST AGENT AND METHODFOR MANUFACTURING SAME |
| CN102421825 A 20120418 | JP20090114496;JP20 090125517;WO2010J P02788; | KYUSYU UNIVERSITY NAT UNIVERSI;TOYO BOSEKI; | C08L79/04; C08G73/22; C08K3/04; | Process for producing polybenzoxazole film |
| US2012034442 A1 20120209 | US20100371442P;US 201113204277;US201 161466530P; | L LIVERMORE NAT SECURITY LLC; | C01B31/00; B32B5/18; C01B31/02; C01B31/10; | GRAPHENE AEROGELS |
| US2012077006 A1 20120329 | US20100315512P;US 20100694425;US2011 13051915; | L LIVERMORE NAT SECURITY LLC; | B05D7/22; B32B5/18; B05D3/02; B05D3/00; B32B9/04; | HIGH SURFACE AREA SILICON CARBIDE- COATED CARBON AEROGEL |

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| US2012122652 A1 20120517 | US20090147694P;US 20090147805P;US201 00652616;US2010069 4425;US20111328118 5; | L LIVERMORE NAT SECURITY LLC; | B01J21/18; | HIGH SURFACE AREA, ELECTRICALLY CONDUCTIVE NANOCARBON-SUPPORTED METALOXIDE |
| US2012037854 A1 20120216 | US20090147694P;US 20090147805P;US200 90172363P;US201006 52616;US2010069442 5;US20100761157;US 201113281160; | L LIVERMORE NAT SECURITY LLC; | H01B1/24; B05D5/12; B05D3/02; B05D3/00; | MECHANICALLY STIFF, ELECTRICALLY CONDUCTIVE COMPOSITES OF POLYMERS AND CARBON NANOTUBES |
| US2012028798 A1 20120202 | US20100369972P;US 201113195752;US201 161473537P;US20116 1473654P; | L LIVERMORE NAT SECURITY LLC; | B01J32/00; B01J21/18; H01B1/04; C23C16/26; C23C16/44; | POROUS SUBSTRATES FILLED WITH NANOMATERIALS |
| US2012041142 A1 20120216 | EP20090004630;WO2 010EP01806; | LAAS HANS- JOSEF;NENNEMANN ARNO;PYRLIK OLIVER; | C09D175/08; C09D175/12; C09D183/00; C09D7/12; | NANOPARTICLE-MODIFIED HYDROPHILIC POLYISOCYANATES |
| WO2012020161 A1 20120216 | ES20100031247; | LAGARON CABELLO JOSE MARIA;NANOBIOMATTER S RES & DEV S L;NUNEZ CALZADO EUGENIA; | B82Y30/00; C08K3/34; B32B27/18; | USE OF MOISTURE-SENSITIVE POLYMER NANOCOMPOUNDS FOR THE PRODUCTION OF OBJECTS AND CONTAINERS WITH GREATER MOISTURE-RESISTANCE |
| US2012153239 A1 20120621 | IN2009MU01889;US20 1213398300;WO2010 US43844; | LAIRD TECHNOLOGIES INC; | B29C43/02; B29C47/00; B29C45/00; H01B1/22; | Formation of High Electrical Conductivity Polymer Composites with Multiple Fillers |
| US2012145212 A1 20120614 | IN2009MU01888;US20 1213398274;WO2010 US43847; | LAIRD TECHNOLOGIES INC; | H01L35/32; C01B19/04; H01B1/02; H01L35/28; H01B13/00; H01B1/00; | SYNTHESIS OF SILVER, ANTIMONY, AND TIN DOPED BISMUTH TELLURIDE NANOPARTICLES AND BULK BISMUTH TELLURIDE TO FORM BISMUTH TELLURIDE COMPOSITES |

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| KR20120064680 A 20120619 | IN2009MU01888; | LAIRD TECHNOLOGIES INC; | H01L35/18; | SYNTHESIS OF SILVER, ANTIMONY, AND TIN DOPED BISMUTH TELLURIDENANOPARTICLES AND BULK BISMUTH TELLURIDE TO FORM BISMUTH TELLURIDE COMPOSITES |
| WO2012032260 A1 20120315 | FR20100057129; | LAMY DE LA CHAPELLEMARC;SHEN HONG;TOURY TIMOTHEE;UNIV TROYES TECHNOLOGIE; | B82Y30/00; G01N21/65; | SUBSTRATE COATED WITH NANOPARTICLES, AND USE THEREOF FOR THE DETECTIONOF ISOLATED MOLECULES |
| US2012088659 A1 20120412 | US20090217772P;US 201013376191;WO20 10US37382; | LANDEC CORP; | A61K47/32; A01N25/26; A61K9/00; A61K8/02; A61K8/81; A01N25/10; | Compositions and Methods for Delivery of Materials |
| EP2427518 A1 20120314 | DE200910020090;WO 2010EP55973; | LANXESS DEUTSCHLAND GMBH; | C08L77/06; C08L77/02; | REDUCTION OF THE INFLUENCE OF WATER ABSORPTION ON THE ELECTRICALCONDUCTIVITY OF ELECTRICALLY CONDUCTIVE POLYAMIDE MOLDING COMPOUNDS |
| US2012052193 A1 20120301 | TW20090112666;US2 0090449802;US20111 3004904; | LEE CHING-MING;WU TE- HO;YE LIN-HSIU; | H01F41/22; H01F41/14; | MAGNETIC STACK STRUCTURE AND MANUFACTURING METHOD THEREOF |
| WO2012008632 A1 20120119 | WO2010KR04618; | LEE JAE BEOM;LEE JAE WOOK;PUSAN NAT UNIV IND COOP FOUND;SUN FANG FANG; | B29C55/04; B82B3/00; B29D7/01; | METHOD FOR MANUFACTURING METAL NANOWIRE FILMS ALIGNED BY TENSION METHOD |
| KR20120068411 A 20120627 | KR20100130027; | LEE JAE MOON; | C09K5/18; | ECO-FRIENDLY COOLING-SUBSTANCES |
| US2012145601 A1 20120614 | US20080199358;US20 1213404517; | LEE JIN-KYU; | C07F15/02; C10G32/02; | MAGNETIC NANOPARTICLE COMPLEX |
| WO2012046991 A2 20120412 | KR20100097210; | LEE JONG LAM;POSTECH ACAD IND FOUND;SONG YANG HEE; | H01L21/027; | PATTERNING METHOD OF SEMICONDUCTOR AND SEMICONDUCTOR DEVICE THAT CONTAINS PATTERN FORMED BY PATTERNING METHOD |

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|-------------------------------|--------------------------------|---|---|---|
| WO2012020911 A2 20120216 | KR20100077392; | LEE KWANG YEOL;UNIV KOREA RES & BUS FOUND; | B82B3/00; C01G45/02; | NOVEL MANGANESE OXIDE NANOPARTICLES, AND CONTRAST MEDIUM CONTAINING SAME |
| WO2012031238 A2 20120308 | US20100379925P; | LEE KYUNGHOOON;LEE SEUNGHYUN;UNIV MICHIGAN;ZHONG ZHAOHUI; | H01L21/205; C01B31/04; C23C16/44; C23C16/448; C23C16/26; | UNIFORM MULTILAYER GRAPHENE BY CHEMICAL VAPOR DEPOSITION |
| US2012138935 A1 20120607 | KR20100124283; | LEE YUL-KYU;PARK JONG-HYUN;PARK SUN;YOU CHUN-GI; | H01L33/16; | ORGANIC LIGHT-EMITTING DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME |
| EP2459656 A1 20120606 | DE200910035673;WO 2010EP04327; | LEIBNIZ INST NEUE MATERIALIEN; | C09D5/29; C09C3/06; C09D5/36; | METHOD FOR PRODUCING THIN FILMS AND THE APPLICATION THEREOF |
| EP2423162 A1 20120229 | EP20100173853; | LEIBNIZ INST POLYMERFORSCHUNG; | C01B31/02; | Fabrication of carbon nano- or microtubes by using a self-rolling process |
| DE102010040826 A1 20120315 | DE201010040826; | LEIBNIZ INST POLYMERFORSCHUNG; | C08J5/12; C08J7/04; | Immobilizing nanoparticles on thermoplastic surfaces, comprises introducing nanoparticles into matrix material, separating matrix material with nanoparticles and contacting softened and/or molten thermoplastic material with matrix material |
| US2012028791 A1 20120202 | SE20090050182;WO2 010SE50320; | LEIDEBORG MICHAEL;OESTERLUND LARS;WESTIN GUNNAR; | B01J21/06; B01J31/02; | Highly Reactive Photocatalytic Material and Manufacturing Thereof |
| WO2012035194 A1 20120322 | US20100882946; | LENTARIS GEORGIOS;NOKIA CORP;WHITE RICHARD; | H01L21/335; B82Y15/00; B03C5/00; H01L29/772; G01N27/447; C25D13/00; | AN APPARATUS AND ASSOCIATED METHODS |
| WO2012064972 A2 20120518 | US20100456680P; | LESEMAN ZAYD;LUHRS CLAUDIA;PHILLIPS JONATHAN;SOLIMAN HAYTHAM;STC UNM; | B82B3/00; B22F9/22; B22F9/18; | AEROSOL REDUCTION/EXPANSION SYNTHESIS (A-RES) FOR ZERO VALENT METAL PARTICLES |
| WO2012068177 A1 20120524 | US20100413968P; | LETTOW JOHN;SCHEFFER DAN;VORBECK | B05D5/12; | SECURITY DEVICES |

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|-----------------------------|--|-----------------------------|--|---|
| | | MATERIALS CORP; | | |
| US2012037952 A1 20120216 | TW20100127201; | LEXTAR ELECTRONICS CORP; | H01L33/30; | Light emitting diode with current blocking region |
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| US2012040244 A1 20120216 | KR20090111341;WO2 010KR08152; | LG CHEMICAL LTD; | H01B1/18; H01M4/13; | ANODE COMPOSITION FOR LITHIUM SECONDARY BATTERY AND LITHIUM SECONDARYBATTERY USING THE SAME |
| US2012000137 A1 20120105 | KR20100021004;KR20 110020559; | LG CHEMICAL LTD; | C09K3/14; C01F17/00; | CRYSTALLINE CERIUM OXIDE AND PREPARATION METHOD OF THE SAME |
| AT541811T T 20120215 | KR20050118346;WO2 006KR05165; | LG CHEMICAL LTD; | B82B3/00; | HERSTELLUNGSVERFAHREN FÜR KERNSCHALEN- NANOPARTIKEL |
| US2012128996 A1 20120524 | KR20080090376;KR20 090085338;WO2009K R05133; | LG CHEMICAL LTD; | H05K1/09; B22F9/18; H01B1/04; B32B3/00; H01B1/02; | METAL NANOBELT AND METHOD OF MANUFACTURING THE SAME, AND CONDUCTIVEINK COMPOSITION AND CONDUCTIVE FILM COMPRISING THE SAME |
| US2012027934 A1 20120202 | KR20090009287;KR20 100010860;WO2010K R00730; | LG CHEMICAL LTD; | B05D7/00; | METHOD FOR PREPARING CARBON-BASED PARTICLE/COOPER COMPOSITE MATERIAL |
| KR20120030482 A 20120328 | KR20120009025; | LG CHEMICAL LTD; | C01B31/02; B82B3/00; | METHOD FOR PREPARING CARBON NANOTUBE |
| US2012045594 A1 20120223 | KR20090017229;KR20 100017432;WO2010K R01261; | LG CHEMICAL LTD; | B32B23/04; B32B27/06; B32B9/04; B32B33/00; H01B1/20; B05D3/06; C09K19/58; | OUTSTANDINGLY ABRASION RESISTANT AND POLLUTION RESISTANT COATINGCOMPOSITION AND COATING FILM |
| US2012007028 A1 20120112 | KR20100021762;WO2 011KR01725; | LG CHEMICAL LTD; | H01B1/22; H01B1/24; B05D7/00; | POLYMER-SILICON COMPOSITE PARTICLES, METHOD OF MAKING THE SAME, ANDANODE AND LITHIUM SECONDARY BATTERY INCLUDING THE SAME |

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| US2012035294 A1 20120209 | KR20090064310;WO2 010KR04330; | LG CHEMICAL LTD; | C08L33/02; C08K3/34; C08J3/28; C08K3/22; | Process for Preparing Super Absorbent Polymers |
| US2012077087 A1 20120329 | KR20090031974;KR20 090042527;WO2009K R02622; | LG CHEMICAL LTD;UNIST ACADEMY IND RES CORP; | H01M4/38; H01M4/40; H01M4/48; H01B1/04; H01M4/44; H01M4/42; H01M4/46; H01M4/583; | NEGATIVE-ELECTRODE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM BATTERY |
| TW201207800 A 20120216 | KR20100053282; | LG DISPLAY CO LTD; | B05C5/00; H01L33/00; G09F9/35; G09F9/33; H01L21/027; | Imprinting apparatus and imprinting method using the same |
| TWI359320B B 20120301 | KR20050136172; | LG DISPLAY CO LTD; | G02F1/1337; | Liquid crystal display device having organic align |
| US2012026441 A1 20120202 | KR20050136172;US20 060385914;US201008 21090;US2011132537 69; | LG DISPLAY CO LTD; | C09K19/56; G02F1/1337; | LIQUID CRYSTAL DISPLAY DEVICE HAVING ORGANIC ALIGNMENT LAYER AND FABRICATION METHOD THEREOF |
| TWI361335B B 20120401 | KR20060036996; | LG DISPLAY CO LTD; | G03F7/035; G03F7/028; G03F7/004; G03F7/075; G02B5/20; | Resist composition, method for forming resist pattern using the same,array substrate fabricated using the same and method of fabricating the array substrate |
| US2012118868 A1 20120517 | KR20090009658;KR20 090077258;WO2010K R05041; | LG HAUSYS LTD; | B60L1/02; C01B31/00; | CARBON NANOTUBE-METAL PARTICLE COMPLEX COMPOSITION AND HEATED STEERINGWHEEL USING THE SAME |
| CN102471050 A 20120523 | KR20090077258;WO2 010KR05041; | LG HAUSYS LTD; | B62D1/04; B82B3/00; B62D1/06; C01B31/02; | Carbon nanotube/metal particle complex composition and heated steeringwheel using same |
| DE112010003312T T5 20120628 | KR20090077258;WO2 010KR05041; | LG HAUSYS LTD; | C01B31/02; B62D1/06; B82B3/00; B62D1/04; | Kohlenstoffnanoröhren-Metallteilchen Komplezzusammensetzung und beheiztes Lenkrad, das dieselbe verwendet |

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| US2012103410 A1 20120503 | KR20100106328; | LG INNOTEK CO LTD; | H01B1/02; H01B1/00; H01L31/0224; | CONDUCTIVE PASTE COMPOSITE |
| KR20120012343 A 20120209 | KR20100074433; | LG INNOTEK CO LTD; | C01B31/36; C04B35/565; | SILICON CARBIDE AND METHOD FOR MANUFACTURING THE SAME |
| WO2012006657 A1 20120119 | US20100364049P; | LI DAN;UNIV MONASH; | C01B31/00; B01J13/00; C01B31/04; | MATERIAL AND APPLICATIONS THEREFOR |
| IL195021 A 20120430 | WO2006US16730; | LI JIANG;LUKEHART CHARLES M;MOWLESERIC D;ZHONG WEI HONG; | H01L51/447; B82Y10/00; B82Y30/00; H01L27/301; H01L27/304; H01L51/0026; H01L51/0036; H01L51/0037; H01L51/0047; H01L51/0048; H01L51/0049; H01L51/424; H01L51/4253; H01L51/442; Y02E10/50 | ORGANIC OPTOELECTRONIC DEVICES AND APPLICATIONS THEREOF |
| US2012065299 A1 20120315 | US20040586688P;US 20050177481;US2011 13199279; | LI JIANG;LUKEHART CHARLES M;MOWLESERIC D;ZHONG WEI HONG; | C08L63/00; C07C51/60; C08K9/04; C08L77/00; C07C53/42; C08L23/02; C08L25/06; C07C53/128; C07C51/16; C07C231/02; C07C233/00; | Reactive graphitic carbon nanofiber reinforced polymeric composites |
| WO2012016296 A1 20120209 | AU20100903498; | LI QIN;UNIV CURTIN TECH;WANG FU; | C01B31/02; B82Y40/00; B82Y15/00; | METHODS FOR PREPARING CARBOGENIC NANOPARTICLES AND PHOTOLUMINESCENT CARBOGENIC NANOPARTICLES |
| WO2012009836 A1 20120126 | CN20101231522; | LI SIYUAN; | B44C5/00; C04B35/622; C04B35/48; | CERAMIC STAMP AND PREPARATION METHOD THEREOF |
| US2012148899 A1 20120614 | DE200910021230;WO 2010EP02638; | LI TEC BATTERY GMBH; | H01M6/02; H01M2/16; | ELECTROCHEMICAL CELL HAVING A SEPARATOR |

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| US2012141862 A1 20120607 | DE200910016772;WO 2010EP02069; | LI TEC BATTERY GMBH; | H01M2/16; H01M10/04; H01M2/18; | ELECTRODE GEOMETRY OF A GALVANIC CELL |
| US2012164491 A1 20120628 | DE200910015687;WO 2010EP00819; | LI TEC BATTERY GMBH; | H01M2/20; H01M10/50; H01M2/02; H01M10/42; H01M10/04; H01M2/16; H01M10/48; H01M2/30; | GALVANIC CELL HAVING RELEASABLE CONNECTING AREA |
| US2012021222 A1 20120126 | US20060772325P;US 20080278295;US2011 13249558;WO2007US 61862; | LIAN KUN;WU QINGLIN; | B05D1/00; B05D1/36; B32B5/16; B05D5/00; | Carbon-Encased Metal Nanoparticles and Sponges, Methods of Synthesis, and Methods of Use |
| US2012141308 A1 20120607 | US20100420624P;US 201113310848; | LIANG FEN;SAINI RAJESH K;STRIBLING DAVID M; | B29C43/02; C08L75/04; F04B47/00; | Polymeric Pump Parts |
| US2012126245 A1 20120524 | CN20101552318;WO2 011CN70687; | LIANG QINGQING;YIN HAIZHOU;ZHONG HUICAI; | H01L21/762; H01L29/12; H01L29/06; H01L29/16; | SHALLOW TRENCH ISOLATION STRUCTURE AND METHOD FOR FORMING THE SAME |
| CN102515248 A 20120627 | CN20111410729; | LIAONING UNIVERSITY OF TECHNOLOGY; | C01G9/02; B82Y40/00; | Method for preparing ZnO nano-rod array by pulse electromagnetic field |
| US2012114554 A1 20120510 | US20090225138P;US 201013383518;WO20 10US41797; | LIQUIDIA TECHNOLOGIES INC;UNIV NORTH CAROLINA; | A61K51/00; C08G65/08; B05B15/00; B32B5/16; C08G63/08; | Engineered Aerosol Particles, And Associated Methods |
| US2012153212 A1 20120621 | US20070016353P;US 20080341656;US2009 0287141P;US2010096 8999; | LIU J PING; | H01F1/055; H01F1/047; H01F1/00; H01F1/057; H01F1/20; H01F1/22; | Bulk Nanocomposite Magnets and Methods of Making Bulk Nanocomposite Magnets |
| KR20120059853 A 20120611 | KR20100121331; | LIU YE;WU DECHENG; | H01B1/04; B32B11/00; B32B27/06; B32B9/00; | Graphene substrate and method of fabricating the same |
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| CN102460447 A 20120516 | US20090173027P;WO 2010US32446; | LOCKHEED CORP; | G06F19/00; | Cnt-based resistive heating for deicing composite structures |
| CN102333645 A 20120125 | US20090155935P;US 20090157096P;US200 90168516P;US200901 69055P;US200901821 53P;US20090611070; WO2010US25658; | LOCKHEED CORP; | B32B9/00; | Cnt-infused glass fiber materials and process therefor |
| CN102388018 A 20120321 | US20090168502P;US 20090539578;WO201 0US21874; | LOCKHEED CORP; | B82B3/00; C07C317/00; B82B1/00; | Fiber sizing comprising nanoparticles |
| CN102333906 A 20120125 | US20090155935P;WO 2010US25668; | LOCKHEED CORP; | D01F9/12; C23C16/00; | Low temperature cnt growth using gas-preheat method |
| US2012100374 A1 20120426 | US20080097175P;US 20090512315;US2011 13335846; | LOCKHEED CORP; | B23K1/20; B22F9/16; B23K26/22; B32B5/16; B05D5/12; | METAL NANOPARTICLES AND METHODS FOR PRODUCING AND USING SAME |
| CN102388172 A 20120321 | US20090168526P;WO 2010US30621; | LOCKHEED CORP; | D01F9/12; | Method and apparatus for using a vertical furnace to infuse carbonnanotubes to fiber |
| CN102421704 A 20120418 | US20090174335P;WO 2010US32444; | LOCKHEED CORP; | C01B31/02; D01F9/127; | Method and system for close proximity catalysis for carbon nanotubesynthesis |
| US2012114521 A1 20120510 | US20080097175P;US 20090265326P;US200 90512315;US2010081 3463;US20111322841 1;US201161437556P; | LOCKHEED CORP; | C22C9/00; B22F9/20; | STABILIZED METAL NANOPARTICLES AND METHODS FOR PRODUCTION THEREOF |
| CN102341234 A 20120201 | US20090157096P;US 20090182153P;WO20 10US25654; | LOCKHEED CORP; | B32B9/00; | System and method for surface treatment and barrier coating of fibersfor in situ cnt growth |
| US2012035322 A1 20120209 | US20060829719P;US 20070872892;US2011 13279578; | LOGE GARY W; | C25B7/00; C08F6/00; | POLYNUCLEIC ACID-ATTACHED PARTICLES AND THEIR USE IN GENOMIC ANALYSIS |

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| US2012068071 A1 20120322 | US20100888260; | LOS ALAMOS NAT SECURITY LLC; | G01J5/02; C09K11/65; | FLUORESCENT SINGLE WALLED NANOTUBE/SILICA COMPOSITE MATERIALS |
| US2012088187 A1 20120412 | US20100390380P;US 201113267579; | LOS ALAMOS NAT SECURITY LLC; | B01J31/26; B05D5/12; B01J31/06; B01J31/38; H01M4/90; | NON-PRECIOUS FUEL CELL CATALYSTS COMPRISING POLYANILINE |
| US2012160366 A1 20120628 | US20080150813;US20 1213412339; | LOS ALAMOS NAT SECURITY LLC; | B65B1/04; | SEPARATION OF CARBON NANOTUBES INTO CHIRALLY ENRICHED FRACTIONS |
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| US2012156499 A1 20120621 | US20090163145P;US 201013259320;WO20 10US28704; | LOUISIANA TECH UNIVERSITY RES FOUNDATION A DIVISIONOF LOUISIANA TECH UNIV FOUNDATION;UNIV NORTHWESTERN; | B29B9/12; B32B15/02; | STABLE POLYELECTROLYTE COATED NANOPARTICLES |
| US8182782 B1 20120522 | US20000680291;US20 020269743; | LOUTFY RAOUF O;MORAVSKY ALEXANDER P; | D01F9/127; C01B31/02; H01J9/02; D01C5/00; | Methods for production of double-walled carbon nanotubes |
| US2012000694 A1 20120105 | KR20100030232;WO2 010KR05650; | LS CABLE & SYSTEM LTD; | H01B3/30; C08K3/22; C08L23/06; | INSULATION MATERIAL COMPOSITION FOR DC POWER CABLE AND THE DC POWERCABLE USING THE SAME |
| KR20120007472 A 20120120 | KR20100067958;KR20 110005809; | LTC CO LTD; | B82Y30/00; H01L31/042; B82B3/00; C01G25/02; | INORGANIC SCATTERING FILMS HAVING HIGH LIGHT EXTRACTION PERFORMANCE |
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| US2012115325 A1 20120510 | US20100410285P;US 201113244009;US201 161438497P;US20116 1438914P; | LU VICTOR;NA JEONG SEOK;PARK KIE JIN; | H01L21/768; B05C11/00; | ION-INDUCED ATOMIC LAYER DEPOSITION OF TANTALUM |
| US2012050732 A1 20120301 | US20100377082P;US 201113214176; | LU WEIXING;ROBERTS ALLAN; | B05D3/00; G01J3/44; B05D1/36; | SENSOR SYSTEM WITH PLASMONIC NANO- ANTENNA ARRAY |
| AU2010284136 A1 20120308 | US20090235806P;WO 2010US46071; | LUBRIZOL ADVANCED MAT INC; | C08J5/00; C08K3/26; | Hydrolytically stable polyurethane nanocomposites |
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| US2012154980 A1 20120621 | US20090261869P;US 20100948636; | LUMIMOVE INC D B A CROSSLINK; | H01G9/155; H01G9/058; H01B1/24; | CONDUCTIVE POLYMER COMPOSITES |
| US2012123026 A1 20120517 | US20010331312P;US 20020293260;US2007 0621209;US20080119 203; | LUMINEX CORP; | C07C243/28; C07C381/02; C12N11/06; C07K17/00; C07D251/38; G01N33/547; C07K1/10; C07C325/02; C07C303/32; C07C303/22; C12N15/09; C07C319/22; C07K1/04; C12M1/00; C07C319/16; C07D201/00; C07D239/48; C07D241/36; | FUNCTIONALIZED COMPOSITIONS FOR IMPROVED IMMOBILIZATION |
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| US2012063983 A1 20120315 | US20100879959; | MALAXIT LTD;POLYMATE LTD; | C01B21/064; | Method for Synthesis of Boron Nitride Nanopowder |
| AT544566T T 20120215 | US20070908200P;WO 2008SE50348; | MALISAUSKAS MANTAS;MOROZOVA- ROCHE LUDMILLA; | C01G5/00; C30B29/02; B28B3/00; C30B7/00; C30B29/60; C07K14/47; | VERFAHREN ZUR HERSTELLUNG VON Dünne METALLNANODR-HTE DURCHBIOTEMPLATING |
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| US2012125154 A1 20120524 | US20090182024P;US 201113301447;WO20 10US36469; | MANTHIRAM ARUMUGAM;YOON SUKEUN; | B02C17/00; B22F1/00; | NOVEL COMPOSITE ANODE MATERIALS FOR LITHIUM ION BATTERIES |
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| EP2421022 A2 20120222 | GB20100013861; | MANTIS DEPOSITION LTD; | H01J37/317; H01J37/08; H01J37/34; C23C14/35; B82Y20/00; B82Y40/00; | Production of nanoparticles |

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| CN102522300 A 20120627 | NL20082001896;US20 080089744P; | MAPPER LITHOGRAPHY IP BV; | H01J37/20; B82Y10/00; H01J37/317; H01J37/26; | Charged particle beam lithography system and target positioning device |
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| KR20120035151 A 20120413 | NL20091036912;US20 090173638P; | MAPPER LITHOGRAPHY IP BV; | H01J37/317; H01J37/22; H01J37/147; | CHARGED PARTICLE OPTICAL SYSTEM COMPRISING AN ELECTROSTATIC DEFLECTOR |
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| AT538412T T 20120115 | US20020421464P;WO 2003NL00725; | MAPPER LITHOGRAPHY IP BV; | H01J37/317; G03F7/20; | LITHOGRAPHISCHES SYSTEM |

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| US2012145931 A1 20120614 | US20100406675P;US 201113281558;US201 161477228P;US20116 1479263P; | MAPPER LITHOGRAPHY IP BV; | H01J3/26; B32B37/12; B01J19/08; | LITHOGRAPHY SYSTEM, MODULATION DEVICE AND METHOD OF MANUFACTURING AFIBER FIXATION SUBSTRATE |
| CN102414775 A 20120411 | US20090154415P;US 20090289407P;US201 00306333P;WO2010E P52218; | MAPPER LITHOGRAPHY IP BV; | H01J37/16; H01J37/18; H01J37/317; H01L21/00; H01L21/677; | Method and arrangement for realizing vacuum in vacuum chamber |
| CN102460632 A 20120516 | US20090179760P;WO 2010IB52177; | MAPPER LITHOGRAPHY IP BV; | H01J37/317; | Method of generating a two-level pattern for lithographic processing and pattern generator using the same |
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| EP2433294 A1 20120328 | US20090179760P;WO 2010IB52177; | MAPPER LITHOGRAPHY IP BV; | H01J37/317; | METHOD OF GENERATING A TWO-LEVEL PATTERN FOR LITHOGRAPHIC PROCESSING AND PATTERN GENERATOR USING THE SAME |
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| KR20120030438 A 20120328 | US20090179760P;US 20090179765P;US200 90257122P; | MAPPER LITHOGRAPHY IP BV; | H01J37/317; | PATTERN DATA CONVERSION FOR LITHOGRAPHY SYSTEM |
| EP2443647 A2 20120425 | US20090179760P;US 20090179765P;US200 90257122P;WO2010IB | MAPPER LITHOGRAPHY IP BV; | H01J37/317; | PATTERN DATA CONVERSION FOR LITHOGRAPHY SYSTEM |

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| EP2402979 A2 20120104 | EP20090733141;US20 080045243P; | MAPPER LITHOGRAPHY IP BV; | H01J37/317; B82Y10/00; H01J37/30; | Projection lens arrangement |
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| US2012164185 A1 20120628 | US201061427642P;U S201113339029; | MARKMAN BARRY; | A61P3/02; A61K9/00; | ORAL NUTRIENT OR MEDICANT CARRIER HAVING INCREASED SURFACE AREA AND ABSORPTION RATE |
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| US2012135080 A1 20120531 | US20100410695P;US 201113289515; | MASSACHUSETTS INST TECHNOLOGY; | B03C1/02; H01F1/42; H01F1/01; A01N47/44; A01P1/00; B03C1/01; A01N25/26; B01D35/06; B29B9/12; | Core-Shell Magnetic Particles and Related Methods |
| US2012134071 A1 20120531 | US20100956131; | MASSACHUSETTS INST TECHNOLOGY; | H01G9/155; | ELECTROCHEMICAL DOUBLE-LAYER CAPACITOR USING NANOTUBE ELECTRODESTRUCTURES |
| US2012009390 A1 20120112 | US20100361978P;US 20100885051; | MASSACHUSETTS INST TECHNOLOGY; | H01L21/469; G03F1/50; H01L21/31; | GUIDED SELF-ASSEMBLY OF BLOCK COPOLYMER LINE STRUCTURES FOR INTEGRATED CIRCUIT INTERCONNECTS |
| US2012142795 A1 20120607 | US20100960611; | MASSACHUSETTS INST TECHNOLOGY; | C08J9/00; C08G63/00; C08G64/06; | HIERARCHICAL THERMOPLASTIC SURFACE TEXTURES FORMED BY PHASETRANSFORMATION AND METHODS OF MAKING |
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| CN102356131 A 20120215 | DE200910013430;DE2 00910056093;WO201 0EP01232; | MERCK PATENT GMBH; | C09C3/10; C09C3/08; C09C1/36; | Pigment for laser marking |
| EP2408865 A1 20120125 | DE200910013430;DE2 00910056093;WO201 0EP01232; | MERCK PATENT GMBH; | C09C1/36; C09C3/10; C09C3/08; | PIGMENT FOR LASER MARKING |
| CN102439068 A 20120502 | US20090170063P;WO 2010US30990; | MERCK PATENT GMBH; | B82B3/00; C08G77/08; | Synthesis of silicon nanorods |
| KR20120013989 A 20120215 | US20090170063P;WO 2010US30990; | MERCK PATENT GMBH; | B82B3/00; C01B33/021; | SYNTHESIS OF SILICON NANORODS |
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| SG178823 A1 20120530 | WO2010JP64556; | MEYER ANDREAS;SCHULZ- HARDER JUERGEN; | B22F1/0022; B22F9/24; B82Y30/00; C22C5/06 | LOW-TEMPERATURE SINTERED SILVER NANOPARTICLE COMPOSITION ANDELECTRONIC ARTICLES FORMED USINGK THE SAME |

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| US2012100339 A1 20120426 | AU20080905211;WO2 009NZ00214; | MFG SYSTEMS LTD; | B29C69/02; B29C43/34; B32B3/00; B29C43/00; B29C43/22; B29C43/52; | FORMING METHODS |
| CN102317776 A 20120111 | KR20080082507;WO2 009KR04685; | MI TECH CO LTD;UNIV SUNGKYUNKWAN; | G01N33/50; | Method for increasing sensitivity using linker and spacer in carbonnanotube-based biosensor |
| US2012028267 A1 20120202 | KR20080082507;WO2 009KR04685; | MI TECH CO LTD;UNIV SUNGKYUNKWAN; | C07K16/00; C07H1/00; G01N27/00; C12N9/99; C07H99/00; C07K2/00; C07K14/00; C07K1/107; | METHOD FOR INCREASING SENSITIVITY USING LINKER AND SPACER IN CARBONNANOTUBE-BASED BIOSENSOR |
| US2012003146 A1 20120105 | US20100830180; | MICROBES UNLTD LLC; | B01J21/08; C01B3/02; B01J21/06; B01J8/02; | NATURALLY-OCCURRING NANOMATRIX BIOMATERIALS AS CATALYSTS |
| US2012064188 A1 20120315 | US20050645714P;US 20080814175;US2011 13302098;WO2006US 02060; | MICROCONTINUUM INC; | C25B9/00; C25B15/00; B28B21/42; | Replication Tools and Related Fabrication Methods and Apparatus |
| US2012052662 A1 20120301 | US20080062405;US20 1113290648; | MICRON TECHNOLOGY INC; | B02C23/36; | METHOD FOR PURIFICATION OF SEMICONDUCTING SINGLE WALL NANOTUBES |
| US2012108037 A1 20120503 | US20080204510;US20 100909665;US201213 347919; | MICRON TECHNOLOGY INC; | H01L21/365; | METHODS OF FORMING A PHASE CHANGE MATERIAL |
| US2012088348 A1 20120412 | US20040903295;US20 1113330973; | MICRON TECHNOLOGY INC; | H01L21/02; | Methods of Forming Patterns in Semiconductor Constructions, Methods of Forming Container Capacitors, and Methods of Forming Reticles Configured for Imprint Lithography |
| US2012045891 A1 20120223 | US20100755672;US20 1113288609; | MICRON TECHNOLOGY INC; | H01L21/4763; H01L21/3205; | Methods Of Forming Patterns, And Methods Of Forming Integrated Circuits |
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| US2012121349 A1 20120517 | SE20070002184;US20 070976502P;US20080 680367;WO2008SE51 090; | MIHIC PETER;MIHIC RAGNHILD; | C23C16/513; B32B15/04; B32B9/04; C23C16/40; B23B27/00; B23Q11/00; C23C16/44; C04B35/58; C23C14/35; C23C16/06; C23C14/06; C23C16/34; B23B29/02; | NEW PRODUCT AND METHOD FOR ITS MANUFACTURE WITHIN MATERIAL PROCESSING |
| US2012141543 A1 20120607 | US20070884582P;US 20080972886; | MIKOS ANTONIOS G;SHIXINFENG;SITHARA MAN BALAJI;WILSON LON J; | A61K9/00; A61P19/00; A61K31/765; | Carbon Nanotube Based Nanocomposites |
| US2012164063 A1 20120628 | US20070920659P;US 20080080011;US2012 13414300; | MILEY GEORGE H;YANG XIAOLING; | C01B4/00; B01J19/00; C01B3/02; | DISLOCATION SITE DENSITY TECHNIQUES |
| CN102352185 A 20120215 | US20060582763; | MILLENNIUM INORGANIC CHEM; | C09D183/04; C09D125/04; C09D5/16; C09D7/12; C09D125/08; C09D125/16; C09D125/06; | Photocatalytically active polysiloxane coating compositions |
| WO2012044382 A1 20120405 | US20100893010;US20 100893021;US201008 93028;US2010089303 0;US20100893035;US 20100893041;US2010 0893046; | MILLIKEN & CO;SCRIVENS WALTER A;ZHOU HAO; | D04H1/4382; B82Y30/00; | PROCESS OF FORMING NANO-COMPOSITES AND NANO-POROUS NON-WOVENS |
| US2012091072 A1 20120419 | US20090210468P;US 201013257501;WO20 10US00826; | MILLIPORE CORP; | B29C47/00; B01D39/18; B01D39/14; B01D37/00; B01D39/16; | REMOVAL OF MICROORGANISMS FROM FLUID SAMPLES USING NANOFIBERFILTRATION MEDIA |
| US2012082822 A1 20120405 | US20070765232;US20 1113324216; | MILLWARD DAN B; | B05D3/00; B05D5/00; B32B3/02; B05D3/02; B32B3/10; C23F1/02; B32B3/18; | Crosslinkable Graft Polymer Non-Preferentially Wetted by Polystyreneand Polyethylene Oxide |

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| US2012138570 A1 20120607 | US20080114173;US20 1213396039; | MILLWARD DAN B;WESTMORELAND DONALD; | B32B3/10; C23F1/00; | Graphoepitaxial Self-Assembly of Arrays of Downward Facing Half-Cylinders |
| WO2012070924 A1 20120531 | MY2010PI05541; | MIMOS BERHAD;SHENG DANIEL BIEN CHIA;SHIH TEH AUN; | B82Y40/00; B82B3/00; | A METHOD FOR NANOWIRES AND NANOTUBES GROWTH |
| WO2012064177 A1 20120518 | MY2010PI05301; | MIMOS BERHAD;SHENG DANIEL BIEN CHIA;SHIH TEH AUN; | B01D67/00; G01N27/40; B01D69/12; B82Y40/00; | NANOPOROUS MEMBRANE AND METHOD OF FORMING THEREOF |
| WO2012081961 A1 20120621 | MY2010PI00096; | MIMOS BERHAD;SRIRANGARAJA N AARTI;TIAN LIM HOE; | H01L29/12; B82Y15/00; G01N27/04; H01L21/00; B05D5/12; G01N27/26; B82Y40/00; | CHEMICAL RESISTIVE GAS SENSOR FOR HYDROGEN SULPHIDE |
| CN102491414 A 20120613 | CN20111387310; | MIN YAO; | B82Y40/00; B01J21/06; C01G23/053; | Preparation method of titanium dioxide (TiO ₂) photocatalyst |
| JP2012062391 A 20120329 | JP20100206967; | MIN YOUNG HYE; | C08J9/04; C08J3/20; | METHOD FOR PRODUCING NEOPRENE CONTAINING CARBON NANOTUBE |
| US2012065288 A1 20120315 | JP20100206967; | MIN YOUNG HYE; | C08J9/00; | METHOD OF MANUFACTURING NEOPRENE CONTAINING CARBON NANOTUBE |
| ES2373897 A1 20120210 | ES20100031196; | MINERA CATALANO ARAGONESA SA; | C09D11/02; B22F9/24; B82Y30/00; | PROCEDIMIENTO DE PRODUCCION DE UNA SUSPENSION METALICA PARA IMPRESION DE ELEMENTOS CERAMICOS. |
| AT549415T T 20120315 | GB20010006635;GB2 0010018879;WO2002 GB01245; | MIR KALIM; | C12Q1/68; B01J19/00; | ARRAYS UND VERFAHREN ZUR DEREN VERWENDUNG |
| EP2465943 A2 20120620 | EP20020714323;GB20 010006635;GB200100 18879; | MIR KALIM; | B82Y10/00; B01J19/00; C12Q1/68; B82Y30/00; | Linear polymer display |

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| JP2012112088 A 20120614 | JP20100246416;JP20 110235912; | MITSUBIHI MATERIALS ELECTRONIC CHEMICALS COLTD;MITSUBISHI MATERIALS CORP; | B82Y30/00; C09D5/24; C09D17/00; D01F9/127; C09D201/00; C09C1/44; H01B1/24; H01B5/14; C01B31/02; C09D7/12; | CARBON NANOFIBER DISPERSION LIQUID, AND COATING COMPOSITION AND PASTECOMPOSITION |
| EP2466671 A2 20120620 | EP20080829308;JP20 070229205;JP200801 19939; | MITSUBISHI CHEM CORP; | H01M4/50; H01M10/36; H01M10/0525; H01M10/052; C01G53/00; H01M4/58; H01M4/52; H01M4/505; B82Y30/00; H01M4/525; | Lithium transition metal-based compound powder, method for manufacturing the same, spray-dried substance serving as firing precursor thereof, and lithium secondary battery positive electrode and lithium secondary battery using the same |
| EP2441885 A1 20120418 | JP20090140697;WO2 010JP59976; | MITSUBISHI CHEM CORP; | D06M13/152; D01F2/00; C08L1/08; D21H11/20; D06M13/184; D06M13/395; C08K7/02; C08B11/16; | MODIFIED CELLULOSE FIBER AND CELLULOSE COMPLEX COMPRISING SAME |
| US2012125547 A1 20120524 | JP20090140697;WO2 010JP59976; | MITSUBISHI CHEM CORP; | D02G3/08; D21F11/00; D21C9/00; C08B3/06; | MODIFIED CELLULOSE FIBERS AND CELLULOSE COMPOSITE THEREOF |
| US2012064403 A1 20120315 | JP20090079950;WO2 010JP55423; | MITSUBISHI CHEM CORP; | H01M4/583; H01M4/64; | NEGATIVE ELECTRODE MATERIAL FOR NONAQUEOUS ELECTROLYTE SECONDARYBATTERY, AND NONAQUEOUS ELECTROLYTE SECONDARY BATTERY USING THE SAME |
| US8101149 B1 20120124 | US19900575254;US19 900580246;US199504 71890; | MITSUBISHI CORP; | C01B31/00; C01B31/02; B82B1/00; | Form of carbon |

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| US2012142836 A1 20120607 | JP20090175196;JP20 100029291;WO2010J P61708; | MITSUBISHI GAS CHEMICAL CO; | H01B1/04; C08K5/56; | INSULATED ULTRAFINE POWDER, METHOD FOR PRODUCING SAME, AND HIGH DIELECTRIC CONSTANT RESIN COMPOSITE MATERIAL |
| US2012087839 A1 20120412 | JP20060054811;US20 070705601;US201113 273390; | MITSUBISHI HEAVY IND LTD; | B01D53/86; | EXHAUST GAS TREATMENT SYSTEM |
| JP2012091953 A 20120517 | JP20100239442; | MITSUBISHI MAT ELECT CHEM CO; MITSUBISHI MATERIALS CORP; | H01B1/20; H01B13/00; H01B5/14; C01G15/00; C01G19/00; H01B1/08; | INDIUM TIN OXIDE POWDER AND METHOD FOR PRODUCING THE SAME |
| WO2012057053 A1 20120503 | JP20100239442; | MITSUBISHI MAT ELECT CHEM CO; MITSUBISHI MATERIALS CORP; SHIRAISHI SHINYA; TAKENOSHITA AI; UMEDA HIROTOSHI; | H01B1/20; H01B5/14; H01B13/00; H01B1/08; C01G15/00; C01G19/00; | INDIUM TIN OXIDE POWDER, METHOD FOR PRODUCING SAME, DISPERSION, PAINT, AND FUNCTIONAL THIN FILM |
| JP2012015505 A 20120119 | EP20100305716; | MITSUBISHI MATERIALS CORP; | H01G4/33; H01G4/12; | MANUFACTURING METHOD OF THIN FILM CAPACITOR AND THIN FILM CAPACITOR MANUFACTURED THEREBY |
| CN102315025 A 20120111 | EP20100305716; | MITSUBISHI MATERIALS CORP; ST MICROELECTRONICS TOURS SAS; | H01G4/14; H01G4/06; H01G4/33; H01G4/005; | Method for manufacturing thin film capacitor and thin film capacitor obtained by the same |
| US2012001298 A1 20120105 | EP20100305716; | MITSUBISHI MATERIALS CORP; ST MICROELECTRONICS TOURS SAS; | H01L29/92; H01L21/02; | Method for manufacturing thin film capacitor and thin film capacitor obtained by the same |

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| US2012028789 A1 20120202 | JP20090011590;JP20 090118945;JP200901 41397;JP2009016933 8;JP20090291476;US 201113188647;US201 113189858;WO2010J P50737; | MITSUBISHI PLASTICS INC; | B01J29/85; | CATALYST FOR REDUCING NITROGEN OXIDES AND METHOD FOR PRODUCING THE SAME |
| US2012020875 A1 20120126 | JP20090011590;JP20 090118945;JP200901 41397;JP2009016933 8;JP20090291476;WO 2010JP50737; | MITSUBISHI PLASTICS INC; | B01J29/85; C01B39/54; B01D53/94; | CATALYST FOR REDUCING NITROGEN OXIDES AND METHOD FOR PRODUCING THE SAME |
| TW201210852 A 20120316 | JP20100167139; | MITSUBISHI RAYON CO; | B82Y30/00; B41N1/24; B41N3/03; | Apparatus for manufacturing mold for nanoimprinting and method of manufacturing mold for nanoimprinting |
| US2012077911 A1 20120329 | JP20090137288;JP20 090137291;JP200902 63122;JP2009026312 3;JP20100064622;WO 2010JP03801; | MITSUBISHI RAYON CO; | C08K3/36; C09D139/04; C08K5/52; | AQUEOUS COATING MATERIAL AND PAINTED ARTICLE |
| JP2012030597 A 20120216 | JP20100081617;JP20 110193030; | MITSUBISHI RAYON CO; | B29C35/08; B82Y30/00; B32B7/02; G02B5/22; G02B1/11; B32B37/00; B82Y20/00; B32B27/18; B32B3/30; | LAMINATE, AND PRODUCING METHOD FOR THE SAME |
| CN102334177 A 20120125 | JP20090046122;WO2 010JP01271; | MITSUI CHEMICALS INC; | H01L21/027; C08G61/08; | Transfer body and method for producing the same |
| US2012080825 A1 20120405 | JP20100223172; | MITSUI SOICHIRO; | B29C59/16; B29C63/48; | IMPRINTING LITHOGRAPHY APPARATUS AND IMPRINTING LITHOGRAPHY METHOD |

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| WO2012018043 A1 20120209 | JP20100177600; | MIZAWA TAKEHIDE;SOKEN KAGAKU KK;UEHARA SATOSHI; | H01L21/027; B29C59/02; B29C33/40; | RESIN MOLD FOR NANOIMPRINTING |
| WO2012018045 A1 20120209 | JP20100177601; | MIZAWA TAKEHIDE;SOKEN KAGAKU KK;UEHARA SATOSHI; | B29C33/58; B29C33/40; B29C59/02; H01L21/027; | RESIN MOLD, PRODUCTION METHOD THEREOF, AND USE THEREOF |
| WO2012018048 A1 20120209 | JP20100177602; | MIZAWA TAKEHIDE;SOKEN KAGAKU KK;YAMADA HIROKO; | B29C33/56; H01L21/027; B29C33/40; B29C59/02; | RESIN MOLD FOR NANOIMPRINTING AND MANUFACTURING METHOD THEREOF |
| US2012164231 A1 20120628 | US20090236810P;US 201013322757;WO20 10US46417; | MIZUKAMI HIROSHI;OSTAFIN AGNES; | A61K38/42; A61P7/08; B29B9/00; A61K31/02; A61K9/14; | Synthesis Of Oxygen Carrying, Turbulence Resistant, High DensitySubmicron Particulates |
| WO2012071655 A1 20120607 | US20100417733P; | MOHAMMADPOUR ARASH;SHANKAR KARTHIK;UNIV ALBERTA; | C25D11/02; B82Y30/00; C01G23/047; | MULTIPODAL NANOTUBES AND PROCESS FOR MAKING SAME |
| EP2413189 A1 20120201 | EP20060804074;US20 050292568;US200503 03777; | MOLECULAR IMPRINTS INC; | B41F1/00; G03F1/92; B29C59/02; B29C69/00; G03F7/00; B29C43/00; B41F19/00; | A method for spreading a conformable material between a substrate anda template |
| KR20120044362 A 20120507 | US20090231182P;US 20100846211; | MOLECULAR IMPRINTS INC; | G03F7/00; | ADJACENT FIELD ALIGNMENT |

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| AT556357T T 20120515 | US20070951002P;US 20080175258;WO200 8US08817; | MOLECULAR IMPRINTS INC; | G03F7/00; | AUSRICHTUNGSSYSTEM UND -VERFAHREN FÜR EIN SUBSTRAT IN EINEM NANODRUCKVERFAHREN |
| KR20120039552 A 20120425 | US20090222794P;US 20100828498; | MOLECULAR IMPRINTS INC; | G03F7/00; | CHUCKING SYSTEM WITH RECESSED SUPPORT FEATURE |
| EP2449428 A2 20120509 | US20090222794P;US 20100828498;WO201 0US01889; | MOLECULAR IMPRINTS INC; | G03F7/00; | CHUCKING SYSTEM WITH RECESSED SUPPORT FEATURE |
| AT549743T T 20120315 | US20020293224;US20 020316963; | MOLECULAR IMPRINTS INC; | H01L21/68; G03F7/20; B81C99/00; G03F7/00; B25B11/00; G03B27/62; | EIN LITHOGRAPHIESYSTEM MIT EINEM HALTERUNGSSYSTEM |
| AT540427T T 20120115 | US20020293224;US20 020316963; | MOLECULAR IMPRINTS INC; | B25B11/00; B81C99/00; H01L21/68; G03F7/00; G03F7/20; G03B27/62; | EIN VERFAHREN UM FORMEN VON SUBSTRATEN ZU MODULIEREN |
| TW201222668 A 20120601 | US20100362573P; | MOLECULAR IMPRINTS INC; | H01L21/324; H01L21/316; | Enhanced densification of silicon oxide layers |
| WO2012006521 A1 20120112 | US20100362573P;US 201113178057; | MOLECULAR IMPRINTS INC; | H01L21/316; G03F7/00; | ENHANCED DENSIFICATION OF SILICON OXIDE LAYERS |
| US2012009413 A1 20120112 | US20100362573P;US 201113178057; | MOLECULAR IMPRINTS INC; | B05D3/00; B28B3/00; B32B3/26; H01L21/312; B05D3/12; B05D5/00; | ENHANCED DENSIFICATION OF SILICON OXIDE LAYERS |
| TW201220360 A 20120516 | US20100385993P; | MOLECULAR IMPRINTS INC; | B82Y40/00; B82B3/00; H01L21/027; | High contrast alignment marks through multiple stage imprinting |
| EP2418544 A2 20120215 | EP20030810066;US20 020318365; | MOLECULAR IMPRINTS INC; | G01M99/00; G01N19/00; B29C41/52; B81C99/00; G03F7/00; G01N21/00; H01L21/027; | Method and system for determining characteristics of substrates employing fluid geometries |
| JP2012094901 A 20120517 | US20050292568;US20 050303777; | MOLECULAR IMPRINTS INC; | H01L21/027; B29C59/02; G03F1/92; | METHOD FOR SEPARATING MOLD FROM SOLIDIFIED IMPRINTING MATERIAL |

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| TWI360835B B 20120321 | US20060788808P; | MOLECULAR IMPRINTS INC; | G03F1/00; H01L21/027; | Residual layer thickness measurement and correctio |
| US2012111832 A1 20120510 | US20080027150P;US 20090367661;US2012 13352824; | MOLECULAR IMPRINTS INC; | B44C1/22; C23F1/02; | Template Pillar Formation |
| US2012070572 A1 20120322 | US20100380760P;US 201113228298; | MOLECULAR IMPRINTS INC; | C23C16/448; B05D5/10; | Vapor Delivery System For Use in Imprint Lithography |
| WO2012033943 A2 20120315 | US20100380760P; | MOLECULAR IMPRINTS INC; | B29C33/04; B29C33/38; B29C33/42; | VAPOR DELIVERY SYSTEM FOR USE IN IMPRINT LITHOGRAPHY |
| TWI358608B B 20120221 | US20030463396; | MOLECULAR IMPRINTS INC;UNIV TEXAS; | G03F7/00; B29C59/00; | Method to reduce adhesion between a conformable re |
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| HK1106275 A1 20120427 | GB20040009877;WO2 005GB01611; | NANOCO TECHNOLOGIES LTD; | C30B29/48; C30B7/14; C01B19/00; C30B7/00; C30B29/60; | PREPARATION OF NANOPARTICLE MATERIALS |
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| KR20120061083 A 20120612 | US20090225530P;US 20100314498P;WO20 10US41864; | NANOINK INC; | G03F7/00; | METHODS FOR FORMING HYDROGELS ON SURFACES AND ARTICLES FORMED THEREBY |
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| CN102438939 A 20120502 | JP20090125016;JP20 100084753;WO2010J P58770; | NAT INST FOR MATERIALS SCIENCE; | B22F1/00; C01B3/08; B22F1/02; B22F9/12; | Hydrogen generating material, method for producing same, method forproducing hydrogen, and apparatus for producing hydrogen |
| EP2436644 A1 20120404 | JP20090125016;JP20 100084753;WO2010J P58770; | NAT INST FOR MATERIALS SCIENCE; | B22F9/12; C01B3/08; B22F1/02; B22F1/00; | HYDROGEN GENERATING MATERIAL, METHOD FOR PRODUCING SAME, METHOD FORPRODUCING HYDROGEN, AND APPARATUS FOR PRODUCING HYDROGEN |
| DE112009002392T T5 20120119 | JP20080261875;WO2 009JP67516; | NAT INST FOR MATERIALS SCIENCE; | C01B31/04; | Mit Graphen beschichtetes Element und Verfahren zum Herstellendesselben |
| US2012055877 A1 20120308 | JP20090180267;WO2 010JP57364; | NAT INST FOR MATERIALS SCIENCE; | B01D61/00; B01D63/00; | ORGANIC POLYMERS-SEPARATION MEMBRANE FILTER, AND ORGANICPOLYMERS-SEPARATION METHOD |
| US2012083409 A1 20120405 | JP20090021457;WO2 010JP51256; | NAT INST FOR MATERIALS SCIENCE;PIONEER CORP; | B01J21/06; | TIO2 NANOPARTICLES |
| US2012052396 A1 20120301 | JP20080307276;WO2 009JP07634; | NAT INST FOR MATERIALS SCIENCE;TOYOTA MOTOR CO LTD; | H01M4/36; H01M10/02; | ALL-SOLID BATTERY |
| JP2012069946 A 20120405 | JP20110205333; | NAT INST INF & COMM TECH; | B82Y40/00; H01L29/06; H01L45/00; H01L29/786; B82Y30/00; | NON-CONDUCTIVE NANOWIRE AND MANUFACTURING METHOD THEREFOR |
| US2012142808 A1 20120607 | JP20090186886;JP20 100039448;WO2010J P62430; | NAT INST OF ADVANCED IND SCIEN; | C08J3/28; C08K3/22; | Aggregate of Spherical Core-Shell Cerium Oxide/Polymer HybridNanoparticles and Method for Producing the Same |
| KR20120064666 A 20120619 | JP20090186886;JP20 100039448; | NAT INST OF ADVANCED IND SCIEN; | C08K9/04; C01F17/00; C09D11/00; C08L101/00; | AGGREGATE OF SPHERICAL CORE-SHELL CERIUM OXIDE/POLYMER HYBRIDNANOPARTICLES AND METHOD FOR PRODUCING THE SAME |

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| AT543880T T 20120215 | JP20080335260; | NAT INST OF ADVANCED IND SCIEN; | C01F17/00; C09C1/00; | HERSTELLUNGSVERFAHREN FÜR HYBRIDE CERIUM-POLYMER- NANOPARTIKEL VOMKERN-SCHALEN-TYP UND DISPERSIONSSOLE DAVON |
| JP2012036041 A 20120223 | JP20100177895; | NAT INST OF ADVANCED IND SCIEN; | B01J20/24; B01J20/34; C01B31/02; | LOW-COST METHOD FOR SEPARATING CARBON NANOTUBES, SEPARATION MATERIAL,AND SEPARATION VESSEL |
| JP2012072015 A 20120412 | JP20100217848; | NAT INST OF ADVANCED IND SCIEN; | C01C3/08; B82B3/00; B82B1/00; | METAL COMPLEX NANOPARTICLE AND METHOD FOR PRODUCING THE SAME |
| US2012077037 A1 20120329 | JP20100217848; | NAT INST OF ADVANCED IND SCIEN; | C01C3/11; C01C3/12; B32B5/16; C09K9/00; | METAL COMPLEX NANOPARTICLES AND METHOD FOR PRODUCING THE SAME |
| CN102459074 A 20120516 | JP20090144723;WO2 010JP60319; | NAT INST OF ADVANCED IND SCIEN; | B01J23/70; C01B31/02; | Method for producing carbon nanotube assembly having high specific surface area |
| EP2444370 A1 20120425 | JP20090144723;WO2 010JP60319; | NAT INST OF ADVANCED IND SCIEN; | C01B31/02; B01J23/70; | METHOD FOR PRODUCING CARBON NANOTUBE ASSEMBLY HAVING HIGH SPECIFIC SURFACE AREA |
| CN102448884 A 20120509 | JP20090147055;WO2 010JP60209; | NAT INST OF ADVANCED IND SCIEN; | C08L77/00; C01B33/40; C08L79/08; C08J5/18; C09C3/12; C08K9/06; C09C1/42; | Moisture-proof film for electronic devices |
| EP2444374 A1 20120425 | JP20090147055;WO2 010JP60209; | NAT INST OF ADVANCED IND SCIEN; | C08L79/08; C08J5/18; C08L77/00; C09C1/42; C01B33/40; C09C3/12; C08K9/06; | MOISTURE-PROOF FILM FOR ELECTRONIC DEVICES |
| JP2012040878 A 20120301 | JP20060335311;JP20 110202998; | NAT INST OF ADVANCED IND SCIEN; | B82Y40/00; B29C33/38; B82Y30/00; B29C33/42; | MOLD FOR OPTICAL ELEMENT HAVING NANOSTRUCTURE, MOLD FOR NANOSTRUCTURE,AND OPTICAL ELEMENT |
| TWI360522B B 20120321 | JP20060001901; | NAT INST OF ADVANCED IND SCIEN; | F28F3/00; B82B3/00; C23C16/26; H05K7/20; C01B31/02; | Oriented carbon nanotube bulk aggregate and manufa |

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| JP2012006834 A 20120112 | JP20050040823;JP20 110197621; | NAT INST OF ADVANCED IND SCIEN; | C01C3/12; C01C3/11; | ULTRAFINE PARTICLE OF PRUSSIAN BLUE TYPE METAL COMPLEX, DISPERSIONLIQUID THEREOF, AND THEIR PRODUCTION METHODS |
| CN102348640 A 20120208 | JP20090054842;WO2 010JP54075; | NAT INST OF ADVANCED IND SCIEN;TOYOTA JIDOSHOKKI KK; | C01B35/12; H01M4/58; | Process for producing lithium borate compound |
| EP2407426 A1 20120118 | JP20090054842;WO2 010JP54075; | NAT INST OF ADVANCED IND SCIEN;TOYOTA JIDOSHOKKI KK; | H01M4/58; C01B35/12; | PROCESS FOR PRODUCING LITHIUM BORATE COMPOUND |
| CN102307808 A 20120104 | JP20090029128;WO2 010JP00743; | NAT INST OF ADVANCED IND SCIEN;ZEON CORP; | C01B31/02; | Apparatus for producing aligned carbon nanotube aggregates |
| CN102325720 A 20120118 | JP20090029127;WO2 010JP00742; | NAT INST OF ADVANCED IND SCIEN;ZEON CORP; | C01B31/02; | Base for producing oriented carbon nanotube aggregate, and method forproducing oriented carbon nanotube aggregate |
| CN102471065 A 20120523 | JP20090157226;WO2 010JP61042; | NAT INST OF ADVANCED IND SCIEN;ZEON CORP; | C01B31/02; | Device for manufacturing aligned carbon nanotube assembly |
| EP2450310 A1 20120509 | JP20090157226;WO2 010JP61042; | NAT INST OF ADVANCED IND SCIEN;ZEON CORP; | C01B31/02; | DEVICE FOR MANUFACTURING ALIGNED CARBON NANOTUBE ASSEMBLY |
| TW201209009 A 20120301 | TW20100127732; | NAT NITRIDE TECHNOLOGIES CO LTD; | C04B35/64; C01B21/064; C04B35/5835; | Slurry for preparing boron nitride aggregates of spherical geometryand application thereof |
| US2012091396 A1 20120419 | US20100903790; | NAT OILWELL VARCO LP; | C23F11/00; | RELEASABLE CORROSION INHIBITORS |
| WO2012064292 A1 20120518 | TH10010001731; | NAT SCIENCE AND TECHNOLOGY DEV AGENCY;TUANTRANONT ADISORN; | C01B31/04; | A METHOD FOR PREPARING POLYMER/OXYGEN-FREE GRAPHENE COMPOSITES USINGELECTROCHEMICAL PROCESS |

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| TW201222690 A 20120601 | US20100832516; | NAT SEMICONDUCTOR CORP; | H01L21/60; H05K3/42; | Via and method of forming the via with a substantially planar topsurface that is suitable for carbon nanotube applications |
| WO2012005836 A2 20120112 | US20100832516; | NAT SEMICONDUCTOR CORP; | H01L21/28; | VIA WITH A SUBSTANTIALLY PLANAR TOP SURFACE |
| AU2010292604 A1 20120405 | US20090584699;WO2 010US46629; | NAT TITANIUM DIOXIDE CO LTD CRISTAL; | B82B3/00; B02C19/06; C01G23/053; | Methods of producing titanium dioxide nanoparticles |
| US2012040090 A1 20120216 | TW20080117920;US2 0090431390;US20111 3279882; | NAT UNIV CHUNG CHENG; | B29C33/42; | METHOD FOR ENHANCING HARDNESS OF NANOIMPRINT MOLD |
| KR20120043352 A 20120504 | KR20100104611; | NAT UNIV GYEONGSANG IACF; | B01J19/10; B82B3/00; C01B31/02; | METHOD FOR PREPARING HIGH DISPERSED CARBON NANOTUBE FOR REDUCING TOXICITY OF IMMUNE CELLS |
| US2012101007 A1 20120426 | US20090202815P;US 20090202816P;US200 90202817P;US201013 263645;WO2010IE000 20; | NAT UNIV IRELAND;TRINITY COLLEGE DUBLIN; | C40B40/06; C07K17/14; C40B30/10; C40B40/10; C07H1/00; C40B40/00; C40B40/12; | SILVER NANOPATES |
| TW201211330 A 20120316 | TW20100131126; | NAT UNIV TSINGHUA; | C01G15/00; C30B29/46; | A methods for forming particle form polynary nano compound |
| TW201219525 A 20120516 | TW20100138068; | NAT UNIV TSINGHUA; | C09J163/00; C09J5/06; C09J11/04; | Complex epoxy resin adhesive added with carbon nanotubes and method of using the same |
| US2012111497 A1 20120510 | TW20100138068; | NAT UNIV TSINGHUA; | C09J163/00; C08K3/04; B32B37/12; | COMPLEX EPOXY RESIN ADHESIVE ADDED WITH CARBON NANOTUBES AND METHOD OF USING THE SAME |
| US2012061616 A1 20120315 | TW20090107023;US2 0100660556;US20111 3298829; | NAT UNIV TSINGHUA; | C09K11/06; | MODIFIED NANO-DOT, FABRICATION METHOD THEREOF AND COMPOSITION ELEMENT THEREOF |

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| AT550405T T 20120415 | JP20060326347;WO2 007JP73114; | NAT UNIVERSITY CORP SHIMANE UNIVERSITY; | C09K11/54; C09K11/08; C12Q1/00; G01N33/543; C01G9/02; G01N21/78; C09C1/02; G01N21/64; | FLUORESZENZMARKIERUNGSMITTEL UND FLUORESZENZMARKIERUNGSVERFAHREN |
| US2012119162 A1 20120517 | US20010331660P;US 20040496066;US2011 13270985;WO2002US 37211; | NATCORE TECHNOLOGY INC;UNIV RICE WILLIAM M; | B05D5/00; H01L21/56; H01L23/48; C09C1/44; H01B1/18; H01B1/24; C01B31/02; B32B9/00; B05D7/00; C09C1/30; B05D5/12; B05D3/10; C08K9/02; | Coated Fullerenes, Compositions And Dielectrics Made Therefrom |
| WO2012083036 A2 20120621 | US201061424218P; | NAYFEH TAYSIR H;UNIV STATE CLEVELAND;WIEDERHOL T ANITA M; | B82B1/00; D01F9/12; | NANO-ENGINEERED ULTRA-CONDUCTIVE NANOCOMPOSITE COPPER WIRE |
| US2012091387 A1 20120419 | US20100455060P;US 20100455061P;US201 113274218; | NCHEKWUBE EMEKA;UZOH CYPRIAN EMEKA; | H01B1/20; H01B1/22; H01B1/14; B05D5/12; G02B1/00; E04B1/78; H01B1/00; H01B1/04; | METHOD AND SUBSTRATES FOR MATERIAL APPLICATION |
| US2012148814 A1 20120614 | DE200910008141;WO 2010EP51446; | NEANDER MARCUS;SERBAN CORINA; | C03B8/00; B32B3/26; B32B17/06; B32B5/18; C03C15/00; | TRANSPARENT GLASS BODY, METHOD FOR THE PRODUCTION THEREOF, AND USE THEREOF |
| US2012127236 A1 20120524 | JP20090180834;WO2 010JP04090; | NEC CORP; | B41J2/015; C09D11/02; | CARBON NANOTUBE INK COMPOSITION |
| US2012103809 A1 20120503 | JP20090148861;WO2 010JP60627; | NEC CORP; | B01D43/00; | METHOD FOR SEPARATING NANOCARBON MATERIAL, SEPARATION DEVICE, AND SEPARATED NANOCARBON DISPERSION SOLUTION |

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| WO2012049801 A1 20120419 | JP20100230225; | NEC CORP;SEKINO SHOJI; | H01L35/24; H01L35/34; G01J1/02; C01B31/02; | METHOD FOR MANUFACTURING INFRARED SENSOR MATERIAL, INFRARED SENSORMATERIAL, INFRARED SENSOR ELEMENT AND INFRARED IMAGE SENSOR |
| RU2448771 C1 20120427 | JP20080058882; | NEHSHNL INSTIT JUT OF EHDVANST INDASTRIAL SAJENS EHND TEKNOLODZHI; | B82B1/00; B01D53/14; B01J23/52; B01J20/06; B01J23/90; B01J20/34; C10G29/16; C10G25/00; B01D53/48; | ADSORBENT DESULPHURISER FOR LIQUID PHASES |
| US2012070647 A1 20120322 | US20100383683P;US 201113234597; | NEILL LLC O; | A41D1/00; B05D5/00; B32B27/40; C09D175/04; B05D3/02; B32B3/26; A41D19/00; B05D7/24; B32B37/02; B32B5/16; | THIN-WALL POLYMER COATED ARTICLES AND GLOVES AND A METHOD THEREFOR |
| US2012132534 A1 20120531 | US20060834765P;US 20060857616P;US200 70888476;US2007098 3324; | NEV SYS OF HIGHER ED ON BEHALF OF THE UNLV BOARD OF REGENTS; | B01J8/08; C25D11/02; | Growth of nanotubes from patterned and ordered nanoparticles |
| US2012140588 A1 20120607 | US20060858072P;US 20070937787; | NEW JERSEY TECH INST;TOSHIBA KK; | B01F3/18; B01F13/02; | Fluidized Mixing And Blending of Nanopowders With Secondary Gas Flow |
| GB2483373 A 20120307 | GB20100014707; | NEXEON LTD; | H01M10/054; H01M4/134; H01M10/0525; H01M4/38; H01M4/583; H01M4/62; H01M4/1395; | Electroactive composition for anode |
| US2012028464 A1 20120202 | US20060860619P;US 20070944360;US2011 13188377; | NEXGEN SEMI HOLDING INC; | G03C5/00; | APPARATUS AND METHOD FOR CONFORMAL MASK MANUFACTURING |
| US2012112323 A1 20120510 | US20050697780P;US 20060484015;US2007 0841565;US20090642 615;US201213354938; | NEXGEN SEMI HOLDING INC; | H01L29/06; H01L21/265; | APPARATUS AND METHOD FOR CONTROLLED PARTICLE BEAM MANUFACTURING |
| EP2447234 A2 20120502 | JP20100246730; | NGK INSULATORS LTD; | C01G25/00; C04B35/491; H01L41/187; | Lead-based piezoelectric material and production method therefor |

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| JP2012096962 A 20120524 | JP20100246730; | NGK INSULATORS LTD; | H01L41/187; H01L41/24; C01G25/00; C04B35/462; C04B35/49; C04B35/626; | LEAD-BASED PIEZOELECTRIC MATERIAL AND PRODUCTION METHOD THEREFOR |
| US2012157297 A1 20120621 | US20100424043P;US 201113329147; | NGUYEN THIEN DUYEN THI;PARIMI KRISHNIAH; | B01J21/04; B01J23/28; B01J23/46; B01J35/10; B01J23/42; B01J21/18; B01J23/44; B01J23/06; B01J23/745; B01J23/50; B01J23/26; B01J23/75; B01J23/72; B01J23/30; B01J23/52; B01J23/755; | CATALYSTS AND METHODS OF PREPARATION OF CATALYST |
| SG177371 A1 20120228 | US20090220758P;WO 2010SG00238; | NGUYEN THIEN DUYEN THI;PARIMI KRISHNIAH; | C01B31/0273; B82Y10/00; B82Y30/00; B82Y40/00; G01N27/4146; H01L51/0049; H01L51/002; H01M4/625; C01B2202/22 | METHOD FOR MODIFYING ELECTRICAL PROPERTIES OF CARBON NANOTUBES |
| US2012157299 A1 20120621 | US20100424043P;US 201113329147;US201 213410041; | NGUYEN THIEN DUYEN THI;PARIMI KRISHNIAH; | B01J37/16; B01J21/04; B01J23/44; B01J21/18; B01J23/755; | METHOD OF MAKING A CATALYST |
| US2012156109 A1 20120621 | US20100424043P;US 201113329193;US201 213410093; | NGUYEN THIEN DUYEN THI;PARIMI KRISHNIAH; | B01J19/00; B01J8/02; | SYSTEMS FOR FUEL PRODUCTION |
| SG176981 A1 20120228 | MA20090032034;WO2 009IB06221; | NICHOLAS NOLAN WALKER; | B82Y30/00; C01G51/42; H01M4/525; H01M10/0525; Y02E60/122; Y02T10/7011; C01P2002/54; C01P2002/72; C01P2002/77; C01P2002/88; C01P2004/04; C01P2004/64; C01P2006/10; C01P2006/40 | PARTICLES OF DOPED LITHIUM COBALT OXIDE, METHOD FOR PREPARING THE SAME AND THEIR USE IN LITHIUM ION BATTERIES |

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| US2012071610 A1 20120322 | US20100854763;US20 1113045047; | NICHOLAS NOLAN WALKER; | C08F8/00; C01B31/04; C07C2/00; C07C41/01; C01B35/00; C01B33/00; | REGIOFUNCTIONAL CARBON NANOTUBE BEAM AND METHOD |
| US2012154502 A1 20120621 | US20100423408P;US 201113326915; | NIEMIEC JAMES P;ROMANO JR CHARLES E;SCHLIESMAN JR LEONARDJ; | B41J2/01; | RECORDING MEDIUM FOR INKJET PRINTING |
| CN102416478 A 20120418 | CN20111378232; | NINGBO INST MAT TECH & ENG CAS; | B22F9/04; B82Y40/00; | Environmentally-friendly method for preparing silver nanoparticles of different appearances |
| CN102424382 A 20120425 | CN20111276666; | NINGBO INST MAT TECH & ENG CAS; | B82Y40/00; C01B31/04; | Method for preparing high-specific-surface-area graphene under conditions of normal pressure and low temperature |
| CN102416482 A 20120418 | CN20111363954; | NINGBO INST MAT TECH & ENG CAS; | B82Y40/00; G01N21/33; B22F9/24; G01N21/78; B82Y30/00; | Nanogold solution and method for detecting Co ²⁺ by using same |
| TW201222955 A 20120601 | JP20100196900;JP20 110183779; | NIPPON CHEMICAL IND; | H01M4/525; H01M10/0525; C01D15/00; | Lithium cobalt oxide, process for producing same, positive active material for lithium secondary battery, and lithium secondary battery |
| JP2012074366 A 20120412 | JP20100196900;JP20 110183779; | NIPPON CHEMICAL IND; | H01M4/525; C01G51/00; | LITHIUM COBALTATE, PRODUCTION METHOD THEREFOR, CATHODE ACTIVE MATERIAL FOR LITHIUM-ION SECONDARY BATTERY, AND LITHIUM-ION SECONDARY BATTERY |
| WO2012029730 A1 20120308 | JP20100196900;JP20 110183779; | NIPPON CHEMICAL IND;OOISHI YOSHIHIDE; | C01G51/00; H01M4/525; | LITHIUM COBALT OXIDE, PROCESS FOR PRODUCING SAME, POSITIVE ACTIVE MATERIAL FOR LITHIUM SECONDARY BATTERY, AND LITHIUM SECONDARY BATTERY |

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| CN102317233 A 20120111 | JP20090033979;WO2 010JP52801; | NIPPON ELECTRODE CO LTD;NIPPON STEEL CORP; | C21B7/06; C04B35/52; | Carbonaceous refractory material, process for producing same, andfurnace bottom or side wall of blast furnace |
| US2012122675 A1 20120517 | JP20090156825;WO2 010JP04316; | NIPPON SHEET GLASS CO LTD; | B01J23/44; | NOBLE METAL COLLOIDAL PARTICLES, NOBLE METAL COLLOIDAL SOLUTION, ANDCATALYST FOR HYDROGEN PEROXIDE DECOMPOSITION |
| EP2450133 A1 20120509 | JP20090156825;WO2 010JP04316; | NIPPON SHEET GLASS CO LTD; | C02F1/58; B01J23/44; B22F1/02; B22F9/24; B01J35/02; | NOBLE METAL COLLOIDAL PARTICLES, NOBLE METAL COLLOIDAL SOLUTION, ANDCATALYST FOR HYDROGEN PEROXIDE DECOMPOSITION |
| CN102413920 A 20120411 | JP20090113817;WO2 010JP03163; | NIPPON STEEL CORP; | B01J20/34; B01J20/18; B01D53/04; B01D53/02; B01J20/06; B01J20/20; C01B31/20; B01D53/62; | Hybrid adsorbent and method for collection of carbon dioxide from gas |
| JP2012061599 A 20120329 | JP20090011099; | NISSAN CHEMICAL IND LTD; | B29C59/02; H01L21/027; C08F130/08; | APPLICATION OF BENZOCYCLOBUTENE RESIN TO IMPRINT TECHNOLOGY, ANDMETHOD FOR FORMING PATTERN BY THE TECHNOLOGY |
| TW201204739 A 20120201 | JP20100144189; | NISSAN CHEMICAL IND LTD; | C07F3/06; C01G9/02; | Basic zinc cyanurate fine particles, and method for producing same |
| US2012128891 A1 20120524 | JP20090176165;WO2 010JP62545; | NISSAN CHEMICAL IND LTD; | B29C59/02; C08G77/18; | COMPOSITION FOR FORMING RESIST UNDERLAYER FILM FOR NANOIMPRINT |
| KR20120039693 A 20120425 | JP20090176165; | NISSAN CHEMICAL IND LTD; | C08G77/14; H01L21/027; C08G59/20; | COMPOSITION FOR FORMING RESIST UNDERLAYER FILM FOR NANOIMPRINTLITHOGRAPHY |
| EP2461350 A1 20120606 | JP20090176165;WO2 010JP62545; | NISSAN CHEMICAL IND LTD; | C08G77/04; C08G59/20; H01L21/027; C08G77/14; G03F7/20; | COMPOSITION FOR FORMING RESIST UNDERLAYER FILM FOR NANOIMPRINTLITHOGRAPHY |
| CN102473601 A 20120523 | JP20090194269;WO2 010JP63872; | NISSAN CHEMICAL IND LTD; | B29C59/02; H01L21/027; C08F2/46; B81C1/00; | High-hardness material for imprint |
| KR20120064083 A 20120618 | JP20090194269; | NISSAN CHEMICAL IND LTD; | B81C1/00; H01L21/027; B29C59/02; | HIGH-HARDNESS MATERIAL FOR IMPRINT |

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| KR20120034105 A 20120409 | JP20090146354; | NISSAN CHEMICAL IND LTD; | H01L21/027; B29C59/02; | IMPRINTING MATERIAL WITH LOW DIELECTRIC CONSTANT |
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| EP2422903 A2 20120229 | EP20040254382;JP20 030278186;JP200302 94244;JP2004016966 8; | NISSIN KOGYO KK; | C22C49/14; C22C1/10; C08K7/18; C08J5/04; C22C47/08; B22D19/00; C08L101/00; B22D19/14; C08K7/06; C08L21/00; C22C47/06; C08J5/00; B22F1/00; B29C70/00; B29C70/04; C08K3/08; B29B7/56; C08K3/04; C22C26/00; | Carbon fiber composite material and method of producing the same, formed product of carbon fiber composite and method of producing the same, carbon fiber-metal composite material and method of producing the same, and formed product of carbon fiber-metal composite and method of producing the same |
| US2012040176 A1 20120216 | JP20030278186;JP20 030294244;JP200401 69668;US2004089535 1;US201113243675; | NISSIN KOGYO KK; | B29B7/56; B22F1/00; C08K7/06; C22C49/14; C22C47/08; B22D19/14; B32B5/16; B29C70/04; C08L21/00; C22C47/06; B22D19/00; B29C70/00; C08L101/00; C08K7/18; C08J5/04; C08K3/04; C08K3/08; C22C1/10; C08J5/00; | CARBON FIBER COMPOSITE MATERIAL AND METHOD OF PRODUCING THE SAME,FORMED PRODUCT OF CARBON FIBER COMPOSITE AND METHOD OF PRODUCING THE SAME, CARBON FIBER-METAL COMPOSITE MATERIAL AND METHOD OF PRODUCING THE SAME, AND FORMED PRODUCT OF CARBON FIBER-METAL COMPOSITE AND METHOD OF PRODUCING THE SAME |
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| TW201208141 A 20120216 | JP20100174477; | NITTO DENKO CORP; | H01L33/48; | Light-emitting device |
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| KR20120049349 A 20120516 | JP20100082888; | NITTO DENKO CORP; | B22F1/02; H01F1/08; H01F41/02; B22F3/00; | PERMANENT MAGNET AND MANUFACTURING METHOD FOR PERMANENT MAGNET |
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| TW201213232 A 20120401 | DE201010046040; | NOVALED AG; | C01B31/00; H01M4/133; H01L51/46; H01L51/54; | Method for producing fullerene derivatives |
| KR20120031153 A 20120330 | DE201010046040; | NOVALED AG; | H01L31/042; C01B31/02; H01B1/04; H01L51/50; | METHOD FOR PRODUCING FULLERENE DERIVATIVES |
| DE102010046040 A1 20120322 | DE201010046040; | NOVALED AG; | H01L51/54; C01B31/00; H01L51/46; H01M4/133; | Preparing fullerene derivatives useful e.g. as organic semiconductorlayers of organic diodes and photo detectors, comprises reacting fullerene with halogen atom in reactor, where an additional chemical element is added to reactor |
| NZ587255 A 20120330 | NZ20060560535;US20 050644314P;US20050 652493P; | NOVARTIS VACCINES & DIAGNOSTIC; | C07K14/47; C07K16/18; G01N33/53; C12Q1/70; | Elisa assays using prion-specific peptide reagents |
| WO2012013349 A2 20120202 | EP20100007959; | NOVER CHRISTOPH;SCHAEFER KALK GMBH & CO KG;VUCAK MARIJAN; | C09C1/02; | SPHERICAL AMORPHOUS CALCIUM CARBONATE PARTICLES |

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| JP2012069675 A 20120405 | JP20100212419; | NUFLARE TECHNOLOGY INC; | H01L21/027; | CHARGED PARTICLE BEAM DRAWING APPARATUS AND CHARGED PARTICLE BEAMDRAWING METHOD |
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| US2012007002 A1 20120112 | JP20100148843; | NUFLARE TECHNOLOGY INC; | G21K5/10; | CHARGED PARTICLE BEAM PATTERN FORMING APPARATUS AND CHARGED PARTICLEBEAM PATTERN FORMING METHOD |
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| KR20120054516 A 20120530 | JP20100259061; | NUFLARE TECHNOLOGY INC; | G03F7/20; H01L21/027; | CHARGED PARTICLE BEAM WRITING APPARATUS AND CHARGED PARTICLE BEAMWRITING METHOD |
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| US2012118325 A1 20120517 | US20100799675;US20 1113340251;WO2009J P55630; | OAE YOSHIHISA;SHIMIZU YOUICHI; | B08B5/02; B08B7/00; | STAGE DEVICE AND STAGE CLEANING METHOD |
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| AT552532T T 20120415 | EP20040445057;US20 040521562P;WO2004 EP53106; | OBDUCAT AB; | G03F7/00; G03F1/00; H01L21/00; G03F7/20; B81C99/00; B29C43/10; B29C43/02; | VERFAHREN ZUR DRUCKLITHOGRAPHIE MIT KONSTANTER TEMPERATUR |
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| US2012094036 A1 20120419 | US20090184954P;US 201013376494;WO20 10US37794; | OCELLUS INC; | C08K5/07; B05D3/00; C09D1/00; | Coating Composition for Thermal Protection on Substrates, Processes for Manufacturing, and Methods of Applying Same |
| SG179378 A1 20120427 | US20100383749P; | OHMAE NOBUO; | A61K49/0067; B82Y30/00; C07K5/0215; G01N33/587; C07K2319/09; C07K2319/10 | CELL-TARGETING NANOPARTICLES AND USES THEREOF |
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| AT539125T T 20120115 | DE200610026965;WO 2007EP55506; | OMYA DEVELOPMENT AG; | C09C1/42; C09C3/06; C09C1/40; C09C1/00; | VERBUNDKÖRPER AUS ANORGANISCHEN UND/ODER ORGANISCHEN MIKROPARTIKELNUND NANOALCIUMCARBONATPARTIKELN |
| RU2444078 C1 20120227 | RU20100152766; | OOO BARGAN TEKHNODZHI OOO BTEKH; | B82B1/00; H01G4/33; | METHOD TO MANUFACTURE LAMINATE NANOSTRUCTURE FOR DOUBLE-PLATECAPACITORS |
| RU2451578 C1 20120527 | RU20100148577; | OOO N PROIZV TS KVADRA; | B82Y30/00; B22F9/18; B82B3/00; | METHOD OF PRODUCING BIOCIDES INORGANIC ZINC OXIDE-BASED COMPOSITENANOPARTICLES |
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| FR2965719 A1 20120413 | FR20100058158; | OREAL; | A61K8/19; A61Q1/02; A61Q5/10; | PARTICULE COMPORTANT DEUX METAUX PLASMONIQUES |
| US2012001356 A1 20120105 | US20100397522P;US 201113158142; | OREGON STATE; | B01J19/00; B29B9/00; | APPARATUS AND METHOD FOR CONTINUOUS PRODUCTION OF MATERIALS |
| US2012119202 A1 20120517 | US20060856070P;US 20080070943P;US200 80286606;WO2007US 23084; | OREGON STATE; | G03F7/20; | Solution processed thin films and laminates, devices comprising such thin films and laminates, and method for their use and manufacture |
| AT541237T T 20120115 | US20010309387P;WO 2002US24675; | OREGON STATE; | G03F7/008; H01L21/31; B01J20/285; G03F7/012; G01N30/88; B01J20/281; B01J20/283; G03F7/11; C40B60/14; C08K3/00; G03F7/00; | STRUKTURIERTE POLYMERSTRUKTUREN, INSBESONDERE MIKROSTRUKTUREN, UNDHERSTELLUNGSVERFAHREN DAFÜR |
| TWI356833B B 20120121 | JP20040027996;JP20 040376806; | OSAKA GAS CO LTD; | C08L33/00; C08L101/00; H01L21/312; C08K7/06; C08K3/04; H05K1/03; | RESIN COMPOSITION FOR GHZ-BAND ELECTRONIC COMPONENT AND GHZ-BAND ELECTRONIC COMPONENT |
| US2012070927 A1 20120322 | DE200910023355;WO 2010EP55986; | OSRAM OPTO SEMICONDUCTORS GMBH; | H01L33/48; | METHOD FOR PRODUCING AN OPTOELECTRONIC SEMICONDUCTOR COMPONENT |
| US2012126689 A1 20120524 | DE200810056370;WO 2009DE01446; | OSRAM OPTO SEMICONDUCTORS GMBH; | H01J1/63; H01J9/22; | Method For Producing An Organic Radiation- Emitting Component AndOrganic Radiation- Emitting Component |
| EP2453498 A2 20120516 | DE200710002404;DE2 00710016081;EP2008 0707967; | OSRAM OPTO SEMICONDUCTORS GMBH; | H01L51/52; | Radiation emitting device and method for manufacturing a radiationemitting device |
| TW201218399 A 20120501 | US20100833661;US20 1113165590; | OSTENDO TECHNOLOGIES INC; | H01L21/66; H01L31/042; | Alternating bias hot carrier solar cells |

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| US2012006408 A1 20120112 | US20100833661;US201113165590; | OSTENDO TECHNOLOGIES INC; | H01L31/00; | Alternating Bias Hot Carrier Solar Cells |
| US2012013042 A1 20120119 | JP20100160902; | OTA TAKUMI; | B29C59/02; | IMPRINT TEMPLATE AND PATTERN FORMING METHOD |
| KR20120058630 A 20120607 | US20040565099P;WO2005US13989; | OXONICA INC; | A61K51/00; B82B3/00; A61K49/04; G01N33/533; | SURFACE ENHANCED SPECTROSCOPY-ACTIVE COMPOSITE NANOPARTICLES |
| US2012034466 A1 20120209 | JP20040252207;WO2005JP16371; | OXYGENIX CO LTD;SHINJI TAKEOKA;UNIV WASEDA; | B32B9/00; B05D3/02; | Thin-Filmy Polymeric Structure and Method of Preparing the Same |
| GB2486190 A 20120613 | GB20100020556; | P V NANO CELL LTD; | G03C1/825; B22F9/24; B01J23/50; B01J13/00; | Concentrated dispersion of nanometric silver particles |
| US2012028029 A1 20120202 | EP20090154451;WO2009EP01574; | PACHOLSKI CLAUDIA;QUINT STEFAN B; | B32B3/26; B05D3/00; B05D3/12; B05D5/00; B05D3/02; | HIGHLY ORDERED ARRAYS OF NANOHOLE IN METALLIC FILMS AND METHODS FORPRODUCING THE SAME |
| DK2002019T T3 20120618 | US20060394352;WO2007US08019; | PACIFIC BIOSCIENCES CALIFORNIA; | C40B40/04; C12N11/00; | Artikel med derpØ anbragte lokaliserede molekyler samt fremgangsmØdetil fremstilling deraf |
| AT546522T T 20120315 | US20060394352;WO2007US08019; | PACIFIC BIOSCIENCES CALIFORNIA; | C12N11/00; C40B40/04; | ARTIKEL MIT DARAUF ANGEORDETEN LOKALISIERTEN MOLEKULEN UNDHERSTELLUNGSVERFAHREN DAFÜR |
| US2012152336 A1 20120621 | US20090230141P;US20090251999P;US20090268768P;US20090275082P;US201113327202;WO2010US38896; | PACIFIC NORTHWEST NAT LAB;UNIV WASHINGTON; | B32B5/16; C01G23/047; H01L31/0224; D02G3/02; B05D5/12; H01B1/08; | AGGREGATE PARTICLES OF TITANIUM DIOXIDE FOR SOLAR CELLS |
| US2012116061 A1 20120510 | JP20090122867;WO2009JP05204; | PANASONIC CORP; | C07K1/04; C07K14/47; | METHOD OF ARRAYING FERRITIN |
| KR20120049174 A 20120516 | JP20090208727; | PANASONIC CORP; | D01D5/00; D01D13/00; | NANOFIBER MANUFACTURING DEVICE AND NANOFIBER MANUFACTURING METHOD |

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| US2012052312 A1 20120301 | CN20091202921;WO2 009CN75155; | PANGANG GROUP CO LTD;PANGANG GROUP PANZHUIHUA IRON & STEEL RES INST CO LTD;PANGANG GROUP STEEL VANADIUM AND TITANIUM CO LTD;PANGANG GROUPRES INST CO LTD; | C09D5/08; C08K3/36; B32B15/04; | PREPARATION METHOD OF HOT DIP GALVANIZED SHEET ANTI- CORROSIVETREATMENT AGENT OF ENVIRONMENTAL PROTECTIVE |
| US2012020105 A1 20120126 | US20050720333P;US 20060528708;US2010 0900419; | PANTANO CARLO;SLACK SHERBURNE; | G02B6/36; B32B1/08; | Nanotube Structures |
| TW201225144 A 20120616 | JP20100240408; | PARAM CORP; | H01J37/143; | Electron lens and the electron beam device |
| WO2012057166 A1 20120503 | JP20100240408; | PARAM CORP;YASUDA HIROSHI; | H01J37/305; H01J37/141; H01L21/027; H01J37/143; | ELECTRON LENS AND THE ELECTRON BEAM DEVICE |
| WO2012082135 A1 20120621 | WO2010US60929; | PARANJAPE MAKARAND;UNIV GEORGETOWN;ZHOU JIANYUN; | D01F9/12; | SYSTEMS AND PROCESS FOR FORMING CARBON NANOTUBE SENSORS |
| US2012157579 A1 20120621 | US20100421532P;US 201113315975; | PARENT J SCOTT;WHITNEY RALPH A; | C08K3/34; C08F236/18; C08L23/36; C08K5/13; C08L25/18; C08K7/14; C08F212/14; C08F236/16; C08F110/06; C08K3/04; C08L47/00; C08L15/02; C08K5/17; C08F210/16; C08K3/36; | Azolium Ionomer Derivatives of Halogenated Polymers |

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| US2012153119 A1 20120621 | US20100422399P;US 201113324622; | PATIL VIKRAM ARVIND;STRAUF STEFAN;YANG EUI- HYEOK; | H01L31/028; | ACTIVE BANDGAP TUNING OF GRAPHENE FOR TUNABLE PHOTODETECTION APPLICATIONS |
| CN102471064 A 20120523 | WO2009RU00364;WO 2009RU00563; | PCG TOOLS AB; | B82B1/00; C08K3/04; C01B31/02; C08L63/00; | Nanocomposite material containing polymer binders |
| US2012142821 A1 20120607 | WO2009RU00364;WO 2009RU00563; | PCG TOOLS AB; | C08K9/02; C08L79/04; C08K13/06; C08L63/00; | NANOCOMPOSITE MATERIAL CONTAINING POLYMER BINDERS |
| EP2457871 A1 20120530 | RU20090000364U;WO 2009RU00563; | PCG TOOLS AB; | C01B31/02; C08K3/04; B82B1/00; C08L63/00; | NANOCOMPOSITE MATERIAL CONTAINING POLYMER BINDERS |
| MY145365 A 20120131 | US20060787951P; | PERRY EQUIPMENT CORP; | C02F1/00; | SYSTEMS AND METHODS FOR FLOW- THROUGH TREATMENT OF CONTAMINATED FLUIDS |
| WO2012068782 A1 20120531 | MY2010PI05575; | PETTERS STEFAN;TSE KA CHUN KALVIN; | C01B31/02; C23C16/26; C23C16/442; C01B3/30; | SYSTEM AND METHOD FOR HYDROGEN PRODUCTION |
| US2012136296 A1 20120531 | US20050197869;US20 1113088730;US20121 3367984; | PEYMAN GHOLAM A; | A61M37/00; | METHODS TO REGULATE POLARIZATION AND ENHANCE FUNCTION OF EXCITABLE CELLS |
| US2012012122 A1 20120119 | US20030514553P;US 20040972205;US2011 13240238; | PHILIP MORRIS USA INC; | A24B15/28; A24C5/00; A24D3/16; A24D1/02; A24B15/18; A24F1/20; | FORMATION AND DEPOSITION OF SPUTTERED NANOSCALE PARTICLES IN CIGARETTE MANUFACTURE |
| US2012000475 A1 20120105 | US20030514525P;US 20030518680P;US200 40972204;US2011131 85160; | PHILIP MORRIS USA INC; | A24D3/16; A24B15/28; A24D3/04; A24C5/52; | IN SITU SYNTHESIS OF COMPOSITE NANOSCALE PARTICLES |
| US2012118302 A1 20120517 | US20050749593P;US 20060636589;US2012 13354975; | PHILIP MORRIS USA INC; | A24C5/47; A24D3/16; A24C5/18; B01D53/62; | SUPPORTED CATALYSTS |

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| US2012025149 A1 20120202 | US20100364492P;US 201113184179; | PHOSTECH LITHIUM INC; | H01B1/20; H01B1/24; H01M4/583; | BATTERY GRADE CATHODE COATING FORMULATION |
| FR2964785 A1 20120316 | FR20100057276; | PHOTONIS FRANCE; | H01J43/00; G01T1/00; | DISPOSITIF MULTIPLICATEUR D'ÉLECTRONS A COUCHE DE NANODIAMANT. |
| US2012001689 A1 20120105 | US20070901878P;US 20080033212;US2010 0948107;US20111321 7240; | PIKE GROUP LLC; | B82Y40/00; H03F3/45; H01L21/28; | NANOELECTRONIC DIFFERENTIAL AMPLIFIERS AND RELATED CIRCUITS IMPLEMENTED ON A SEGMENT OF A GRAPHENE NANORIBBON |
| WO2012031053 A2 20120308 | US20100378934P; | PINKHASSIK EVGUENI;SHMAKOV SERGEY;UNIV MEMPHIS RES FOUNDATION; | B82B3/00; B82B1/00; | POLYMER NANOCAPSULES ENTRAPPING METAL NANOPARTICLES |
| US2012145950 A1 20120614 | US20050720611P;US 20060526132;US2012 13405027; | PLANAR SOLUTIONS LLC; | C09K13/00; | ULTRAPURE COLLOIDAL SILICA FOR USE IN CHEMICAL MECHANICAL POLISHINGAPPLICATIONS |
| US2012049127 A1 20120301 | US20040566632P;US 20040566633P;US200 50118059;US2008091 9343;US20111328986 0;WO2006IB01396; | PLASTIC OMNIUM CIE; | B32B27/18; B32B27/00; B29C47/00; B06B1/02; C09C1/44; B29C55/18; B29C47/54; B29B11/06; H01B1/24; B29C70/88; | ELECTRICALLY CONDUCTIVE PTFE TAPE |
| US2012135450 A1 20120531 | US20010315203P;US 20020227974;US2010 0694678;US20121336 9062; | PLATYPUS TECHNOLOGIES LLC; | G01N33/566; G01N21/00; G01N27/00; C12Q1/02; G01N21/75; | SUBSTRATES, DEVICES, AND METHODS FOR QUANTITATIVE LIQUID CRYSTAL ASSAYS |

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| JP2012025653 A 20120209 | KR20100071062;KR20 110070032; | POHANG UNIV OF SCIENCE & TECHNOLOGY ACADEMY INDUSTRY COOPERATION; | H01L51/40; H01L51/42; H05B33/28; H01L29/786; H05B33/10; B82Y40/00; H01M4/96; H01L51/50; H01M4/587; H01M4/1393; H01L51/05; B82Y20/00; H01L51/30; H05B33/26; H05B33/14; H05B33/02; C01B31/02; | METHOD FOR PRODUCING CARBON THIN FILM, ELECTRONIC ELEMENT COMPRISINGTHE CARBON THIN FILM, AND ELECTROCHEMICAL DEVICE COMPRISING THE CARBON THIN FILM |
| TWI357821B B 20120211 | JP20050329814;JP20 050329815; | POLA CHEM IND INC; | A61K8/36; A61K8/27; A61K8/19; | Method of producing organic inorganic composite po |
| RU2010149226 A 20120610 | JP20080120069; | POLA KEMIKAL INDASTRIZ INK; | C09C3/10; C09C1/36; C08K3/22; A61K8/29; A61Q17/04; C01G23/04; | FINELY DISPERSED TITANIUM DIOXIDE-BASED COMPOSITE AND COMPOSITIONS CONTAINING FINELY DISPERSED TITANIUM DIOXIDE-BASED COMPOSITE |
| AU2010288716 A1 20120322 | EP20090168776;WO2 010EP61900; | POLYMERS CRC LTD; | C01G9/02; B82B1/00; A61K33/30; B82B3/00; A01N59/16; A01P1/00; A01N25/34; C01G5/00; A61K33/38; B22F9/30; | Nano silver-zinc oxide composition |
| US2012115989 A1 20120510 | US20100943734; | POLYZOS GEORGIOS;TUNCER ENIS; | C08L63/00; C08K3/22; | METHOD OF FORMING NANODIELECTRICS |
| WO2012064488 A1 20120518 | US20100943734; | POLYZOS GEORGIOS;TUNCER ENIS;UT BATTELLE LLC; | C01G23/047; B82Y99/00; C08K3/22; C08K3/16; | METHOD OF FORMING NANODIELECTRICS |

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| EP2460764 A1 20120606 | WO2009RU00364; | PONOMAREV ANDREY; | C01B31/02; B82B1/00; | MULTI-LAYERED CARBON NANOPARTICLES OF THE FULLEROID TYPE |
| KR20120012184 A 20120209 | KR20100074182; | POSTECH ACAD IND FOUND; | B82B3/00; C01B31/02; | FABRICATION METHOD FOR CARBON NANOTUBE FILM AND SENSOR BASED CARBONNANOTUBE FILM |
| US2012025330 A1 20120202 | KR20100074182; | POSTECH ACAD IND FOUND; | H01L29/66; H01L21/02; | FABRICATION METHOD OF CARBON NANOTUBE FILM AND SENSOR BASED ON CARBONNANOTUBE FILM |
| KR20120010142 A 20120202 | KR20100071062;KR20 110070032; | POSTECH ACAD IND FOUND; | H01M8/02; H01L51/50; H01L31/042; C01B31/02; | METHOD OF PREPARING CARBON THIN FILM, ELECTRONICS COMPRISING CARBONTHIN FILM AND ELECTROCHEMICAL DEVICE COMPRISING CARBON THIN FILM |
| CN102515135 A 20120627 | KR20100071062;KR20 110070032; | POSTECH ACAD IND FOUND; | C01B31/02; B05D3/02; B05D7/24; B05D1/28; B05D5/12; | Method of preparing carbon thin film, electronics comprising carbonthin film, and electrochemical device comprising carbon thin film |
| US2012021250 A1 20120126 | KR20100071062;KR20 110070032; | POSTECH ACAD IND FOUND; | B32B27/00; B05D3/02; | METHOD OF PREPARING CARBON THIN FILM, ELECTRONICS COMPRISING CARBONTHIN FILM, AND ELECTROCHEMICAL DEVICE COMPRISING CARBON THIN FILM |
| DE102011052041 A1 20120126 | KR20100071062;KR20 110070032; | POSTECH ACAD IND FOUND; | H01M8/02; C01B31/02; H01M4/133; B05D3/00; H01L27/28; H01L51/00; H01M4/96; C25B11/12; | Verfahren zur Herstellung eines Kohlenstoff- D ⁿ nnfilms, denKohlenstoff-D ⁿ nnfilm umfassende elektronische Bauteile und den Kohlenstoff- D ⁿ nnfilm umfassende elektrochemische Vorrichtung |
| US2012148670 A1 20120614 | KR20090075739;WO2 010KR05256; | POSTECH ACADEMAY INDUSTRY FOUNDATION; | C08G73/06; A61K38/38; A61K9/48; A61K31/56; A61K38/28; A61K31/704; A61K38/23; | SENSITIVE POLYMER CAPSULE AND METHOD OF MANUFACTURING THE SAME |

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| CN102422478 A 20120418 | US20090432639;WO2 010US33023; | POWERGENIX SYSTEMS INC; | H01M10/26; | Nickel hydroxide electrode for rechargeable batteries |
| US2012018670 A1 20120126 | US20080065079P;US 20090365658;US2009 0432639;US20111325 0729; | POWERGENIX SYSTEMS INC; | H01M4/525; | NICKEL HYDROXIDE ELECTRODE FOR RECHARGEABLE BATTERIES |
| KR20120027273 A 20120321 | US20090432639; | POWERGENIX SYSTEMS INC; | H01M4/32; C01G53/04; H01M10/30; | NICKEL HYDROXIDE ELECTRODE FOR RECHARGEABLE BATTERIES |
| EP2425484 A1 20120307 | US20090432639;WO2 010US33023; | POWERGENIX SYSTEMS INC; | H01M10/26; | NICKEL HYDROXIDE ELECTRODE FOR RECHARGEABLE BATTERIES |
| US2012114846 A1 20120510 | US20060349657;US20 1213349607; | PPG IND OHIO INC; | B05D5/06; B05D5/00; | COATED SUBSTRATES HAVING UNDERCOATING LAYERS THAT EXHIBIT IMPROVEDPHOTOCATALYTIC ACTIVITY |
| JP2012012613 A 20120119 | US20050213136;US20 060384970; | PPG IND OHIO INC; | C09D129/00; C09D129/14; C23C24/08; C09D1/00; C09D201/00; C09D5/08; B82Y30/00; C09D5/00; C09D7/12; | COATING COMPOSITION EXHIBITING CORROSION-RESISTANT CHARACTERISTICS,RELATED COATED BASE MATERIAL AND METHOD FOR COATING |
| AU2012203346 A1 20120628 | AU20110200520;AU20 120203346;US200502 13136;US2006038497 0;WO2006US33706; | PPG IND OHIO INC; | C08K3/34; C08K3/22; C09D7/12; C08K9/04; C09D5/08; | Coating compositions exhibiting corrosion resistance properties,related coated substrates, and methods |
| US2012108750 A1 20120503 | US20070679345;US20 1113339557; | PPG IND OHIO INC; | C08G77/02; C08L83/02; | Organic-Inorganic Electrospun Fibers |
| US2012129980 A1 20120524 | US20100949878;US20 1113315518; | PPG IND OHIO INC; | C09J1/00; C09J163/00; | STRUCTURAL ADHESIVE COMPOSITIONS |
| US2012120984 A1 20120517 | US20100944190; | PPG IND OHIO INC; | G01K11/12; B29C70/00; B29C35/08; G02F1/01; | TEMPERATURE SENSITIVE COMPOSITE FOR PHOTONIC CRYSTALS |

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| EP2408713 A2 20120125 | GB20090004813;WO2 010IB00293; | PRAD RES & DEV LTD;SCHLUMBERGER HOLDINGS LTD SHL;SCHLUMBERGER SERVICES PETROL;SCHLUMBERGE R TECHNOLOGY BV; | B82B3/00; C01B31/04; C01B31/02; | DERIVATISATION OF CARBON |
| CA2754256 A1 20120330 | US20100388397P; | PRATT & WHITNEY CANADA; | F01D5/28; C23C18/31; | AIRFOIL BLADE |
| EP2455355 A1 20120523 | EP20070752131;US20 060778029P;US20060 877122P; | PRIMET PREC MATERIALS INC; | H01M4/587; H01M4/48; H01M4/485; B82Y30/00; C01G53/00; C01G23/00; C01G49/00; C04B35/628; C04B41/45; C01G45/00; H01M4/58; | Methods for producing nanoparticle compositions |
| JP2012044995 A 20120308 | US20040006031;US20 040592499P; | PROMEGA CORP; | C12Q1/68; C12N9/14; C12Q1/37; G01N21/76; G01N33/553; G01N33/543; C12N1/02; C12Q1/02; C07K1/13; G01N33/536; C12Q1/66; C12N15/09; G01N21/78; C12N11/00; C12Q1/34; C07K1/22; C12N11/14; C12Q1/48; | COVALENT TETHERING OF FUNCTIONAL GROUP TO PROTEIN AND SUBSTRATETHEREFOR |
| US2012115708 A1 20120510 | US20100411961P;US 201113293443; | PURDUE RESEARCH FOUNDATION; | C22B23/00; C08K3/08; C22B9/00; C08K3/10; C22B34/12; C22B26/22; C04B35/653; C22B21/00; | METHOD OF PRODUCING PARTICULATE- REINFORCED COMPOSITES AND COMPOSITES PRODUCED THEREBY |

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| CN102458832 A 20120516 | US20090181154P;US 20090181159P;WO20 10US36259; | PURDUE RESEARCH FOUNDATION; | B32B15/02; B32B37/00; C08J5/18; | Thin films for photovoltaic cells |
| AU2010254119 A1 20120112 | US20090181154P;US 20090181159P;WO20 10US36259; | PURDUE RESEARCH FOUNDATION; | B32B37/00; B32B15/02; C08J5/18; | Thin films for photovoltaic cells |
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| EP2435248 A2 20120404 | US20090181154P;US 20090181159P;WO20 10US36259; | PURDUE RESEARCH FOUNDATION; | B32B37/00; C08J5/18; B32B15/02; | THIN FILMS FOR PHOTOVOLTAIC CELLS |
| CN102502781 A 20120620 | CN20111330128; | QINGDAO COPTON TECHNOLOGY CO LTD; | B82Y40/00; C01G9/02; | Method for preparing zinc oxide nanofluid |
| CN102390825 A 20120328 | CN20111237946; | QINGDAO HANBO ELECTRONIC TECHNOLOGY CO LTD; | C01B25/45; B82Y40/00; H01M4/58; | Modified lithium iron phosphate material for lithium ion battery and preparation method thereof |
| CN102442787 A 20120509 | CN20111288110; | QINGDAO HISENSE ELECTRIC CO; | C03C17/23; B82Y40/00; G01N27/04; C04B41/50; | Nano air-sensitive thin film and preparation method thereof |
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| CN102491395 A 20120613 | CN20111372935; | QINGMING ZENG; | C01F11/18; B82Y40/00; | Preparation method of nano-grade calcium carbonate |
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| EP2438619 A1 20120411 | US20090477412;WO2 010US37241; | QUALCOMM INC; | H01L21/8234; G03F7/00; H01L29/78; H01L21/3213; H01L21/336; | APPARATUS AND METHOD TO FABRICATE AN ELECTRONIC DEVICE |
| CN102334207 A 20120125 | US20090396359;WO2 010US25837; | QUALCOMM INC; | H01L43/12; H01F10/32; H01L43/08; | Magnetic tunnel junction device and fabrication |
| US2012107966 A1 20120503 | US20090396359;US20 1213349633; | QUALCOMM INC; | G06F9/45; H01L21/02; | MAGNETIC TUNNEL JUNCTION DEVICE AND FABRICATION |
| KR20120027525 A 20120321 | US20090482730; | QUALCOMM INC; | G11C11/15; H01L43/08; H01F10/32; G01R33/09; | MAGNETIC TUNNEL JUNCTION DEVICE AND FABRICATION |
| EP2441100 A1 20120418 | US20090482730;WO2 010US38362; | QUALCOMM INC; | G11C11/15; H01L43/08; H01F10/32; G01R33/09; | MAGNETIC TUNNEL JUNCTION DEVICE AND FABRICATION |
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| RU2010140917 A 20120420 | US20080044596; | QUALCOMM INC; | G11C11/16; | METHOD OF FORMING MAGNETIC TUNNEL JUNCTION DEVICE |
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| US2012028163 A1 20120202 | US20060394456;US20 070781909;US201113 110841; | QUANTUMSPHERE INC; | H01M4/02; H01M4/36; H01M4/92; | COMPOSITIONS OF NANOMETAL PARTICLES CONTAINING A METAL OR ALLOY AND PLATINUM PARTICLES |
| US2012014073 A1 20120119 | US20070951223;US20 1113243863; | QUANTUMSPHERE INC; | B05D5/12; H05K7/00; H05K1/09; B05D5/00; B05D3/02; | CONDUCTIVE NANOPARTICLE SUBSTRATE AND METHOD OF MANUFACTURE |
| US2012100986 A1 20120426 | US20050254629;US20 1213345202; | QUANTUMSPHERE INC; | B01J31/06; B01J31/02; | GAS DIFFUSION CATHODE USING NANOMETER SIZED PARTICLES OF TRANSITIONMETALS FOR CATALYSIS |
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| US2012082612 A1 20120405 | US20070985855P;US 20080266477;US2009 0418356;US20100752 018;US201113050823; US201113326135; | QUANTUMSPHERE INC; | B01J7/00; C01C1/04; | SYSTEM AND METHOD FOR AMMONIA SYNTHESIS |
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| US2012080361 A1 20120405 | US20100388342P;US 20100405019P;US201 113250575; | RAJAGOPAL ADITYA;SCHERER AXEL;TOMBRELLO THOMAS A;WALAVALKAR SAMEER; | B01D71/02; B01D61/00; B31D3/00; B07B1/00; | PARTICULATE NANOSORTING STACK |
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| KR20120047974 A 20120514 | AU20030903296; | RAUSTECH PTY LTD; | G03G9/12; G03G9/135; G03G9/125; G03G9/097; G03G9/13; C08L101/12; B82Y30/00; | CHARGED EMULSIONS FOR SITE-SPECIFIC DEPOSITION OF MATTER AT MICRO AND NANO SCALE |
| US2012111148 A1 20120510 | US20100941409; | RAYTHEON CO; | B22F1/00; B29B9/00; B22F9/00; | Forming Spherical Semiconductive Nanoparticles |
| US2012048181 A1 20120301 | US20100868566; | RAYTHEON CO; | C30B25/20; | IN-SITU GROWTH OF ENGINEERED DEFECTS IN GRAPHENE BY EPITAXIAL REPRODUCTION |

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| AT551294T T 20120415 | US20080102302;WO2 009US35265; | RAYTHEON CO; | C01B31/02; C01B33/02; C01B35/02; C01B21/064; C01B31/36; | SYSTEM UND VERFAHREN ZUR NIEDRIGLEISTUNGS- NANORÍHRCHENZ,CHTUNG ■BERDIREKTE WIDERSTANDSERHITZUNG |
| US2012128574 A1 20120524 | US20100949670; | RAYTHEON CO;UNIV ARIZONA STATE; | B82Y30/00; B82Y40/00; C01B31/04; D01F9/12; | CARBON NANOSTRUCTURE SYNTHESIS FROM CARBON-EXCESS EXPLOSIVES IN SUPERCRITICAL FLUID |
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| US2012034528 A1 20120209 | US20090206816P;US 20100656463;US2011 13068832; | RECAPING INC; | H01M4/58; H01M4/50; H01M4/52; H01G9/025; H01M4/48; H01M10/02; H01M4/54; | High energy density electrical energy storage devices |
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| US2012156566 A1 20120621 | MA20090032034;WO2 009IB06221; | REMINEX SA; | H01M4/485; | PARTICLES OF DOPED LITHIUM COBALT OXIDE, METHOD FOR PREPARING THE SAMEAND THEIR USE IN LITHIUM ION BATTERIES |
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| EP2417171 A1 20120215 | US20090212409P;WO 2010US30561; | RENSELAER POLYTECH INST; | C08L63/00; H01B3/40; C08F292/00; C08F293/00; B82B3/00; C08K9/08; C08J5/00; C08L51/10; | DIBLOCK COPOLYMER MODIFIED NANOPARTICLE-POLYMER NANOCOMPOSITES FORELECTRICAL INSULATION |
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| US2012083643 A1 20120405 | EP20100186572; | RES INST OF PETROLEUM INDUSTRY RIPI; | B01J27/188; B01J21/04; B01J29/10; C07C7/00; | Alumina Nanotube/Nanorod Supported Hydrodesulfurization Nanocatalyst,Method of Preparation and Application |
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| US2012034696 A1 20120209 | US20060862904P;US 20060862955P;US200 70924595;US2007098 2387P;US2011130166 59; | REVALESIO CORP; | C12N1/14; A23L2/38; C12N5/07; C12N1/20; C12N5/04; B01F5/06; | Electrokinetically-altered fluids comprising charge- stabilizedgas-containing nanostructures |

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| US2012046163 A1 20120223 | FR20090000929;WO2 010EP52381; | RHODIA OPERATIONS; | B01J21/06; B01J21/02; B01J21/04; | COMPOSITION INCLUDING A LANTHANUM PEROVSKITE ON AN ALUMINA ORALUMINIUM OXYHYDROXIDE SUBSTRATE, PREPARATION METHOD AND USE IN CATALYSIS |
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| KR20120030575 A 20120328 | FR20060008838; | RHODIA OPERATIONS; | C09G1/02; C01F17/00; | LIQUID SUSPENSION AND POWDER OF CERIUM OXIDE PARTICLES, METHODS FORMAKING THE SAME AND USES THEREOF IN POLISHING |
| US2012136103 A1 20120531 | FR20080006578;WO2 009EP65726; | RHODIA OPERATIONS; | C08K3/36; C08K3/40; C08K3/22; C08K3/26; C08L77/06; C08K3/34; C08K3/04; C08K7/02; C08K7/14; C08K3/32; C08K7/06; | THERMOPLASTIC POLYMER COMPOSITION CONTAINING POLYAMIDE |

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| CN102341465 A 20120201 | JP20090053151;WO2 010JP54063; | RICOH CO LTD; | C09B69/10; C09C3/10; B41M5/00; C09B67/20; C09C1/00; B41J2/01; C09D11/00; C09B48/00; | Inkjet recording ink, ink cartridge, inkjet recording apparatus, and ink recorded matter |
| EP2403910 A1 20120111 | JP20090053151;WO2 010JP54063; | RICOH CO LTD; | B41J2/01; C09B67/20; C09B69/10; C09C1/00; C09B48/00; B41M5/00; C09C3/10; C09D11/00; | INKJET RECORDING INK, INK CARTRIDGE, INKJET RECORDING APPARATUS, AND INK RECORDED MATTER |
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| US2012160058 A1 20120628 | JP20080077913;US20 090410641;US201213 413852; | RIKEN; | C22B4/04; | PHOTOREDUCTION PROCESSING METHOD OF THREE-DIMENSIONAL METAL NANOSTRUCTURE |
| KR20120021223 A 20120308 | JP20100194831; | RIKEN;TOKYO OHKA KOGYO CO LTD; | B82B1/00; B82B3/00; | SUBSTRATE PROVIDED WITH METAL NANOSTRUCTURE ON SURFACE THEREOF AND METHOD OF PRODUCING THE SAME |
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| ES2382610T T3 20120611 | DE200510059716;WO 2006EP11858; | RODENSTOCK GMBH; | G02B1/04; C09K9/00; G03C1/73; | Objeto fotográfico de plástico |
| AT546505T T 20120315 | DE200510059716;WO 2006EP11858; | RODENSTOCK GMBH; | G03C1/73; C09K9/00; G02B1/04; | PHOTOCHROMER KUNSTSTOFFGEGENSTAND |
| RU2448908 C1 20120427 | FR20080001156; | RODIA OPERAS ON; | B82Y30/00; B01J21/06; C01G23/04; C01G25/02; B01J37/08; B82B3/00; | COMPOSITION BASED ON ZIRCONIUM OXIDE, TITANIUM OXIDE OR MIXED ZIRCONIUM AND TITANIUM OXIDE, DEPOSITED ON SILICON OXIDE SUPPORT, METHODS OF PRODUCING SAID COMPOSITION AND USE THEREOF AS CATALYST |
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| JP2012052222 A 20120315 | US20100365911P; | ROHM & HAAS ELECT MATERIALS; | H05K3/18; C23C18/30; B82Y30/00; B22F1/00; C23C26/00; B22F1/02; | COMPOSITION OF NANOPARTICLES |
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| JP2012067296 A 20120405 | US20100384788P; | ROHM & HAAS; | C08L101/00; C08L25/04; C08L33/00; | UV-REFLECTING COMPOSITION |

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| KR20120030967 A 20120329 | US20100384788P; | ROHM & HAAS; | C08J5/18; C08L25/04; C08L101/00; C09D5/33; | UV-REFLECTING COMPOSITIONS |
| EP2431424 A2 20120321 | US20100384788P; | ROHM & HAAS; | C09D5/20; C09D101/00; C09D7/12; B82Y30/00; C08L101/12; C09D5/33; C08K7/16; | UV - reflecting compositions |
| US2012097229 A1 20120426 | JP20100235665; | ROHM CO LTD; | H01L31/0256; H01L31/18; H01L31/02; | ORGANIC THIN FILM PHOTOVOLTAIC DEVICE AND FABRICATION METHOD FOR THESAME |
| JP2012089705 A 20120510 | JP20100235665; | ROHM CO LTD; | H01L51/42; | ORGANIC THIN FILM SOLAR CELL AND METHOD OF MANUFACTURING THE SAME |
| US2012088099 A1 20120412 | EP20060405504;EP20 060405505;US200905 16231;US2009051686 5;US20090517121;US 201113323773;WO20 07CH00601;WO2007C H00602;WO2007CH00 603; | ROLEX SA;SUSOS AG; | B32B9/04; B32B3/00; B32B27/38; B32B19/00; C09D7/12; B32B27/00; B05D1/18; B32B27/34; B32B15/04; | ULTRA-THIN HYDROPHOBIC AND OLEOPHOBIC LAYER, METHOD OF MANUFACTURE ANDUSE IN WATCHMAKING AS AN EPILAME AND IN MECHANICAL ENGINEERING AS A BARRIER FILM |
| RU2010127788 A 20120120 | RU20100127788; | ROSSIJSKAJA FEDERATSIJA V LITSE MIN OBRAZOVANIJA I NAUKI;UCHREZHDENIE ROSSIJSKOJ AKADEMII NAUK INST KHIM FIZ RAN IPKHF RAN; | B82B3/00; C01B31/00; B82Y5/00; B82Y30/00; B82B1/00; C07C229/00; | AMINOFULLERENES AND SYNTHESIS METHOD THEREOF |
| US2012077095 A1 20120329 | US20100381400P;US 20100416193P;US201 113229479;US201161 467112P; | ROUMI FARSHID;ROUMI JAMSHID; | H01M10/50; H01M8/22; H01M2/38; H01M4/64; H01M8/04; H01M4/86; H01M4/36; H01G9/048; H01M4/02; H01R43/16; H01G9/155; | Electrochemical Energy Storage Systems and Methods |

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| EP2440451 A1 20120418 | WO2009SE50718; | SAAB AB; | B64C3/20; B29C65/52; B82B1/00; B64C7/00; B64C3/26; B29C65/48; B64C1/00; | AN AIRCRAFT STRUCTURE WITH STRUCTURAL PARTS CONNECTED BY NANOSTRUCTURE AND A METHOD FOR MAKING SAID AIRCRAFT STRUCTURE |
| US2012074265 A1 20120329 | WO2009SE50716; | SAAB AB; | C08L63/00; B64C9/00; B32B37/14; C08L79/08; C08K3/04; C08L81/04; B32B3/26; C08L79/04; C08L79/00; C08L61/06; C08L61/16; B32B37/12; C08L67/00; C08L35/00; C08L31/02; | NANO-REINFORCED RADIUS FILLER FOR AN AIRCRAFT STRUCTURE AND A METHOD OF PRODUCING AN AIRCRAFT STRUCTURE COMPRISING SUCH FILLER |
| US2012088056 A1 20120412 | WO2009SE50719; | SAAB AB; | B32B3/14; B32B7/14; | STRUCTURAL LONGITUDINAL COMPOSITE JOINT FOR AIRCRAFT STRUCTURE |
| CN102352108 A 20120215 | US20030495357P;US 20040903362; | SABIC INNOVATIVE PLASTICS IP; | C08L77/02; C08L71/12; C08L77/00; C08L77/06; C08K3/40; C08L23/00; C08L53/02; | Poly(arylene ether)/polyamide composition |
| CN102352095 A 20120215 | US20030748393;US20 040020835; | SABIC INNOVATIVE PLASTICS IP; | C08L27/18; C08L69/00; C08L51/00; C08L55/02; C08K3/34; C08L27/12; C08K7/06; C08L67/02; C08K5/523; C08K9/10; | Polymer compositions, method of manufacture, and articles formed therefrom |
| AT553463T T 20120415 | US20030723625;WO2 004US38667; | SABIC INNOVATIVE PLASTICS IP; | G07D7/12; G11B23/28; G11B7/253; G11B20/00; | VERFAHREN ZUM AUTHENTIFIZIEREN VON POLYMEREN, AUTHENTIFIZIERBARE POLYMERE UND AUTHENTIFIZIERBARER ARTIKEL. |
| AT554054T T 20120515 | FI20040000186;WO20 05FI00074; | SACHTLEBEN PIGMENTS OY; | C03C17/25; B01J35/00; B01D53/86; C01G23/053; C03C17/00; B01D9/00; B01J37/03; | TITANOXIDPRODUKT, HERSTELLUNGSVERFAHREN DAFÜR UND VERWENDUNG DAVON ALS PHOTOKATALYSATOR |

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| AT554053T T 20120515 | FI20070000618;WO20 08FI50466; | SACHTLEBEN PIGMENTS OY; | C09D7/12; C09D5/29; B82Y30/00; C09C1/36; C01G23/047; | VERFAHREN ZUR HERSTELLUNG EINES GUT DISPERGIERBAREN MIKROKRISTALLINENTITANDIOXID- PRODUKTS |
| US2012128786 A1 20120524 | GB20090013255;WO2 010GB01456; | SAFFIE-SIEBERT ROGHIEH; | A61K33/00; B05D3/00; A61P39/00; A61K8/25; | Delivery System Comprising A Silicon-Containing Material |
| CN102341344 A 20120201 | JP20090049282;JP20 090057925;WO2010U S26049; | SAIAN CORP; | C01B21/36; B01J19/08; | high concentration NO2 generating system and method for generatinghigh concentration NO2 using the generating system |
| EP2429944 A2 20120321 | JP20090049282;JP20 090057925;WO2010U S26049; | SAIAN CORP; | C01B21/36; B01J19/08; | HIGH CONCENTRATION NO2 GENERATING SYSTEM AND METHOD FOR GENERATINGHIGH CONCENTRATION NO2 USING THE GENERATING SYSTEM |
| MY145461 A 20120215 | US20050251633; | SAINT GOBAIN CERAMICS; | C09K3/14; | ABRASIVE PARTICULATE MATERIAL, AND METHOD OF PLANARIZING A WORKPIECEUSING THE ABRASIVE PARTICULATE MATERIAL |
| US2012153547 A1 20120621 | US20070884925P;US 20080014418;US2012 13406299; | SAINT GOBAIN CERAMICS; | C04B35/645; | CERAMIC PARTICULATE MATERIAL AND PROCESSES FOR FORMING SAME |
| NZ578062 A 20120525 | US20070884925P;WO 2008US51066; | SAINT GOBAIN CERAMICS; | C01F7/44; C01F7/02; | CERAMIC PARTICULATE MATERIAL AND PROCESSES FOR FORMING SAME |
| EP2459500 A2 20120606 | US20090271738P;WO 2010US42905; | SAINT GOBAIN CERAMICS; | C04B35/64; C04B35/563; C04B35/565; C04B35/56; | HIGH TOUGHNESS CERAMIC COMPOSITES |
| EP2456733 A2 20120530 | US20090271694P;WO 2010US42912; | SAINT GOBAIN CERAMICS; | C04B35/563; C04B35/622; C04B35/64; C04B35/634; C01B31/36; | METHODS OF FORMING SINTERED BORON CARBIDE |
| AT555179T T 20120515 | US20050251633;WO2 006US40295; | SAINT GOBAIN CERAMICS; | C09K3/14; C01F7/02; C09G1/02; | TEILCHENFÖRMIGES SCHLEIFMATERIAL UND VERFAHREN ZUR PLANIERUNG EINESWERKSTÜCKS MITHILFE DES TEILCHENFÖRMIGEN SCHLEIFMATERIALS |
| US2012114881 A1 20120510 | US20060868856P;US 20070947482;US2012 | SAINT GOBAIN CERAMICS; | C08K9/00; | TREATED ALUMINA HYDRATE MATERIAL AND USES THEREOF |

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| | 13349916; | | | |
| CN102325726 A 20120118 | JP20090036491;WO2 010JP52573; | SAKAI CHEMICAL INDUSTRY CO; | C01G23/053; C08L101/00; C09C1/36; C09D17/00; C08K3/22; B01J13/00; | Dispersion of rutile titanium oxide particles, method for producing same and use of same |
| US2012059156 A1 20120308 | US20090177256P;US 201013319989;WO20 10US34248; | SALEMME F RAYMOND;WEBER PATRICIA C; | C07K16/46; | METHOD OF PROTEIN NANOSTRUCTURE FABRICATION |
| US2012057271 A1 20120308 | KR20100086481; | SAMHWA CAPACITOR CO LTD; | C03C14/00; H01G4/12; C03C3/089; C03C3/093; | GLASS COMPOSITIONS, DIELECTRIC COMPOSITIONS AND MULTILAYER CERAMIC CAPACITOR HAVING HIGH CAPACITANCE USING THE SAME |
| KR20120064961 A 20120620 | KR20100126242; | SAMSUNG ELECTRO MECH; | C04B35/622; C04B35/468; | A MANUFACTURING METHOD OF PEROVSKITE POWDER, PEROVSKITE POWDER AND LAMINATED CERAMIC ELECTRONIC PART MANUFACTURED BY THE SAME |
| KR20120064944 A 20120620 | KR20100126219; | SAMSUNG ELECTRO MECH; | H01G9/042; | AN ELECTRODE FOR ENERGY STORAGE DEVICE, A MANUFACTURING METHOD OF THE SAME, AND AN ENERGY STORAGE DEVICE USING THE SAME |
| US2012062505 A1 20120315 | KR20100089931; | SAMSUNG ELECTRO MECH; | B05D5/12; G06F3/045; | CAPACITIVE TOUCH PANEL AND METHOD OF MANUFACTURING THE SAME |
| US2012111730 A1 20120510 | KR20090036143;US20 090608357;US201213 347406; | SAMSUNG ELECTRO MECH; | C23C28/00; C25D7/00; C25D5/54; | COMPOSITE ELECTRODE AND METHOD FOR MANUFACTURING THE SAME |
| US2012162856 A1 20120628 | KR20100135457; | SAMSUNG ELECTRO MECH; | H01G4/008; H01B1/16; | CONDUCTIVE PASTE COMPOSITION FOR TERMINATION ELECTRODE AND MULTILAYER CERAMIC CAPACITOR INCLUDING THE SAME AND MANUFACTURING METHOD THEREOF |

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|-----------------------------|----------------|--------------------------|--|--|
| US2012148921 A1 20120614 | KR20100126219; | SAMSUNG ELECTRO MECH; | H01M4/66; H01G9/155; H01M4/62; H01M4/04; B05D5/12; H01G9/15; H01M4/583; H01G9/145; B32B38/08; H01G9/042; | ELECTRODE FOR ENERGY STORAGE DEVICE, METHOD OF MANUFACTURING THE SAME, AND ENERGY STORAGE DEVICE USING THE SAME |
| US2012050947 A1 20120301 | KR20100084818; | SAMSUNG ELECTRO MECH; | H01G9/00; H01G9/15; H01G9/155; H01G7/00; | ENERGY STORAGE APPARATUS AND METHOD FOR MANUFACTURING THE SAME |
| JP2012074703 A 20120412 | KR20100094414; | SAMSUNG ELECTRO MECH; | H01L33/64; H01L23/36; H01L23/12; C01B31/02; | HEAT DISSIPATION SUBSTRATE, MANUFACTURING METHOD THEREFOR, AND LIGHT-EMITTING ELEMENT PACKAGE INCLUDING THE HEAT DISSIPATION SUBSTRATE |
| US2012063059 A1 20120315 | KR20100088451; | SAMSUNG ELECTRO MECH; | H01G9/155; H01G13/00; | HYBRID SUPERCAPACITOR AND METHOD OF MANUFACTURING THE SAME |
| US2012050952 A1 20120301 | KR20100084816; | SAMSUNG ELECTRO MECH; | H01G9/042; | Lithium ion capacitor |
| JP2012054552 A 20120315 | KR20100084816; | SAMSUNG ELECTRO MECH; | H01G9/058; | LITHIUM ION CAPACITOR |
| KR20120050835 A 20120521 | KR20100112282; | SAMSUNG ELECTRO MECH; | H05K1/03; B32B15/08; | METAL CLAD LAMINATE AND METHOD FOR MANUFACTURING THE SAME, HEAT- RADIATING SUBSTRATE |
| JP2012101530 A 20120531 | KR20100112282; | SAMSUNG ELECTRO MECH; | B32B15/08; | METAL CLAD LAMINATE, METHOD FOR MANUFACTURING THE SAME, AND HEAT- RADIATING SUBSTRATE |
| CN102463722 A 20120523 | KR20100112282; | SAMSUNG ELECTRO MECH; | H05K7/20; B32B27/14; B32B27/04; B32B15/16; | Metal clad laminate, method of manufacturing the same, and heat-radiating substrate |
| US2012118615 A1 20120517 | KR20100112282; | SAMSUNG ELECTRO MECH; | H05K1/03; B32B15/04; B32B7/02; B32B37/24; | METAL CLAD LAMINATE, METHOD OF MANUFACTURING THE SAME, AND HEAT- RADIATING SUBSTRATE |

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| JP2012007141 A 20120112 | KR20100060073; | SAMSUNG ELECTRO MECH; | C09D11/00; H01B1/22; H05K1/09; H01B13/00; H05K3/10; H01B5/14; H01B1/00; | METAL INK COMPOSITION AND METHOD FOR FORMING METAL WIRING USING THE SAME AND ELECTROCONDUCTIVE PATTERN FORMED BY THE METAL INK COMPOSITION |
| US2012141790 A1 20120607 | KR20100122087; | SAMSUNG ELECTRO MECH; | B32B5/16; C01F11/06; | METHOD FOR MANUFACTURING BARIUM TITANATE POWDER AND BARIUM TITANATE POWDER MANUFACTURED BY THE SAME |
| US2012147523 A1 20120614 | KR20100126242; | SAMSUNG ELECTRO MECH; | C01F11/02; C04B35/468; H01G4/06; | METHOD OF MANUFACTURING PEROVSKITE POWDER, PEROVSKITE POWDER MANUFACTURED BY THE SAME AND MULTILAYER CERAMIC ELECTRONIC COMPONENT |
| US2012148960 A1 20120614 | KR20080053667; US20 080222177; US201213 403380; | SAMSUNG ELECTRO MECH; | G03F7/20; | METHOD OF MANUFACTURING PRINTED CIRCUIT BOARD |
| JP2012116740 A 20120621 | KR20100122087; | SAMSUNG ELECTRO MECH; | C01G23/00; | METHOD OF PRODUCING BARIUM TITANATE POWDER, AND BARIUM TITANATE POWDER |
| US2012138215 A1 20120607 | KR20100122733; | SAMSUNG ELECTRO MECH; | C03B8/00; C03B19/10; B32B38/14; C03C3/089; C03C12/00; | NANO GLASS POWDER FOR SINTERING ADDITIVE AND METHOD FOR FABRICATING THE SAME |
| US2012121973 A1 20120517 | KR20100113412; | SAMSUNG ELECTRO MECH; | H01M10/04; H01M4/58; H01M4/583; H01M10/02; B05D5/12; H01M4/02; | NEGATIVE ACTIVE MATERIAL AND LITHIUM SECONDARY BATTERY WITH THE SAME, AND METHOD FOR MANUFACTURING THE LITHIUM SECONDARY BATTERY |
| KR20120051993 A 20120523 | KR20100113412; | SAMSUNG ELECTRO MECH; | H01M10/0525; B82B3/00; H01M4/58; H01B1/04; | NEGATIVE ACTIVE MATERIAL AND LITHIUM SECONDARY BATTERY WITH THE SAME, AND METHOD FOR MANUFACTURING THE LITHIUM SECONDARY BATTERY |

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| KR20120032871 A 20120406 | KR20100094414; | SAMSUNG ELECTRO MECH; | H01L33/64; | RADIATING SUBSTRATE AND METHOD FOR MANUFACTURING THE RADIATING SUBSTRATE, AND LUMINOUS ELEMENT PACKAGE WITH THE RADIATING STRUCTURE |
| CN102437279 A 20120502 | KR20100094414; | SAMSUNG ELECTRO MECH; | H01L33/48; H01L33/64; H01L33/00; | Radiating substrate and method for manufacturing the radiating substrate, and luminous element package with the radiating substrate |
| TW201220562 A 20120516 | KR20100094414; | SAMSUNG ELECTRO MECH; | H01L33/64; | Radiating substrate and method for manufacturing the radiating substrate, and luminous element package with the radiating substrate |
| US2012074430 A1 20120329 | KR20100094414; | SAMSUNG ELECTRO MECH; | B32B27/38; C08L63/00; H01L33/64; B32B37/24; B32B9/00; B32B27/20; | Radiating substrate and method for manufacturing the radiating substrate, and luminous element package with the radiating substrate |
| KR20120010359 A 20120203 | KR20100071834; | SAMSUNG ELECTRO MECH; | G06F3/041; G06F3/045; | TRANSPARENT CONDUCTIVE FILM FOR TOUCH PANEL AND MANUFACTURING METHOD THE SAME |
| JP2012027888 A 20120209 | KR20100071834; | SAMSUNG ELECTRO MECH; | B32B15/02; H01B13/00; G06F3/041; H01B5/14; | TRANSPARENT CONDUCTIVE FILM FOR TOUCH PANEL AND METHOD FOR MANUFACTURING THE SAME |
| US2012018200 A1 20120126 | KR20100071834; | SAMSUNG ELECTRO MECH; | H05K1/09; H05K3/00; | TRANSPARENT CONDUCTIVE FILM FOR TOUCH PANEL AND METHOD FOR MANUFACTURING THE SAME |
| US2012008252 A1 20120112 | KR20080087271; US20 090369401; US201113 236173; | SAMSUNG ELECTRO MECH; SAMSUNG ELECTRONICS CO LTD; | H01G4/06; H01B1/24; C08L63/02; | DIELECTRIC PASTE HAVING A LOW DIELECTRIC LOSS, METHOD OF MANUFACTURE THEREOF AND AN ARTICLE THAT USES THE SAME |

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| JP2012006821 A 20120112 | KR20100060149; | SAMSUNG ELECTRO MECH;YONSEI UNIV INDUSTRY ACADEMIC COOPERATIONFOUNDATI ON; | C01G45/12; C01B31/02; H01M4/505; H01M4/36; | LITHIUM MANGANESE OXIDE-CARBON NANOCOMPOSITE, AND METHOD FOR PRODUCINGTHE SAME |
| TWI362362B B 20120421 | US20040817135; | SAMSUNG ELECTRONICS CO LTD; | B82B1/00; B82B3/00; B44C1/22; G03F7/00; | A method of creating a patterned monolayer on a surface |
| US2012132862 A1 20120531 | KR20070046670; | SAMSUNG ELECTRONICS CO LTD; | B05D5/12; H01B1/24; | CARBON NANOTUBE DISPERSION AND METHOD OF PREPARING TRANSPARENT ELECTRODE USING THE CARBON NANOTUBE DISPERSION |
| US2012028165 A1 20120202 | KR20100072485;KR20 110067972; | SAMSUNG ELECTRONICS CO LTD; | B01J27/20; H01M4/90; | COMPOSITE, ELECTRODE CATALYST INCLUDING THE COMPOSITE, METHOD OF PREPARING THE COMPOSITE, AND FUEL CELL INCLUDING THE COMPOSITE |
| KR20120010960 A 20120206 | KR20100072485;KR20 110067972; | SAMSUNG ELECTRONICS CO LTD; | B01J27/24; H01M8/02; H01M4/90; B01J37/08; | COMPOSITE, ELECTRODE CATALYST INCLUDING THE SAME, MANUFACTURING METHOD THEREOF, AND FUEL CELL USING THE SAME |
| TWI355554B B 20120101 | KR20050122752; | SAMSUNG ELECTRONICS CO LTD; | H01L29/786; G02F1/1368; | Display device and manufacturing method therefor |
| US2012009512 A1 20120112 | KR20080125971;US20 090654174;US201113 240735; | SAMSUNG ELECTRONICS CO LTD; | G03F1/24; | EXTREME ULTRAVIOLET PHOTOMASK |
| US2012070612 A1 20120322 | KR20100091963; | SAMSUNG ELECTRONICS CO LTD; | B32B33/00; B32B3/00; B32B37/02; B32B27/00; B32B19/00; | GRAPHENE-POLYMER LAYERED COMPOSITE AND PROCESS FOR PREPARING THE SAME |
| KR20120029864 A 20120327 | KR20100091963; | SAMSUNG ELECTRONICS CO LTD; | C08L101/12; B82B3/00; C08K3/04; H01B1/24; | GRAPHENE-POLYMER LAYERED COMPOSITE AND PROCESS FOR PREPARING THE SAME |
| US2012080658 A1 20120405 | KR20100095971; | SAMSUNG ELECTRONICS CO LTD; | H01L29/772; H01L21/336; | Graphene electronic device and method of fabricating the same |

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| KR20120034419 A 20120412 | KR20100095971; | SAMSUNG ELECTRONICS CO LTD; | H01L21/336; H01L29/78; | GRAPHENE ELECTRONIC DEVICE AND METHOD OF FABRICATING THE SAME |
| JP2012119665 A 20120621 | KR20100120614; | SAMSUNG ELECTRONICS CO LTD; | B82Y30/00; H01L51/05; H01L29/06; H01L51/30; H01L29/786; | GRAPHENE ELECTRONIC ELEMENT |
| US2012070641 A1 20120322 | KR20070091642;US20 080168440;US201113 305192; | SAMSUNG ELECTRONICS CO LTD; | C01B31/04; B32B7/02; | GRAPHENE SHEET AND PROCESS OF PREPARING THE SAME |
| US2012088123 A1 20120412 | KR20070092650;US20 080132319;US201113 308762; | SAMSUNG ELECTRONICS CO LTD; | C01B31/00; H05B6/64; B32B19/00; | GRAPHENE SHELL AND PROCESS OF PREPARING THE SAME |
| US2012141700 A1 20120607 | KR20100124233; | SAMSUNG ELECTRONICS CO LTD; | C23C16/56; B05D3/00; C23C16/26; B32B1/08; C23F1/00; B32B3/00; B32B3/10; | GRAPHENE STRUCTURE AND METHOD OF FABRICATING THE SAME |
| JP2012121786 A 20120628 | KR20100124233; | SAMSUNG ELECTRONICS CO LTD; | C01B31/02; B82Y40/00; B82Y30/00; | GRAPHENE STRUCTURE AND METHOD OF PRODUCING THE SAME |
| JP2012001431 A 20120105 | KR20100058604; | SAMSUNG ELECTRONICS CO LTD; | H01L51/05; H01L29/786; H01L51/40; H01L21/336; B82B1/00; C01B31/02; | GRAPHENE SUBSTITUTED WITH BORON AND NITROGEN, METHOD FOR PRODUCING THE SAME, AND TRANSISTOR PROVIDED WITH THE SAME |
| US2012138903 A1 20120607 | KR20100121331; | SAMSUNG ELECTRONICS CO LTD; | H01L21/20; H01L29/12; | Graphene Substrates And Methods Of Fabricating The Same |
| US2012132357 A1 20120531 | KR20080055310;US20 090358830;US201213 364465; | SAMSUNG ELECTRONICS CO LTD; | B32B37/14; B32B37/02; | METHOD FOR EXFOLIATING CARBONIZATION CATALYST FROM GRAPHENE SHEET, METHOD FOR TRANSFERRING GRAPHENE SHEET FROM WHICH CARBONIZATION CATALYST IS EXFOLIATED TO DEVICE, GRAPHENE SHEET AND DEVICE USING THE GRAPHENE SHEET |
| US2012047474 A1 20120223 | KR20100080409; | SAMSUNG ELECTRONICS CO LTD; | G06F17/50; | Method for Manufacturing Semiconductor Devices |

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| KR20120017668 A 20120229 | KR20100080409; | SAMSUNG ELECTRONICS CO LTD; | H01L21/027; | METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICES |
| US2012132358 A1 20120531 | KR20080105556;US20 090434883;US201113 108186;US201213364 481; | SAMSUNG ELECTRONICS CO LTD; | C08G69/10; | METHOD FOR REMOVING A CARBONIZATION CATALYST FROM A GRAPHENE SHEET AND METHOD FOR TRANSFERRING THE GRAPHENE SHEET |
| US2012021249 A1 20120126 | KR20100060659; | SAMSUNG ELECTRONICS CO LTD; | B05D5/00; B32B9/00; B05D3/06; | METHOD OF CONTROLLING NUMBER OF GRAPHENE LAYERS |
| US2012100684 A1 20120426 | KR20100103937; | SAMSUNG ELECTRONICS CO LTD; | H01L21/336; | METHOD OF FABRICATING SEMICONDUCTOR DEVICE |
| US2012003587 A1 20120105 | KR20070080325;US20 080076491;US201113 236945; | SAMSUNG ELECTRONICS CO LTD; | G03F7/20; | METHOD OF FORMING FINE PATTERNS USING A BLOCK COPOLYMER |
| US2012152887 A1 20120621 | KR20100128624; | SAMSUNG ELECTRONICS CO LTD; | B29C33/42; | Method Of Manufacturing Nanoimprint Stamp |
| US2012008123 A1 20120112 | KR20090049097;US20 100659261;US201009 10605;US2011132387 48; | SAMSUNG ELECTRONICS CO LTD; | G21K1/06; G03F7/20; G02B27/44; | METHOD OF MEASURING AERIAL IMAGE OF EUV MASK |
| US2012149156 A1 20120614 | KR20070122148;US20 080313887;US201213 404051; | SAMSUNG ELECTRONICS CO LTD; | H01L21/336; H01L21/44; | METHODS OF MANUFACTURING SEMICONDUCTOR DEVICES |
| US2012015489 A1 20120119 | KR20100067763; | SAMSUNG ELECTRONICS CO LTD; | H01L21/8238; H01L21/336; | METHODS OF MANUFACTURING SEMICONDUCTOR DEVICES |
| US2012091406 A1 20120419 | KR20080050835;US20 080260197;US201113 046909;US201113335 019; | SAMSUNG ELECTRONICS CO LTD; | H01B1/12; | NANOCRYSTAL-METAL OXIDE-POLYMER COMPOSITES AND PREPARATION METHOD THEREOF |
| US2012068118 A1 20120322 | US20040536962P;US 20040635784P;US200 50034216;US2006049 2717;US20090590619; US201113277361; | SAMSUNG ELECTRONICS CO LTD; | B32B5/16; C09K11/02; C07F19/00; | NANOCRYSTAL DOPED MATRIXES |

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| KR20120015945 A 20120222 | KR20100078491; | SAMSUNG ELECTRONICS CO LTD; | H01B5/00; H01B1/00; B01J8/00; C09K11/00; | PARTICLE HAVING PERMANENT DIPOLE MOMENT, FILM INCLUDING THE PARTICLE AND METHOD OF PREPARING THE FILM |
| US2012037851 A1 20120216 | KR20100078491; | SAMSUNG ELECTRONICS CO LTD; | B05D3/00; C09K11/00; B05D3/12; H01B1/12; B05D3/14; | PARTICLES HAVING PERMANENT DIPOLE MOMENT, FILMS INCLUDING THE PARTICLES, AND METHODS OF PREPARING THE FILMS |
| US2012115048 A1 20120510 | KR20100109261; | SAMSUNG ELECTRONICS CO LTD; | B01J21/18; H01M8/02; H01M8/22; | POSITIVE ELECTRODE FOR LITHIUM AIR BATTERY, METHOD OF PREPARING THE POSITIVE ELECTRODE, AND LITHIUM AIR BATTERY INCLUDING THE POSITIVE ELECTRODE |
| KR20120047602 A 20120514 | KR20100109261; | SAMSUNG ELECTRONICS CO LTD; | H01M12/06; | POSITIVE ELECTRODE FOR LITHIUM AIR BATTERY, METHOD OF PREPARING THE SAME, AND LITHIUM AIR BATTERY EMPLOYING THE SAME |
| US2012056355 A1 20120308 | KR20070014390;US20080025375;US201113298404; | SAMSUNG ELECTRONICS CO LTD; | B29C59/16; | PROCESS AND APPARATUS FOR ULTRAVIOLET NANO-IMPRINT LITHOGRAPHY |
| CN102482077 A 20120530 | KR20090062149;KR20100055436;WO2010KR04413; | SAMSUNG ELECTRONICS CO LTD; | B82B3/00; B82B1/00; | Semiconductor nanocrystal and preparation method thereof |
| EP2451741 A2 20120516 | KR20090062149;KR20100055436;WO2010KR04413; | SAMSUNG ELECTRONICS CO LTD; | B82B3/00; B82B1/00; | SEMICONDUCTOR NANOCRYSTAL AND PREPARATION METHOD THEREOF |
| KR20120055386 A 20120531 | KR20100117105; | SAMSUNG ELECTRONICS CO LTD; | H01L31/042; H01L31/072; | SOLAR CELL AND METHOD OF MANUFACTURING THE SAME |
| US2012125413 A1 20120524 | KR20100117105; | SAMSUNG ELECTRONICS CO LTD; | H01L51/44; H01L31/18; H01L31/072; H01L31/0224; | SOLAR CELLS AND METHODS OF MANUFACTURING THE SAME |
| KR20120047541 A 20120514 | KR20100109166; | SAMSUNG ELECTRONICS CO LTD; | G02F1/136; H01L29/786; | THIN FILM TRANSISTOR SUBSTRATE AND METHOD FOR MANUFACTURING THEREOF |

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| US2012080086 A1 20120405 | KR20100096919;KR20110060795; | SAMSUNG ELECTRONICS CO LTD; | H01L31/0224; H01L21/44; B32B9/00; B32B9/04; | Transparent Electrode Comprising Doped Graphene, Process of PreparingThe Same, And Display Device And Solar Cell Comprising The Electrode |
| US2012161101 A1 20120628 | US20040569452P;US20050125129;US20060353957;US201113168393; | SAMSUNG ELECTRONICS CO LTD; | H01L33/04; H01L33/30; | WATER STABLE III-V SEMICONDUCTOR NANOCRYSTAL COMPLEXES AND METHODS OFMAKING SAME |
| US2012157607 A1 20120621 | KR20100129809; | SAMSUNG ELECTRONICS CO LTD;SHINIL CHEMICAL INDUSTRY CO LTD; | C08L67/03; | TRANSPARENT AND FLAME RETARDING POLYESTER RESIN COMPOSITION ANDPREPARATION METHOD THEREOF |
| US2012088180 A1 20120412 | KR20100099543; | SAMSUNG ELECTRONICS CO LTD;SNU R&DB FOUNDATION; | H01M8/10; H01M8/00; B05D5/12; | MEMBRANE ELECTRODE ASSEMBLY, SOLID OXIDE FUEL CELL COMPRISING THE SAMEAND METHOD OF PREPARING THE MEMBRANE ELECTRODE ASSEMBLY |
| US2012126327 A1 20120524 | KR20100116247; | SAMSUNG ELECTRONICS CO LTD;UNIV IND & ACAD COLLABORATION; | H01L21/336; H01L29/78; | RESONATOR HAVING TERMINALS AND A METHOD FOR MANUFACTURING THE RESONATOR |
| KR20120054881 A 20120531 | KR20100116247; | SAMSUNG ELECTRONICS CO LTD;UNIV KOREA RES & BUS FOUND; | B82B3/00; H01P7/00; | 3-TERMINAL RESONATOR AND THE METHOD THEREOF |
| KR20120005877 A 20120117 | KR20100066562; | SAMSUNG ELECTRONICS CO LTD;UNIV LELAND STANFORD JUNIOR; | H01M4/86; H01M8/12; B82B3/00; H01M8/02; | METHOD FOR PREPARING PROTON CONDUCTING SOLID OXIDE FUEL CELL AND THESAME PREPARED BY THE METHOD |
| WO2012060601 A2 20120510 | US20100408805P;US201113282783; | SAMSUNG ELECTRONICS CO LTD;UNIV LELAND STANFORD JUNIOR; | H01B1/04; B82B3/00; B01F17/32; B82Y40/00; C01B31/02; | METHOD OF SELECTIVE SEPARATION OF SEMICONDUCTING CARBON NANOTUBES, DISPERSION OF SEMICONDUCTING CARBON NANOTUBES, AND ELECTRONIC DEVICE INCLUDING CARBON NANOTUBES SEPARATED BY USING THE METHOD |

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| US2012104328 A1 20120503 | US20100408805P;US 201113282783; | SAMSUNG ELECTRONICS CO LTD;UNIV LELAND STANFORD JUNIOR; | H01B1/04; D01F9/12; | Method of Selective Separation Of Semiconducting Carbon Nanotubes,Dispersion Of Semiconducting Carbon Nanotubes, And Electronic Device Including Carbon Nanotubes Separated By Using The Method |
| US2012009501 A1 20120112 | KR20100066562; | SAMSUNG ELECTRONICS CO LTD;UNIV LELAND STANFORD JUNIOR; | H01M8/10; | METHODS OF MANUFACTURING PROTON CONDUCTIVE SOLID OXIDE FUEL CELL ANDPROTON CONDUCTIVE SOLID OXIDE FUEL CELLS MANUFACTURED BY USING THE METHODS |
| KR20120000338 A 20120102 | KR20100060659; | SAMSUNG ELECTRONICS CO LTD;UNIV SUNGKYUNKWAN; | B01J19/08; C01B31/02; H01L21/02; H01B1/04; | CONTROLLING METHOD OF GRAPHENE LAYERS |
| JP2012064944 A 20120329 | KR20100091259;KR20 110092511; | SAMSUNG LED CO LTD; | H01L33/34; C01B31/02; H01L33/06; B82Y20/00; B82Y30/00; | GRAPHENE LIGHT EMITTER AND METHOD OF MANUFACTURING THE SAME |
| US2012138937 A1 20120607 | KR20100123603; | SAMSUNG MOBILE DISPLAY CO LTD; | H01L33/08; B05D5/06; G02B5/02; B05D3/02; B05D5/12; | Light-Scattering Substrate, Method of Manufacturing the Same, OrganicLight-Emitting Display Device Including the Same, and Method of Manufacturing the Organic Light-Emitting Display Device |
| US2012132916 A1 20120531 | KR20100118081; | SAMSUNG MOBILE DISPLAY CO LTD; | H01L33/16; | ORGANIC LIGHT-EMITTING DISPLAY APPARATUS AND METHOD OF MANUFACTURINGTHE SAME |
| KR20120062279 A 20120614 | KR20100123474; | SAMSUNG SDI CO LTD; | C04B35/113; C01F7/02; H01M10/39; H01B1/08; | BETA ALUMINA SOLID ELECTROLYTE AND MANUFACTURING METHOD THEREOF |
| EP2453266 A1 20120516 | KR20100114029; | SAMSUNG SDI CO LTD; | H01L51/42; G02B5/08; H01G9/20; H01M14/00; | Dye-sensitized solar cell |
| KR101135476B B1 20120413 | KR20100114029; | SAMSUNG SDI CO LTD; | H01L31/052; | DYE-SENSITIZED SOLAR CELL |
| US2012046434 A1 20120223 | KR20070007643;KR20 070103168;US200709 85531;US2011132002 | SAMSUNG SDI CO LTD; | H01M4/02; | Method of preparing a nanofiber and a fuel cell including the nanofiber |

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| KR20120013834 A 20120215 | KR20100076095; | SAMSUNG SDI CO LTD; | H01M4/583; H01M4/48; H01M4/62; H01M10/0525; | NEGATIVE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM BATTERY AND RECHARGEABLE LITHIUM BATTERY INCLUDING SAME |
| US2012034523 A1 20120209 | KR20100076095; | SAMSUNG SDI CO LTD; | H01M4/48; H01M4/62; H01M4/52; | NEGATIVE ACTIVE MATERIAL FOR RECHARGEABLE LITHIUM BATTERY AND RECHARGEABLE LITHIUM BATTERY INCLUDING SAME |
| US2012064405 A1 20120315 | US20100383122P;US 201113047739; | SAMSUNG SDI CO LTD; | H01B1/04; H01G9/008; H01B1/12; H01M4/60; | POSITIVE ACTIVE MATERIAL COMPOSITION AND POSITIVE ELECTRODE FORELECTROCHEMICAL DEVICE, AND ELECTROCHEMICAL DEVICE INCLUDING THE SAME |
| US2012107667 A1 20120503 | KR20100106116; | SAMSUNG SDI CO LTD; | H01M10/052; H01M2/16; | RECHARGEABLE LITHIUM BATTERY |
| KR20120011921 A 20120209 | KR20100072486; | SAMSUNG TECHWIN CO LTD; | C23C14/56; C01B31/02; C23C14/06; | Method for manufacturing graphene |
| KR20120001354 A 20120104 | KR20100062096; | SAMSUNG TECHWIN CO LTD; | B82B3/00; B41M5/10; C01B31/02; | METHOD FOR MANUFACTURING GRAPHENE TRANSFER FILM AND APPARATUS FORMANUFACTURING GRAPHENE TRANSFER FILM |
| KR20120015185 A 20120221 | KR20100077491; | SAMSUNG TECHWIN CO LTD; | B05D1/26; C01B31/02; | METHOD FOR POST TREATMENT OF GRAPHENE AND METHOD FOR MANUFACTURINGGRAPHENE USING THE SAME |
| US2012025413 A1 20120202 | KR20100072486; | SAMSUNG TECHWIN CO LTD; | B29C39/14; | METHOD OF MANUFACTURING GRAPHENE |

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| KR20120007998 A 20120125 | KR20100068634; | SAMSUNG TECHWIN CO LTD;UNIV SUNGKYUNKWAN; | C01B31/02; C23C16/26; C23C16/50; | LOW-TEMPERATURE FORMING METHOD OF GRAPHENE, AND DIRECT TRANSFER OFGRAPHENE AND GRAPHENE SHEET USING THE SAME |
| US2012128983 A1 20120524 | KR20100114559;KR20110076577; | SAMSUNG TECHWIN CO LTD;UNIV SUNGKYUNKWAN; | B32B37/10; B32B9/00; B32B37/14; B32B37/02; B32B37/06; | MULTI-LAYERED GRAPHENE SHEET AND METHOD OF FABRICATING THE SAME |
| US8157886 B1 20120417 | US20080066398P;US20090371821; | SANDIA CORP; | B82Y40/00; B22F9/24; | Bulk synthesis of nanoporous palladium and platinum powders |
| TW201203641 A 20120116 | US20100765955; | SANDISK 3D LLC; | H01L45/00; | A memory cell that includes a carbon-based memory element and methodsof forming the same |
| US8193055 B1 20120605 | US20070958875; | SANDISK TECHNOLOGIES INC; | H01L21/336; | Method of forming memory with floating gates including self-alignedmetal nanodots using a polymer solution |
| US2012052381 A1 20120301 | JP20100195288;JP20110037922;JP20110120193; | SANYO ELECTRIC CO; | H01M4/131; B05D5/12; H01M4/62; H01M4/64; B05D3/02; | POSITIVE ELECTRODE FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY,BATTERY USING THE SAME, AND METHOD OF MANUFACTURING POSITIVE ELECTRODE FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY |
| FR2966750 A1 20120504 | FR20100058846; | SAPHIR PRODUCT SA; | C30B29/20; B01J2/04; C30B11/10; | INSTALLATION DE FABRICATION CONTINUE DES BILLES MILLIMETRIQUES D'OXYDES MIXTES POUR LA FABRICATION DE CRISTAUX SYNTHETIQUES |
| EP2442391 A1 20120418 | EP20050761216;US20040851789; | SARNOFF CORP; | H01M8/06; B01J8/08; H01M4/96; H01M8/04; H01M4/86; H01M8/02; | Electrochemical power source designs and components |
| US2012004094 A1 20120105 | WO2009JP56014; | SASATANI TORU;TAKESHIMA SHINICHI; | B01J31/26; B01J31/04; B01J31/02; | NANOPARTICLE CARRYING METHOD |

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| ES2378148T T3 20120409 | JP20020217136;WO2 003JP08028; | SATO KUNIMICHI; | C10B7/14; C10B53/07; C10B53/00; C10B47/46; C01B31/08; B09B3/00; C10G1/10; C01B31/02; | MÚtodo, sistema y recipiente de reciclaje de recursos |
| US2012010382 A1 20120112 | EP20090003867;WO2 010EP01618; | SAUDI BASIC IND CORP; | C08G63/183; | PROCESS FOR MAKING THERMOPLASTIC POLYESTERS |
| US2012122014 A1 20120517 | US20100414127P;US 201113297826; | SAVANNAH RIVER NUCLEAR SOLUTIONS LLC; | H01M8/00; H01M4/86; H01M8/10; | NANOCRYSTALLINE CERIUM OXIDE MATERIALS FOR SOLID FUEL CELL SYSTEMS |
| US2012051997 A1 20120301 | US20100377197P;US 201113199330; | SAVANNAH RIVER NUCLEAR SOLUTIONS LLC; | B32B3/26; C01B31/02; | Porous wall hollow glass microspheres as a medium or substrate for storage and formation of novel materials |
| US2012080189 A1 20120405 | US20060427233;US20 060746097P;US20060 771627P;US20111330 0907; | SCHLUMBERGER TECHNOLOGY CORP; | C09K8/00; B22F3/10; A47B43/00; | DEGRADABLE COMPOSITIONS, APPARATUS COMPRISING SAME, AND METHODS OF USE |
| US2012059198 A1 20120308 | GB20090004813;WO2 010IB00293; | SCHLUMBERGER TECHNOLOGY CORP; | C07C205/06; | DERIVATISATION OF CARBON |
| WO2012084536 A1 20120628 | DE201010063718; | SCHMID GUENTER;SIEMENS AG;TAROATA DAN; | B82Y30/00; H01G4/33; H01B3/30; B82Y40/00; H01G4/18; H05K1/16; | DIELECTRIC LAYER FOR AN ELECTRICAL COMPONENT, ELECTRICAL COMPONENT COMPRISING A DIELECTRIC LAYER AND METHOD FOR PRODUCING AN ELECTRICAL COMPONENT COMPRISING A DIELECTRIC LAYER |
| EP2452936 A1 20120516 | EP20060787247;US20 050699985P;US20060 486646; | SCRIPPS RESEARCH INST; | C07D249/04; C07D403/06; C07D249/06; | Compositions and methods for coupling a plurality of compounds to ascaffold |
| US2012076972 A1 20120329 | US20100893035; | SCRIVENS WALTER A;ZHOU HAO; | B32B5/26; B32B3/02; B29C47/88; | Nanofiber Non-Woven Composite |

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| US2012025339 A1 20120202 | US20080086873P;US 20080248237;US2011 13271302; | SEAGATE TECHNOLOGY LLC; | H01L29/82; | MAGNETIC MEMORY WITH STRAIN-ASSISTED EXCHANGE COUPLING SWITCH |
| US2012021535 A1 20120126 | US20080104400P;US 20090425466;US2011 13248360; | SEAGATE TECHNOLOGY LLC; | H01L21/02; | MAGNETIC STACK WITH OXIDE TO REDUCE SWITCHING CURRENT |
| US2012025426 A1 20120202 | US20100847964; | SEAGATE TECHNOLOGY LLC; | B29C59/02; | METHOD AND SYSTEM FOR THERMAL IMPRINT LITHOGRAPHY |
| US2012021597 A1 20120126 | JP20100166321; | SEDI INC;SUMITOMO ELECTRIC INDUSTRIES; | H01L21/28; | METHOD FOR FABRICATING SEMICONDUCTOR DEVICE |
| CN102459727 A 20120516 | US20090170199P;WO 2010US29934; | SEERSTONE LLC; | D01F9/00; | Method for producing solid carbon by reducing carbon oxides |
| US2012034150 A1 20120209 | US20090170199P;US 201013263311;WO20 10US29934; | SEERSTONE LLC; | C23C16/26; C01B31/00; C01B31/04; D01F9/12; C09C1/48; | Method for Producing Solid Carbon by Reducing Carbon Oxides |
| EP2419553 A1 20120222 | US20090170199P;WO 2010US29934; | SEERSTONE LLC; | D01F9/00; | METHOD FOR PRODUCING SOLID CARBON BY REDUCING CARBON OXIDES |
| CO6440587 A2 20120515 | US20090170199P; | SEERSTONE LLC; | D01F9/00; | MÉTODO PARA LA PRODUCCIÓN DE CARBONO SÓLIDO MEDIANTE LA REDUCCIÓN DE ÓXIDOS DE CARBONO |
| WO2012041646 A1 20120405 | DE201010041650; | SEIDEL CHRISTIAN;SIEMENS AG;ZEININGER HEINRICH; | A61B5/02; H01L51/00; B82Y15/00; | STRIP FOR CAPTURING VITAL DATA OF A PERSON |
| US2012119314 A1 20120517 | JP20060034548;US20 070624925;US201213 360245; | SEIKO EPSON CORP; | C08F224/00; H01L31/02; | PHOTOELECTRIC CONVERSION ELEMENT, METHOD FOR MANUFACTURING PHOTOELECTRIC CONVERSION ELEMENT, AND ELECTRONIC APPARATUS |

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| US2012083690 A1 20120405 | US20100389638P;US 201113252272; | SEMENOV SERGUEI Y; | A61B6/00; | SYSTEM AND METHOD FOR ELECTROMAGNETIC IMAGING AND THERAPEUTICS USINGSPECIALIZED NANOPARTICLES |
| US2012003529 A1 20120105 | JP20100151742; | SEMICONDUCTOR ENERGY LAB; | H01M4/50; H01M4/52; H01M4/66; | ELECTRODE MATERIAL AND METHOD FOR FORMING ELECTRODE MATERIAL |
| JP2012038725 A 20120223 | JP20100160951;JP20 110156991; | SEMICONDUCTOR ENERGY LAB; | H01M4/04; H01M4/62; | MANUFACTURING METHOD OF ELECTRODE OF POWER STORAGE DEVICE, ELECTRODEOF POWER STORAGE DEVICE, AND POWER STORAGE DEVICE |
| KR20120007984 A 20120125 | JP20100160951; | SEMICONDUCTOR ENERGY LAB; | H01M4/04; H01M4/62; H01M4/66; H01M4/58; | MANUFACTURING METHOD OF ELECTRODE OF POWER STORAGE DEVICE, ELECTRODEOF POWER STORAGE DEVICE, AND POWER STORAGE DEVICE |
| US2012015245 A1 20120119 | JP20100160951; | SEMICONDUCTOR ENERGY LAB; | B05D5/12; H01M4/66; H01M4/139; | MANUFACTURING METHOD OF ELECTRODE OF POWER STORAGE DEVICE, ELECTRODEOF POWER STORAGE DEVICE, AND POWER STORAGE DEVICE |
| US2012088151 A1 20120412 | JP20100228634; | SEMICONDUCTOR ENERGY LAB; | H01M4/13; | POSITIVE-ELECTRODE ACTIVE MATERIAL AND POWER STORAGE DEVICE |
| JP2012099468 A 20120524 | JP20100228634;JP20 110220889; | SEMICONDUCTOR ENERGY LAB; | H01M4/525; H01M10/052; H01M4/58; H01M4/36; H01M4/505; H01M10/0566; | POSITIVE ELECTRODE ACTIVE MATERIAL, AND ACCUMULATOR |
| CN102479920 A 20120530 | CN20101568181; | SEMICONDUCTOR MFG INT SHANGHAI; | H01L43/08; H01L43/12; B82Y10/00; B82Y40/00; | Manufacture method of nanometer annular magnetic tunnel structure andmanufacture method of magnetic resistance internal memory |

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| US2012118205 A1 20120517 | US20070957596P;US 20080197087;US2011 13109865;US2012133 55131; | SENSIENT COLORS LLC; | C09B67/00; C09B67/20; C09B67/10; | SELF-DISPERSED PIGMENTS AND METHODS FOR MAKING AND USING THE SAME |
| US2012114564 A1 20120510 | KR20070009707;KR20 070077029;WO2008K R00574; | SEOUL NAT UNIV IND FOUNDATION; | A61K49/12; A61K49/14; A61K49/16; A61K49/10; C01G45/02; | MRI T1 CONTRASTING AGENT COMPRISING MANGANESE OXIDE NANOPARTICLE |
| US2012132888 A1 20120531 | KR20100118971; | SEOUL OPTO DEVICE CO LTD; | H01L33/04; H01L29/06; | LIGHT EMITTING DEVICE AND METHOD OF FABRICATING THE SAME |
| ES2378989T T3 20120419 | EP20040025535; | SGL CARBON SE; | C08K3/36; C08K7/00; F16C33/16; C08K3/04; | Cuerpo de material deslizante resistente al desgaste de grafito yaglutinante de resina sintÚtica |
| DK1652877T T3 20120402 | EP20040025535; | SGL CARBON SE; | F16C33/16; C08K3/04; C08K3/36; C08K7/00; | Slidbestandigt glidemateriale, som omfatter grafit og etharpiksbindemiddel |
| CN102496563 A 20120613 | CN20111424965; | SH INTEGRATED CIRCUIT RES & DE; | H01L21/02; B82Y40/00; | Method for preparing silicon nanowire on monocrystalline siliconsubstrate |
| CN102432680 A 20120502 | CN20111363143; | SHAANXI GIANT BIOGENE TECHNOLOGY CO LTD; | C01B25/32; A61L27/56; A61L27/12; B82Y40/00; C12N15/12; A61L27/24; C07K14/78; C12N15/63; | Artificial bone made of recombinant collagen and fluorine-containingnano hydroxyapatite composite collagen |
| CN102491300 A 20120613 | CN20111363123; | SHAANXI GIANT BIOGENE TECHNOLOGY CO LTD; | C01B25/32; B82Y40/00; | Preparation method of amphiphilic monodisperse hydroxyapatitemonocrystal nanorod |
| CN102502812 A 20120620 | CN20111352461; | SHANDONG INST LIGHT INDUSTRY; | C01G23/053; B82Y40/00; | Method for preparing octahedral nano titanium dioxide |

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| CN102464353 A 20120523 | CN20101551315; | SHANDONG LUYANG SHARE CO LTD; | C01G25/04; B82Y40/00; | Preparation method for high-purity nanometer-type poly-hydroxyzirconium chloride sol |
| CN102321762 A 20120118 | CN20111270600; | SHANGHAI DENO TESTING SERVICE CO LTD; | C01G49/06; C12Q1/68; B82Y40/00; C12Q1/04; B82Y30/00; | Method for rapid detection of listeria monocytogenes with high sensitivity and kit thereof |
| CN102477156 A 20120530 | CN20101565545; | SHANGHAI GENIUS ADVANCED MAT; | C08F212/08; B82Y40/00; C08G69/18; | Preparation method of polystyrene-gamma-casting nylon 6 graftcopolymer with nanoparticle structure |
| CN102412121 A 20120411 | CN20111328166; | SHANGHAI HUALI MICROELECT CORP; | H01L21/02; B82Y40/00; | Fabrication method for silicon nanotubes |
| CN102354669 A 20120215 | CN20111328162; | SHANGHAI HUALI MICROELECT CORP; | H01L21/336; B82Y40/00; H01L21/02; | Production method of silicon nano-wire device |
| CN102437190 A 20120502 | CN20111388988; | SHANGHAI HUALI MICROELECTRONIC CORP; | H01L21/336; H01L21/28; B82Y10/00; H01L29/78; H01L29/51; B82Y40/00; | Silicon nanowire device and manufacturing method thereof |
| CN102437189 A 20120502 | CN20111388957; | SHANGHAI HUALI MICROELECTRONIC CORP; | H01L29/78; H01L29/51; H01L21/28; H01L21/336; B82Y10/00; B82Y40/00; | Silicon nanowire device and manufacturing method thereof |
| CN102381683 A 20120321 | CN20101271658;CN2 0111051508;CN20111 261010; | SHANGHAI INST CERAMICS; | B82Y40/00; B82Y30/00; B82B3/00; | Electrochemical method and materials for preparation of layered sheetalloy thermoelectric materials |
| CN102351166 A 20120215 | CN20111182935; | SHANGHAI INST CERAMICS; | C01B31/02; B82Y40/00; | Method for directly growing carbon nanotube on surface of carbon fiber |
| CN102502783 A 20120620 | CN20111333246; | SHANGHAI INST CERAMICS; | C01G9/04; B82Y40/00; | Method for preparing alkali zinc chloride nanopowder in hexagonalflake structures |
| CN102389788 A 20120328 | CN20111321227; | SHANGHAI INST CERAMICS; | B01J21/18; B01J20/28; B01J35/10; B01J20/20; B82Y40/00; B82Y30/00; | Preparation method for porous titanium dioxide-carbon combined nanohollow microsphere |
| CN102502785 A 20120620 | CN20111333266; | SHANGHAI INST CERAMICS; | B82Y40/00; C01G9/06; | Preparation method of basic zinc carbonate nanopowder with hexagonal and laminary structure |
| CN102351235 A 20120215 | CN20111213210; | SHANGHAI INST CERAMICS; | B82Y30/00; B82Y40/00; C01F17/00; | Rare earth complex, rare earth oxide and preparation method thereof |

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| CN102336588 A 20120201 | CN20111247262;WO2 011CN78061; | SHANGHAI INST MICROSYS & INF; | C04B41/53; B82Y40/00; C01B31/04; C23C16/56; C23C16/34; C30B33/02; | Hexagonal boron nitride substrate provided with single atomic layerstep and preparation method and application thereof |
| CN102392225 A 20120328 | CN20111206608; | SHANGHAI INST MICROSYS & INF; | C23C16/02; B82Y40/00; B82Y30/00; C23C16/26; | Method for preparing graphene nanoribbon on insulating substrate |
| CN102437017 A 20120502 | CN20111297803; | SHANGHAI INST MICROSYS & INF; | H01L21/02; B82Y40/00; C30B33/08; | Method for preparing nano structure on surface of (111) silicon wafer |
| CN102398893 A 20120404 | CN20111297805; | SHANGHAI INST MICROSYS & INF; | B82B3/00; B82Y40/00; | Method for preparing nanometer structures from top to bottom onsurfaces of (110) type silicon chips |
| CN102502889 A 20120620 | CN20111319712; | SHANGHAI INST TECHNOLOGY; | C01G51/04; H01M4/52; B82Y40/00; | Co3O4 microsphere flower-like material as well as preparation methodand application thereof |
| CN102412397 A 20120411 | CN20111319791; | SHANGHAI INST TECHNOLOGY; | H01M4/525; B82Y40/00; | Co3O4 nano lamellar material and preparation method and applicationthereof |
| CN102491430 A 20120613 | CN20111360132; | SHANGHAI QIBAO HIGH SCHOOL; | B82Y40/00; C01G49/08; | Preparation method of magnetic ferroferric oxide nanoparticle |
| CN102489243 A 20120613 | CN20111360119; | SHANGHAI QIBAO HIGH SCHOOL; | B01J20/30; B01J20/08; B82Y30/00; B82Y40/00; C02F1/28; B01J20/28; | Preparation method of magnetic nano-grade ferriferrous oxide particlecore/shell composite material |
| CN102418118 A 20120418 | CN20111363920; | SHANGHAI SWITCHDIY DIGITAL TECHNOLOGY CO LTD;UNIV SHANGHAI JIAOTONG; | C25C5/02; B82Y30/00; B82Y40/00; | Method for electrochemically aided preparation of silver powder withspecial form |
| CN102441674 A 20120509 | CN20111242390; | SHANGXIANG ZHU; | B82Y40/00; B22F9/16; B82Y30/00; C25B1/10; | Method for preparing stable electrolytic silver colloid |
| CN102432013 A 20120502 | CN20111307547; | SHANXI COAL CHEM INST; | B82Y40/00; C01B31/36; | Preparation method of beta-nano-SiC |
| CN102515252 A 20120627 | CN20111450912; | SHAOGUAN KAIHONG NANO MATERIAL CO LTD; | C01G9/02; B82Y40/00; | Film-coating production technology for nano zinc oxide |
| CN102381698 A 20120321 | CN20111210458; | SHAOXIANG LI;UNIV QINGDAO SCIENCE & TECH; | C01B31/02; B82Y40/00; | Controllable preparation method of fullerene sub- micron tube |

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| US2012018774 A1 20120126 | GB20090001226;WO2 010JP51315; | SHARP KK; | H01L33/02; H01L29/22; H01L21/20; | FABRICATION OF NITRIDE NANOPARTICLES |
| CN102344164 A 20120208 | GB20100012644; | SHARP KK; | C01G9/08; C01G9/00; C30B29/38; C01G15/00; C01B21/06; B82Y40/00; B82Y30/00; | li-iii-n semiconductor nanoparticles and method of making same |
| US2012025146 A1 20120202 | GB20100012644; | SHARP KK; | C01F7/00; C01F5/00; C30B7/14; C01B21/00; C01G15/00; C01B21/06; | II-III-N SEMICONDUCTOR NANOPARTICLES AND METHOD OF MAKING SAME |
| CN102344165 A 20120208 | GB20100012646; | SHARP KK; | C01G9/00; B82Y30/00; C01G15/00; B82Y40/00; C30B29/38; | li-iii-v compound semiconductor |
| CN102376860 A 20120314 | JP20100175873;JP20 100230555;JP201002 73091;JP2011004591 7;JP20110142412;JP2 0110142413; | SHARP KK; | H01L33/50; | Light emitting apparatus and method for manufacturing thereof |
| US2012032578 A1 20120209 | JP20100175873;JP20 100230555;JP201002 73091;JP2011004591 7;JP20110142412;JP2 0110142413; | SHARP KK; | H01J9/00; H01J1/62; | LIGHT EMITTING APPARATUS AND METHOD FOR MANUFACTURING THEREOF |
| US2012056134 A1 20120308 | JP20100199010; | SHARP KK; | H01B1/02; C09K11/08; | PHOSPHOR |
| JP2012056988 A 20120322 | JP20100199010; | SHARP KK; | C09K11/88; C09K11/08; | PHOSPHOR |
| US2012070775 A1 20120322 | JP20070208520;US20 080188554;US201113 295483; | SHARP KK; | G03G9/08; | TONER, TWO-COMPONENT DEVELOPER, DEVELOPING DEVICE AND IMAGE FORMING APPARATUS |
| CN102485640 A 20120606 | CN20101572557; | SHENYANG INST AUTOMATION; | B82Y40/00; B82B3/00; | Task-oriented mixed mode nano operation method based on atomic force microscope |
| CN102394288 A 20120328 | CN20111378734; | SHENZHEN BEITERUI NEW ENERGY TECHNOLOGY CO LTD; | B82Y30/00; B82Y40/00; H01M4/38; | Silicon-carbon cathode material for lithium ion battery and manufacturing method thereof |

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| CN102515152 A 20120627 | CN20111439517; | SHENZHEN CITY BATTERY NANOMETER TECHNOLOGY CO LTD; | C01B31/04; B82Y40/00; | Method for preparing spheroidal graphene |
| CN102502591 A 20120620 | CN20111383978; | SHENZHEN CITY BATTERY NANOMETER TECHNOLOGY CO LTD; | B82Y40/00; C01B31/02; | Nano-carbon fiber preparation method and equipment |
| CN102408125 A 20120411 | CN20111224183; | SHENZHEN DEHOU TECHNOLOGY CO LTD; | C01G19/02; B82Y40/00; | Preparation method of bismuth-doped tin dioxide nanopowder |
| CN102320649 A 20120118 | CN20111224185; | SHENZHEN DEHOU TECHNOLOGY LTD; | B82Y30/00; B82Y40/00; C01G19/02; | Ytterbium-doped bismuth-doped tin oxide (BTO) nano powder, and preparation method and application thereof |
| CN102504251 A 20120620 | CN20111343667; | SHENZHEN INST OF ADV TECH CAS; | B82Y40/00; C08G73/06; | Conductive copolymer material and synthesizing method and application thereof |
| US2012114874 A1 20120510 | JP20070240942;US20 100733658;US201213 352021;WO2008JP66 679; | SHIMANE PREFECTURAL GOVERNMENT; | B05D3/14; B05D3/02; | METHODS FOR PRODUCING METAL-COATED CARBON MATERIAL AND CARBON-METAL COMPOSITE MATERIAL USING THE SAME |
| US2012107679 A1 20120503 | JP20100240383; | SHINETSU CHEMICAL CO; | H01M4/134; H01M10/056; H01M4/48; | NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY |
| CN102436136 A 20120502 | JP20100118319; | SHINETSU CHEMICAL CO; | G03F1/64; B24B29/02; | Synthetic quartz glass substrate and making method |
| TW201209002 A 20120301 | JP20100118319; | SHINETSU CHEMICAL CO; | B24B7/24; C03C19/00; C03B20/00; | Synthetic quartz glass substrate and making method |
| JP2012009833 A 20120112 | JP20100118319;JP20 110105939; | SHINETSU CHEMICAL CO; | H01L21/027; G03F1/22; C03C3/06; | SYNTHETIC QUARTZ GLASS SUBSTRATE AND METHOD FOR MANUFACTURING THE SAME |
| US2012064361 A1 20120315 | JP20100205631;JP20 110170156; | SHINKO ELECTRIC IND CO; | B32B3/26; B05D1/36; B05D5/00; B32B15/00; | HEAT RADIATING COMPONENT AND METHOD OF PRODUCING SAME |
| JP2012082510 A 20120426 | JP20100205631;JP20 110170156; | SHINKO ELECTRIC IND CO; | C25D15/02; C25D7/00; H01L23/373; H05K7/20; C01B31/02; | HEAT RADIATING COMPONENT AND METHOD OF PRODUCING THE SAME |

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| AT555063T T 20120515 | JP20060315273;WO2 007JP72668; | SHISEIDO CO LTD; | B82Y30/00; A61Q1/02; A61Q19/00; C09C1/04; A61K8/27; C01G9/02; A61Q17/04; A61K8/36; | VERFAHREN ZUR HERSTELLUNG VON FEINTEILIGEM ZINKOXIDPULVER |
| AT538073T T 20120115 | JP20040130227;JP20 040241299;WO2005J P08333; | SHOWA DENKO KK; | C01G23/07; C09C1/36; C01G23/053; C09D5/00; C09D5/16; C01G23/047; B82Y30/00; C09C1/00; C09D7/12; C09D201/00; C09D5/14; | BESCHICHTUNGSSTOFF UND DESSEN VERWENDUNG |
| JP2012052282 A 20120315 | JP20100044963;JP20 110233045; | SHOWA DENKO KK; | C01B31/02; D01F9/127; | CARBON FIBER AGGREGATE |
| JP2012099494 A 20120524 | JP20080259416;JP20 110283458; | SHOWA DENKO KK; | B01J27/24; H01M4/90; H01M8/10; | CATALYST FOR FUEL CELL |
| JP2012015118 A 20120119 | JP20030407765;JP20 110183001; | SHOWA DENKO KK; | C08K7/00; C08K9/02; H01B1/12; C08K3/38; C08L53/00; C08L101/00; H01B5/02; C08K7/24; H01M8/02; C08K7/06; C08K3/00; H01B1/20; | CONDUCTIVE RESIN COMPOSITION AND MOLDED ARTICLE THEREOF |
| US2012107599 A1 20120503 | JP20030131118;US20 030470896P;US20050 555637;US201113312 719;WO2004JP06502; | SHOWA DENKO KK; | B29C70/14; B32B9/00; B32B27/04; D01F9/12; D01F9/127; | Fine Carbon Fiber with Linearity and Resin Composite Material Usingthe Same |
| US2012045642 A1 20120223 | JP20090243381;WO2 010JP68690; | SHOWA DENKO KK; | H01M4/02; H01B1/04; C01B31/04; B32B5/16; C01B31/00; | GRAPHITE MATERIAL, CARBONACEOUS MATERIAL FOR BATTERY ELECTRODES, ANDBATTERIES |
| CN102517802 A 20120627 | CN20111407879; | SHUIJING SHANGHAI BIOLOG TECHNOLOGY CO LTD; | C01G9/02; D04H1/728; B82Y40/00; D01D1/02; | Filter nonwoven fabric capable of releasing negative ions |
| CN102509790 A 20120620 | CN20111320504; | SICHUAN TIANQI LITHIUM IND INC; | C01B31/02; H01M4/62; H01M4/58; C01B25/45; B82Y30/00; B82Y40/00; | LiFePO ₄ (lithium iron phosphate) positive electrode material withspecific morphology and structure and lithium secondary battery |

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| DE102010041650 A1 20120329 | DE201010041650; | SIEMENS AG; | C08K7/00; G01N27/04; B82B1/00; A61B5/02; A61B5/00; | Band für die Erfassung von Vitaldaten einer Person |
| EP2402958 A1 20120104 | DE201010019723; | SIEMENS AG; | H02K3/30; H01B3/08; H01B3/40; H02K3/40; B82Y30/00; | Electric isolation system for an electrical high voltage rotationmachine |
| DE102010032949 A1 20120202 | DE201010032949; | SIEMENS AG; | H01B3/04; H01B19/04; | Isoliersysteme mit verbesserter Teilentladungsbeständigkeit |
| EP2451867 A1 20120516 | DE200910033267;WO 2010EP54301; | SIEMENS AG; | C08K3/38; C08K7/24; C08K3/04; H01B3/52; C08K7/04; H01B3/54; C08L1/02; | NANOCOMPOSITE COMPRISING BORON NITRIDE NANOTUBES |
| DE102008029782 A1 20120301 | DE200810029782; | SIEMENS AG; | H01L51/48; H01L51/42; | Photodetektor und Verfahren zur Herstellung dazu |
| US2012154979 A1 20120621 | US20100928896; | SIGNORELLI RICCARDO;WILHELMUS LINDSAY A; | H01G9/038; H01G9/155; | Electrochemical double-layer capacitor for high temperatureapplications |
| US2012041246 A1 20120216 | US20100347774P;US 201061425631P;US20 1113115082; | SILURIA TECHNOLOGIES INC; | B01J23/22; B01J31/38; B01J21/12; B01J23/34; B01J21/06; B01J31/32; B01J21/10; C07C2/76; B01J23/10; B01J21/08; B01J31/36; B01J21/04; B01J31/34; B01J31/26; | NANOWIRE CATALYSTS |

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| US2012056942 A1 20120308 | AU1997PO07991;AU1998PP02592;US19980112767;US20020160273;US20030698412;US20050165055;US20060450585;US20060583895;US20080272759;US20100947610;US201113296042; | SILVERBROOK RES PTY LTD; | B41J2/175; B41J11/70; G06F1/16; G06K1/12; B41J2/14; G06F21/00; G11C11/56; G06K19/073; B41J2/05; B41J2/16; H04N5/225; H04N1/32; B41J15/04; H04N1/21; G07F7/08; B41J3/44; B41J3/42; B41J11/00; G06K19/06; G06K7/14; B41J2/04; G07F7/12; H04N5/262; | EJECTION NOZZLE ARRANGEMENT HAVING DYNAMIC STRUCTURE |
| US2012113293 A1 20120510 | AU1997PO07991;AU1997PO07991;US19980113053;US20010922036;US20020322687;US20050030966;US20070834625;US20090368985;US201213350786; | SILVERBROOK RES PTY LTD; | B41J2/175; G06K1/12; G07F7/08; G06K19/06; H04N1/32; G06F21/00; G06K19/073; B41J3/42; G07F7/12; B41J2/16; B41J11/00; G06F1/16; H04N5/228; H04N1/00; G06K7/14; B42D15/10; G11C11/56; H04N5/225; H04N5/262; B41J11/70; H04N1/21; B41J2/14; B41J15/04; B41J3/44; | IMAGE CAPTURE DEVICE WITH FOUR PROCESSING UNITS |

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| US2012007924 A1 20120112 | AU1997PO07991;AU1997PP00891;US19980113076;US20050056146;US20080139493;US20090475564;US201113005521;US201113236568; | SILVERBROOK RES PTY LTD; | B41J2/16; G11C11/56; G06K7/14; G07F7/12; B41J2/05; G06K1/12; B41J3/44; H04N5/225; B41J2/175; H04N1/32; G06K19/06; B41J15/04; H04N5/262; G06F21/00; H04N1/21; G06K19/073; B41J11/00; B41J11/70; B41J2/14; G07F7/08; B42D15/10; B41J3/42; G06F1/16; | INK EJECTION NOZZLE WITH THERMAL ACTUATOR COIL |
| US2012086756 A1 20120412 | AU1997PO07991;AU1997PO08062;US19980112809;US20010798714;US20040810588;US20050144801;US20060478585;US20080272752;US201113022485;US201113330286; | SILVERBROOK RES PTY LTD; | G06K19/06; B41J2/14; B41J3/42; B41J11/00; B41J2/05; B41J2/16; B41J15/04; G06K7/14; G07F7/12; B42D15/10; H04N1/32; B41J11/70; B41J2/175; H04N5/262; G06K19/073; H04N5/225; B41J2/04; G06F1/16; G06K1/12; H04N1/21; B41J3/44; G11C11/56; G07F7/08; | NOZZLE ARRANGEMENT WITH AN ACTUATOR HAVING IRIS VANES |
| US2012135858 A1 20120531 | US20090226438P;US201013383963;WO2010US42321; | SILVY RICARDO PRADA;TAN YONGQIANG; | B01J27/22; | CATALYST AND METHODS FOR PRODUCING MULTI-WALL CARBON NANOTUBES |
| JP2012023365 A 20120202 | TW20100123227; | SINO AMERICAN SILICON PROD INC; | H01L21/3065; H01L21/205; | EPITAXIAL SUBSTRATE HAVING FINE IRREGULAR SURFACE AND METHOD OF MANUFACTURING THE SAME |
| US2012015143 A1 20120119 | TW20100123227; | SINO AMERICAN SILICON PROD INC; | H01L21/308; B32B3/00; C23F1/00; H01L21/467; | Epitaxial substrate having nano-rugged surface and fabrication thereof |

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| KR20120007966 A 20120125 | TW20100123227; | SINO AMERICAN SILICON PRODUCTS LNC; | H01L21/20; | EPITAXIAL SUBSTRATE HAVING NANO-RUGGED SURFACE AND FABRICATION THEREOF |
| KR20120049223 A 20120516 | US20090185491P; | SIVARAJAN RAMESH; | C01B31/02; H01M8/10; H01M8/02; | SOLUTION BASED NANOSTRUCTURED CARBON MATERIALS (NCM) COATINGS ONBIPOLAR PLATES IN FUEL CELLS |
| EP2441110 A2 20120418 | US20090185491P;WO 2010US37784; | SIVARAJAN RAMESH; | H01M8/02; | SOLUTION BASED NANOSTRUCTURED CARBON MATERIALS (NCM) COATINGS ONBIPOLAR PLATES IN FUEL CELLS |
| US2012051999 A1 20120301 | KR20090041657;WO2 010KR02137; | SK INNOVATION CO LTD; | B01J31/38; B01J37/16; B01J31/26; B01J31/28; C01B15/029; | POLYELECTROLYTE MULTILAYER THIN FILM CATALYST AND METHOD FOR PRODUCINGSAME |
| KR20120030780 A 20120329 | KR20100092512; | SNU R& DB FOUNDATION; | C23C16/26; C01B31/02; H01B1/04; | GRAPHENE STRUCTURE, METHOD OF THE SAME AND TRANSPARENT ELECTRODE USING THE GRAPHENE STRUCTURE |
| US2012132863 A1 20120531 | KR20060092323;US20 090442300;US201213 343278;WO2007KR04 663; | SNU R&DB FOUNDATION; | H01B1/04; | CONDUCTIVE POLYMER-CARBON NANOTUBE COMPOSITE AND MANUFACTURING METHODTHEREOF |
| KR20120064745 A 20120620 | KR20100125911; | SNU R&DB FOUNDATION; | G01N27/00; | FABRICATION OF AN ALIGNED POLYPYRROLE NANOTUBE BY ELECTROSPUN ANDVAPOR DEPOSITION POLYMERIZATION FOR HIGH PERFORMANCE AMMONIA CHEMICAL SENSOR |
| US2012104649 A1 20120503 | US20080200447;US20 1213346094; | SNU R&DB FOUNDATION; | B29C47/00; B29C47/78; | MANUFACTURING NANOCOMPOSITES |
| US2012132892 A1 20120531 | KR20090049123;WO2 010KR03354; | SNU R&DB FOUNDATION; | H01L29/772; H01L29/15; | Nano Device |
| KR20120024691 A 20120314 | US20090177553P;US 20100777151; | SO DANIEL WAI CHEONG; | C12M1/36; C12Q1/68; C12M1/34; G06F19/00; | METHOD AND APPARATUS FOR THE ANALYSIS AND IDENTIFICATION OF MOLECULES |

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| EP2430146 A1 20120321 | US20090177553P;US 20100777151;WO201 0US34602; | SO DANIEL WAI-CHEONG; | C12M1/36; C07K5/00; | METHOD AND APPARATUS FOR THE ANALYSIS AND IDENTIFICATION OF MOLECULES |
| US2012085400 A1 20120412 | US20090227006P;US 201013377931;WO20 10US36162; | SOITEC; | H01L31/18; H01L31/0304; | METHODS OF FABRICATING SEMICONDUCTOR STRUCTURES AND DEVICES USING QUANTUM DOT STRUCTURES AND RELATED STRUCTURES |
| KR20120046743 A 20120510 | JP20090184915;JP20 100173812; | SOKEN CHEMICAL & AMP ENGINEERING CO LTD; | B29C33/40; B29C59/02; H01L21/027; | RESIN MOLD FOR IMPRINTING AND METHOD FOR PRODUCING SAME |
| US2012104308 A1 20120503 | JP20090162182;WO2 010JP61514; | SOKEN KAGAKU KK; | H01G9/032; | Composition for Solid Electrolyte and Solar Cell Using the Same |
| CN102470565 A 20120523 | JP20090184915;JP20 100173812;WO2010J P63375; | SOKEN KAGAKU KK; | B29C33/40; B29C59/02; H01L21/027; | Resin mold for imprinting and method for producing same |
| EP2463073 A1 20120613 | JP20090184915;JP20 100173812;WO2010J P63375; | SOKEN KAGAKU KK; | B29C33/40; H01L21/027; B29C59/02; | RESIN MOLD FOR IMPRINTING AND METHOD FOR PRODUCING SAME |
| US2012133077 A1 20120531 | JP20090184915;JP20 100173812;WO2010J P63375; | SOKEN KAGAKU KK; | B29C59/02; B29C33/58; | Resin Mold for Imprinting and Method for Producing the Same |
| US2012027924 A1 20120202 | US20100296709P;US 201113010220;US201 113210425; | SOLARPA INC; | C09D7/12; B05D5/06; | Nanodiamond Coatings for Solar Cells |
| FR2966474 A1 20120427 | FR20100004175; | SOLARWELL; | C30B29/48; B82Y20/00; C30B29/46; C30B29/64; B82Y40/00; C30B29/16; B82Y30/00; | PROCEDE DE FABRICATION D'UN MATERIAU NANOCRISTALLIN |
| TWI359786B B 20120311 | EP20040103619; | SOLVAY; | C04B35/626; C04B35/468; C01B31/24; C01G23/00; | Alkaline-earth metal carbonate powder |
| JP2012046420 A 20120308 | JP20110216658; | SONAC KK; | C01B31/02; B82Y30/00; | AGGREGATIVE STRUCTURE OF MULTILAYER CARBON NANOTUBE |

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|-----------------------------|-------------------------------|--------------|---|---|
| US2012114843 A1 20120510 | JP20100247266; | SONY CORP; | H01B1/12; H01B1/04; C09D11/02; B05D5/12; | CONDUCTIVE INK, METHOD OF PREPARING THE SAME, AND METHOD OF PREPARING TRANSPARENT CONDUCTIVE FILM |
| US2012097434 A1 20120426 | JP20100104622; JP20110024256; | SONY CORP; | H05K3/02; H05K1/09; | ELECTROCONDUCTIVE ELEMENT, ELECTROCONDUCTIVE ELEMENT MANUFACTURING METHOD, WIRING ELEMENT, INFORMATION INPUT DEVICE, DISPLAY DEVICE, AND ELECTRONIC APPARATUS |
| JP2012041581 A 20120301 | JP20100182053; | SONY CORP; | H01M4/92; B22F1/00; B01J35/02; B22F1/02; B01J23/46; | FINE PARTICLE OF CORE-SHELL STRUCTURE AND FUNCTIONAL DEVICE INCORPORATED THEREWITH |
| US2012046164 A1 20120223 | JP20100182053; | SONY CORP; | B01J21/00; H01M8/00; B01J23/00; | FINE PARTICLES OF CORE-SHELL STRUCTURE AND FUNCTIONAL DEVICE INCORPORATED THEREWITH |
| US2012094209 A1 20120419 | JP20090156559; WO2010JP61223; | SONY CORP; | H01M8/10; | ION-CONDUCTIVE COMPOSITE, MEMBRANE ELECTRODE ASSEMBLY (MEA), AND ELECTROCHEMICAL DEVICE |
| TW201212315 A 20120316 | JP20100148219; | SONY CORP; | C23C14/08; H01L43/12; G11C11/16; | Memory element, method for manufacturing memory element, and memory |
| JP2012101355 A 20120531 | JP20110287768; | SONY CORP; | B82B1/00; C04B35/52; C04B38/04; C01B31/02; B82B3/00; B82Y40/00; B82Y30/00; | METHOD FOR PRODUCING POROUS CARBON MATERIAL |
| US2012064437 A1 20120315 | JP20090131689; WO2010JP58788; | SONY CORP; | B01J23/42; B01J23/46; H01M4/92; | PLATINUM-CONTAINING CATALYST AND FUEL CELL USING THE SAME |
| US2012141875 A1 20120607 | JP20090176640; WO2010JP62235; | SONY CORP; | H01M4/583; H01M4/505; H01M4/525; H01M4/32; H01M4/62; | POSITIVE ELECTRODE FOR SECONDARY BATTERY, AND SECONDARY BATTERY |

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|-----------------------------|---|--|---|--|
| US2012145968 A1 20120614 | JP20100275800; | SONY CORP; | B05D3/06; H01B1/12; B05D1/36; | PROCESS FOR PRODUCING TRANSPARENT CONDUCTIVE FILMS, TRANSPARENT CONDUCTIVE FILM, PROCESS FOR PRODUCING CONDUCTIVE FIBERS, CONDUCTIVE FIBER, CARBON NANOTUBE/CONDUCTIVE POLYMER COMPOSITE DISPERSION, PROCESS FOR PRODUCING CARBON NANOTUBE/CONDUCTIVE POLYMER COMPOSITE DISPERSIONS, AND ELECTRONIC DEVICE |
| JP2012015213 A 20120119 | JP20100148219; | SONY CORP; | H01L43/12; H01L43/08; H01L27/105; H01L21/8246; H01L43/10; | STORAGE ELEMENT, MANUFACTURING METHOD THEREOF, AND MEMORY |
| CN102315383 A 20120111 | JP20100148219; | SONY CORP; | G11C11/16; H01L27/22; H01L43/12; H01L43/08; | Storage element, method for manufacturing storage element, and memory |
| KR20120001617 A 20120104 | JP20100148219; | SONY CORP; | H01L21/8247; H01L27/115; | STORAGE ELEMENT, METHOD FOR MANUFACTURING STORAGE ELEMENT, AND MEMORY |
| AT545064T T 20120215 | EP20080003394; | SONY CORP; | G03F7/00; | VERFAHREN ZUR AUFBRINGUNG EINER STRUKTUR AUS METALL, METALLOXIDUND/ODER HALBLEITERMATERIAL AUF EINEM TR-GER |
| TWI364841B B 20120521 | JP20050218224; | SONY CORP; | H01L21/74; H01L29/78; | Semiconductor device and process for producing same |
| US2012016110 A1 20120119 | EP20030021204;US20 040942713;US201113 243573; | SONY DEUTSCHLAND GMBH; | G01Q60/60; C12M1/00; C07H21/02; C07H21/00; C12Q1/68; C07H21/04; C12N15/09; | METHOD OF IMMOBILIZING AND STRETCHING A NUCLEIC ACID ON A SUBSTRATE |
| CN102502779 A 20120620 | CN20111294493; | SOOCHOW SUPERNANO TEXILE TECH CO LTD; | C01G9/02; B82Y40/00; | Quick preparation method for silver-loaded zinc oxide nanometer composite powder |

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| WO2012009070 A2 20120119 | US20100359232P; | SOULTANIDIS NIKOLAOS;UNIV RICE WILLIAM M;WONG MICHAEL S; | B01J31/00; | ULTRASMALL METAL OXIDE NANOPARTICLES |
| US2012118823 A1 20120517 | US20100358304P;US 201113168170; | SOUTHERN ILLINOIS UNIVERSITY CARBONDALE; | B01D61/02; B01D69/10; B01D71/06; B01D69/06; | ORGANOSILICATE BASED FILTRATION SYSTEM |
| EP2454015 A1 20120523 | US20090226438P;WO 2010US42321; | SOUTHWEST NANOTECHNOLOGIES INC; | B01J23/00; B01J23/84; | CATALYST AND METHODS FOR PRODUCING MULTI-WALL CARBON NANOTUBES |
| US2012114926 A1 20120510 | US20100856055; | SOUTHWEST RES INST; | B32B5/18; C25D13/04; C25D13/02; C25D13/18; | ELECTROPHORETIC DEPOSITION OF ADSORBENT MEDIA |
| US2012148762 A1 20120614 | US20100964826; | SOUTHWEST RES INST; | C23C16/34; C23C16/505; C23C16/503; C23C16/27; C23C16/515; C23C16/32; C23C16/36; C23C16/511; C23C16/28; C23C14/26; C23C14/34; | NANOCOMPOSITES CONTAINING NANODIAMOND |
| US2012142954 A1 20120607 | US20100960195; | SOUTHWEST RES INST; | C07F7/00; C07F13/00; C07F11/00; C07F7/28; C07F5/06; C07F15/04; C07F3/06; C07F1/08; C07F7/18; C07F1/10; C07F9/40; C07C309/00; C07F9/00; C07F15/02; | Surface Treatment And Exchange Of Nanostructures From AqueousSuspension Into Organic Media And Into Polymer-Matrix Composites |
| ES2374438T T3 20120216 | US20060759585P;WO 2007EP50512; | SPARKXIS B V; | C08K9/06; C08K3/22; B22F1/00; C09C1/36; | MATERIALES MONOMERICOS Y POLIMERICOS NOVEDOSOS. |
| CN102421937 A 20120418 | DE200910002129;WO 2010EP53436; | SPAWNT PRIVATE SARL; | C23C16/30; C23C16/32; | Bodies coated by sic and method for creating sic- coated bodies |
| EP2458044 A1 20120530 | EP20100192396; | SPINPLANT GMBH; | D01D5/00; D01F1/10; D06M11/00; B82Y30/00; A61L27/24; D06M11/71; A61L17/08; | Product containing nanocrystals and method for producing the same |

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| US2012061622 A1 20120315 | US20040002851;US20090430464;US201113215973; | SPIRE CORP; | H01B1/00; H01B1/02; | SURFACE-ACTIVATION OF SEMICONDUCTOR NANOSTRUCTURES FOR BIOLOGICALAPPLICATIONS |
| US2012004347 A1 20120105 | US20100360403P;US201113173502; | SRI LANKA INST OF NANOTECHNOLOGY PVT LTD; | C08L7/00; C08L15/00; C08K9/04; C08K13/06; | PROCESS FOR MAKING REINFORCING ELASTOMER-CLAY NANOCOMPOSITES |
| US2012152628 A1 20120621 | IT2010VA00096; | ST MICROELECTRONICS SRL; | B60K7/00; B62D61/00; | ROLLING MEANS OF A MOVING DEVICE AND RELATED MOVING DEVICE |
| US2012145532 A1 20120614 | US20090271686P;US20100340119P;US201113374364;WO2010US02049; | STC UNM; | B01J23/50; C01B3/02; B01J23/89; B01J27/04; B01J19/12; B01J23/52; B01J23/42; B01J23/20; B01J23/44; B01J35/02; B01J21/06; | Efficient hydrogen production by photocatalytic water splitting usingsurface plasmons in hybrid nanoparticles |
| US2012001153 A1 20120105 | US20060780833P;US20060798337P;US20060808153P;US20070684264;US20070889363P;US20090399273;US201113231559; | STC UNM; | H01L29/12; H01L29/15; | PULSED GROWTH OF CATALYST-FREE GROWTH OF GaN NANOWIRES AND APPLICATIONIN GROUP III NITRIDE SEMICONDUCTOR BULK MATERIAL |
| TWI359840B B 20120311 | JP20040106143; | STELLA CHEMIFA CORP; | B82B3/00; A61L27/08; A61L31/00; H01M4/96; C01B31/02; H01M4/58; C08J5/00; A61K6/00; H01M4/587; C08L101/00; | Carbon Nanotubes Aggregate, Method for Forming Same, and Biocompatible Material |
| US2012045886 A1 20120223 | US20070947326P;US20080163416;US201113286654; | STION CORP; | H01L21/20; | Methods for Infusing One or More Materials into Nano-Voids of Nanoporous or Nanostructured Materials |
| AT541883T T 20120215 | DE200410018338;WO2005EP04033; | STO AG; | C09D183/04; C04B41/48; C04B41/45; C04B20/00; C04B14/30; C04B40/00; C04B41/49; C08J7/04; C04B26/00; | BESCHICHTUNGSMATERIAL |

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|-----------------------------|--|---------------------------------------|--|---|
| DK1735372T T3 20120319 | DE200410018338;WO 2005EP04033; | STO AG; | C04B41/48; C04B26/00; C04B41/45; C04B20/00; C04B40/00; C08J7/04; C04B14/30; C04B41/49; C09D183/04; | COATINGMATERIALE |
| US2012132380 A1 20120531 | FI20090005634;WO20 10FI50467; | STORA ENSO OYJ;UPM KYMME CORP; | D21H21/16; D21F11/00; D21H11/00; | METHOD OF MANUFACTURING PAPER AND PRODUCTS OBTAINED BY THE METHOD |
| US2012132381 A1 20120531 | FI20090005635;WO20 10FI50466; | STORA ENSO OYJ;UPM KYMME CORP; | D21H23/00; D21H11/00; D21F11/00; | NOVEL PAPER AND METHOD OF MANUFACTURING THEREOF |
| US2012103099 A1 20120503 | US20100916484; | STUKE MICHAEL J;WANG SHIH-YUAN SY; | G01N21/41; | LASER VIBRATION SENSOR, SYSTEM AND METHOD |
| EP2401079 A1 20120104 | EP20090153731;EP20 100705996;WO2010E P52398; | STYROLUTION GMBH; | B01J35/10; C08K9/02; C09C1/36; | SELF-CLEANING POLYMERS |
| JP2012121803 A 20120628 | DE200810050692; | SUED CHEMIE AG; | H01M4/36; C01G23/00; H01M4/485; | CARBON-COATED SPINEL TYPE LITHIUM TITANATE AND METHOD FOR PRODUCINGTHE SAME |
| US2012129052 A1 20120524 | DE200910020832;WO 2010EP56358; | SUED CHEMIE AG; | H01M4/485; H01M4/131; | COMPOSITE MATERIAL CONTAINING A MIXED LITHIUM-METAL OXIDE |
| TW201204675 A 20120201 | DE201010021804; | SUED CHEMIE AG; | C04B35/447; H01M4/583; H01M4/136; | Composite material containing a mixed lithium metal phosphate |
| AT542775T T 20120215 | DE200910009182; | SUED CHEMIE AG; | C01G9/02; | ZINKOXID-KRISTALLPARTIKEL UND VERFAHREN ZU DER HERSTELLUNG |
| DK2218685T T3 20120402 | DE200910009182; | SUED CHEMIE AG; | C01G9/02; | Zinkoxid-krystalpartikel og fremgangsmåde til dennes fremstilling |
| US2012111621 A1 20120510 | JP20090172630;JP20 090264857;JP200902 65256;JP2010003865 2;JP20100044145;WO 2010JP62259; | SUMITOMO BAKELITE CO; | H05K1/00; B32B27/38; C08L63/00; B32B15/092; C08K3/36; | RESIN COMPOSITION, RESIN SHEET, PREPREG, METAL-CLAD LAMINATE, PRINTEDWIRING BOARD AND SEMICONDUCTOR DEVICE |
| JP2012102003 A 20120531 | JP20100229659;JP20 110224862; | SUMITOMO CHEMICAL CO; | C04B38/00; C04B35/478; B01D39/20; C04B37/00; B01D46/00; F01N3/28; | ALUMINUM TITANATE HONEYCOMB STRUCTURE |

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| US2012111411 A1 20120510 | JP20090170902;JP20090204497;JP20090260724;WO2010JP61931; | SUMITOMO CHEMICAL CO; | H01L31/0256; H01L51/46; C07D487/22; C07D487/14; C07D487/04; | FULLERENE DERIVATIVE |
| EP2457898 A1 20120530 | JP20090170902;JP20090204497;JP20090260724;WO2010JP61931; | SUMITOMO CHEMICAL CO; | C07D487/22; H01L51/00; C07D487/04; C07C13/68; H01L51/42; C07C13/64; C07C69/618; C07D487/14; C07D209/70; | FULLERENE DERIVATIVE |
| US2012119198 A1 20120517 | JP20090178996;WO2010JP62485; | SUMITOMO CHEMICAL CO; | C07D487/16; H01L51/42; H01B1/12; C07D487/06; | FULLERENE DERIVATIVES |
| EP2460795 A1 20120606 | JP20090178996;WO2010JP62485; | SUMITOMO CHEMICAL CO; | C07D209/70; C01B31/02; C07D209/94; C07D487/06; H01L51/42; | FULLERENE DERIVATIVES |
| CN102387880 A 20120321 | JP20090095657;WO2010JP56493; | SUMITOMO CHEMICAL CO; | H01B1/22; B22F9/00; H01B5/00; B22F1/02; | Metal complex and composition containing same |
| EP2418033 A1 20120215 | JP20090095657;WO2010JP56493; | SUMITOMO CHEMICAL CO; | B22F9/00; H01B1/22; H01B5/00; B22F1/02; | METAL COMPLEX AND COMPOSITION CONTAINING SAME |
| US2012032121 A1 20120209 | JP20090095657;WO2010JP56493; | SUMITOMO CHEMICAL CO; | H01B1/22; H01J40/04; H05B33/26; C07D471/04; | METALLIC COMPOSITE AND COMPOSITION THEREOF |
| US2012119643 A1 20120517 | JP20090177665;WO2010JP62521; | SUMITOMO CHEMICAL CO; | H01J9/00; H05B33/14; H05B33/28; | ORGANIC ELECTROLUMINESCENCE ELEMENT |
| US2012100285 A1 20120426 | JP20090145140;WO2010JP59803; | SUMITOMO CHEMICAL CO; | B05D3/02; B05D5/12; | ORGANIC PHOTOELECTRIC CONVERSION ELEMENT |
| JP2012012272 A 20120119 | JP20100152778; | SUMITOMO CHEMICAL CO; | C01G53/00; H01M4/505; H01M4/525; | RAW MATERIAL MIXTURE FOR ALKALI METAL-BASED COMPLEX METAL OXIDE |
| WO2012050123 A1 20120419 | JP20100229659; | SUMITOMO CHEMICAL CO;YAMANISHI OSAMU; | F01N3/022; B01D46/00; C04B37/00; C04B38/00; C04B35/478; B01J35/04; B01D39/20; | ALUMINUM TITANATE HONEYCOMB STRUCTURE |

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| US2012040041 A1 20120216 | JP20100179690; | SUMITOMO ELECTRIC INDUSTRIES; | B29C59/02; | METHOD FOR MANUFACTURING NANO-IMPRINT MOLD, METHOD FOR FORMING RESIN PATTERN BY NANO-IMPRINT TECHNIQUE, AND NANO-IMPRINT MOLD |
| US2012003348 A1 20120105 | JP20100152360; | SUMITOMO ELECTRIC INDUSTRIES; | B28B11/08; | NANO-IMPRINT MOLD |
| JP2012039012 A 20120223 | JP20100179690; | SUMITOMO ELECTRIC INDUSTRIES; | H01L21/027; B29C33/42; B29C59/02; H01R43/16; B29C33/38; | NANOIMPRINT MOLD MANUFACTURING METHOD, RESIN PATTERN MANUFACTURING METHOD BY NANOIMPRINT METHOD, AND NANOIMPRINT MOLD |
| TWI357448B B 20120201 | JP20040170016; | SUMITOMO ELECTRIC INDUSTRIES; | C01B31/02; B01J35/02; C30B29/62; B82B3/00; C30B29/02; B01J23/745; C23C16/26; | Process for the production of carbon nanostructure |
| US2012141737 A1 20120607 | JP20070296194; US20 100734674; US201213 369793; WO2008JP67 709; | SUMITOMO METAL MINING CO; | B05D7/00; B32B5/16; C08K3/22; | MANUFACTURING METHOD OF SURFACE TREATED ZINC OXIDE PARTICLES, SURFACE TREATED ZINC OXIDE PARTICLES, DISPERSION LIQUID AND DISPERSION SOLID THEREOF, AND BASE MATERIAL COATED WITH ZINC OXIDE PARTICLES |
| JP2012079464 A 20120419 | JP20100221587; | SUMITOMO METAL MINING CO; | H01M4/525; H01M4/36; C01D15/02; H01M4/505; | POSITIVE ELECTRODE ACTIVE MATERIAL FOR NONAQUEOUS ELECTROLYTE SECONDARY BATTERY AND MANUFACTURING METHOD THEREOF AND NONAQUEOUS ELECTROLYTE SECONDARY BATTERY USING POSITIVE ELECTRODE ACTIVE MATERIAL |
| JP2012072025 A 20120412 | JP20100218657; | SUMITOMO OSAKA CEMENT CO LTD; | C04B35/50; C04B37/00; H01L21/3065; C23C16/458; | CERAMIC MEMBER |

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| JP2012021117 A 20120202 | JP20100161990; | SUMITOMO OSAKA CEMENT CO LTD;UNIV KYOTO; | C08G77/44; C08L83/04; C08K9/06; | COMPOSITE COMPOSITION COMPRISING INORGANIC OXIDE PARTICLE AND SILICONERESIN AND METHOD OF PRODUCING THE SAME, AND TRANSPARENT COMPOSITE BODY AND METHOD OF PRODUCING THE SAME |
| TW201211120 A 20120316 | JP20100161990; | SUMITOMO OSAKA CEMENT CO LTD;UNIV KYOTO; | C08J3/20; C08L83/04; B01F17/00; C08K3/22; | Composite composition including silicone resin and inorganic oxideparticles, manufacturing method of the same, transparent composite and manufacturing method of the same |
| US2012010348 A1 20120112 | JP20060175098;US20 070812001;US201113 239268; | SUMITOMO RUBBER IND; | C08K3/04; | RUBBER COMPOSITION AND TIRE USING SAME |
| US2012154896 A1 20120621 | US20090231156P;US 201013388581;WO20 10US44441; | SUN CHEMICAL CORP; | G02B26/00; H01B1/12; H01B1/00; | COLORED CONDUCTIVE FLUIDS FOR ELECTROWETTING AND ELECTROFLUIDICTECHNOLOGIES |
| US2012092753 A1 20120419 | US20090160113P;US 20090231156P;US201 013202457;WO2010U S00767; | SUN CHEMICAL CORP; | C09D7/12; G02F1/167; G02B26/00; C09D5/14; C08K5/05; C08K5/04; | COLORED FLUIDS FOR ELECTROWETTING, ELECTROFLUIDIC, AND ELECTROPHORETICTECHNOLOGIES |
| KR20120054197 A 20120530 | KR20100115460; | SUNJIN CHEMICAL CO LTD; | C01G9/02; A61Q17/04; A61K8/29; C01G23/047; | COMPLEX POWDER OF ZINC OXIDE / TITANIUM DIOXIDE AND PREPARATION METHODOF THE SAME |
| US2012156384 A1 20120621 | US20080253608;US20 1213370656; | SUNLIGHT PHOTONICS INC; | B29B9/00; B05D1/02; | PRESSURE CONTROLLED DROPLET SPRAYING (PCDS) METHOD FOR FORMINGPARTICLES OF COMPOUND MATERIALS FROM MELTS |

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| JP2012078364 A 20120419 | US20000521545; | SURMODICS INC; | G01N33/53; C07C45/63; C07H21/00; C12M1/00; C07B61/00; C40B80/00; G01N33/566; C07C323/42; C12Q1/68; C07C235/84; G01N33/543; G01N37/00; C40B40/06; C12N15/09; C08L63/00; | Epoxide polymer surfaces |
| US2012004339 A1 20120105 | US20010028518;US20 070846955;US201007 83907;US2011132342 70; | SURMODICS INC; | C08J7/04; A61L31/00; C08F8/00; C09D4/00; C08F2/26; A61F2/82; A61L27/34; A61L29/00; B05D7/24; A61L27/00; | REAGENT AND METHOD FOR PROVIDING COATINGS ON SURFACES |
| US2012148852 A1 20120614 | US20050711712P;US 20060466788;US2007 0677819;US20121339 7129; | SURMODICS INC; | H01L21/56; H01L23/29; B05D3/06; B32B9/04; | SILANE COATING COMPOSITIONS, COATING SYSTEMS, AND METHODS |
| AT548327T T 20120315 | GB20050009499;WO2 006GB01726; | SURREY NANOSYSTEMS LTD; | C01B31/02; C23C16/26; C23C16/46; B82Y30/00; | VERFAHREN ZUR HERSTELLUNG VON NANOSTRUKTUREN |
| CN102320565 A 20120118 | CN20111265370; | SUZHOU HEYE MATERIALS TECHNOLOGY CO LTD; | B82Y40/00; B82B3/00; | Preparation process of monodisperse complicated-component nanomaterial with universality |
| CN102491279 A 20120613 | CN20111380545; | SUZHOU HIWYTEK POWDER TECHNOLOGY CO LTD;XI HU; | C01B13/14; B82Y40/00; | Method and apparatus used for preparing nano- grade oxide powder |
| CN102502745 A 20120620 | CN20111380691; | SUZHOU HUAWEITE POWDER TECHNOLOGY CO LTD;XI HU; | B82Y40/00; C01F7/42; | Manufacture method and device of nanometer alumina powder |
| CN102424381 A 20120425 | CN20111267832; | SUZHOU INST NANO TECH & NANO B; | B82Y40/00; C01B31/04; | Graphene oxide reducing method |
| CN102495237 A 20120613 | CN20111416190; | SUZHOU INST NANO TECH & NANO B; | G01Q30/16; B82Y30/00; | In-situ processing test device for material interface |

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| CN102351165 A 20120215 | CN20111170808; | SUZHOU INST NANO TECH & NANO B; | B82Y40/00; C01B31/02; | Large-area freestanding carbon nanotube paper and preparation method thereof |
| CN102372307 A 20120314 | CN20111370481; | SUZHOU INST NANO TECH & NANO B; | B82Y30/00; B82Y40/00; C01G49/08; | Method for preparing magnetic hollow cluster from ferromagnetic oxide nanocrystals by one step |
| CN102416468 A 20120418 | CN20111370654; | SUZHOU INST NANO TECH & NANO B; | B82Y30/00; B82Y40/00; B22F1/00; | Nano metal leaf and preparation method thereof |
| CN102435785 A 20120502 | CN20111366696; | SUZHOU INST NANO TECH & NANO B; | G01Q60/38; B82Y40/00; | Tilting AFM probe with huge aspect ratio and preparation method thereof |
| CN102315316 A 20120111 | US20100827213; | TAIWAN SEMICONDUCTOR MFG; | G03F7/00; H01L31/18; | Manufacture method for photovoltaic cell and semiconductor element |
| TW201201391 A 20120101 | US20100827213; | TAIWAN SEMICONDUCTOR MFG; | H01L31/18; H01L31/0224; H01L31/068; | Manufacturing methods of photovoltaic cell and semiconductor device |
| US2012003780 A1 20120105 | US20100827213; | TAIWAN SEMICONDUCTOR MFG; | H01L21/44; | Method for forming photovoltaic cell |
| TW201205825 A 20120201 | US20100842119; | TAIWAN SEMICONDUCTOR MFG; | H01L31/0352; H01L31/04; H01L31/18; | Method for photovoltaic cell texturization |
| KR20120002457 A 20120105 | US20100827213; | TAIWAN SEMICONDUCTOR MFG; | H01L31/0236; H01L31/042; H01L31/18; | PHOTOVOLTAIC CELL MANUFACTURE |
| CN102347395 A 20120208 | US20100842119; | TAIWAN SEMICONDUCTOR MFG; | G03F7/00; H01L31/20; H01L31/18; | Photovoltaic cell manufacture method |
| KR20120010152 A 20120202 | US20100842119; | TAIWAN SEMICONDUCTOR MFG; | H01L31/18; H01L31/042; H01L31/0236; | PHOTOVOLTAIC CELL TEXTURIZATION |
| US2012021555 A1 20120126 | US20100842119; | TAIWAN SEMICONDUCTOR MFG; | H01L31/0236; H01L31/18; | PHOTOVOLTAIC CELL TEXTURIZATION |
| US2012141762 A1 20120607 | TW20080147579;US2 0080346104;US20121 3372676; | TAIWAN TEXTILE RES INST; | D02G3/04; B32B5/02; B29C47/10; H01B1/24; | CONDUCTIVE MASTERBATCHES AND CONDUCTIVE MONOFILAMENTS |
| TW201223861 A 20120616 | TW20100142882; | TAIWAN TEXTILE RES INST; | C01G23/053; B82B3/00; C01B31/02; | Graphene/nano-TiO2 composites and method for preparing the same |
| JP2012121783 A 20120628 | TW20100142882; | TAIWAN TEXTILE RES INST; | B01J35/10; B01J21/18; B01J35/02; B01J37/10; C01G23/047; | GRAPHENE/NANO-TITANIUM DIOXIDE COMPOSITE AND METHOD FOR PRODUCING THE SAME |

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| EP2463233 A1 20120613 | TW20100142882; | TAIWAN TEXTILE RES INST; | C01B31/04; C01G23/047; B01J35/00; | Graphene/nano-titanium dioxide composites and methods for preparing the same |
| US2012149554 A1 20120614 | TW20100142882; | TAIWAN TEXTILE RES INST; | B01J21/06; B01J21/18; | GRAPHENE/NANO-TITANIUM DIOXIDE COMPOSITES AND METHODS FOR PREPARING THE SAME |
| JP2012112042 A 20120614 | JP20100248463; JP20 110240752; | TANAKA PRECIOUS METAL IND; | G01N33/58; B82Y40/00; B82Y30/00; B82Y15/00; B22F9/24; B22F1/00; | BLUE-COLORED GOLD NANOPARTICLE FOR IMMUNOLOGICAL MEASUREMENT, METHOD FOR PRODUCING THE SAME, AND MEASUREMENT METHOD USING THE SAME |
| AT549297T T 20120315 | IN2008MU00480; IN20 08MU02655; WO2009I N00021; | TATA CHEMICALS LTD; | C03C17/25; C01G9/00; C01G9/02; C01C1/04; | VERFAHREN ZUR HERSTELLUNG VON NANOZINKOXIDPARTIKELN |
| CN102380331 A 20120321 | IN2010MU01984; | TATA CONSULTANCY SERVICES LTD; | B01J13/02; C09C1/54; B01J19/00; C01B33/18; B01J2/00; | System for optimizing and controlling particle size distribution |
| EP2407428 A2 20120118 | IN2010MU01984; | TATA CONSULTANCY SERVICES LTD; | C01G23/07; C01F7/02; C01F7/30; C01B33/18; | System for optimizing and controlling particle size distribution and for scale-up of nanoparticle production in an aerosol flame reactor |
| EP2436649 A2 20120404 | IN2010MU02246; | TATA CONSULTANCY SERVICES LTD; | C01F7/02; C01G1/02; C01G23/07; C01F7/30; C01B33/18; | System for optimizing and controlling particle size distribution and production of nanoparticles in furnace reactor |
| AU2011203148 A1 20120202 | IN2010MU01984; | TATA CONSULTANCY SERVICES LTD; | B82B3/00; | System for optimizing and controlling particle size distribution and for scale-up of nanoparticle production in an aerosol flame reactor |
| US2012009118 A1 20120112 | IN2010MU01984; | TATA CONSULTANCY SERVICES LTD; | C01F7/02; B01J19/00; | System for Optimizing and Controlling Particle Size Distribution And For Scale-Up Of Nanoparticle Production In An Aerosol Flame Reactor |
| CN102423669 A 20120425 | IN2010MU02246; | TATA CONSULTANCY SERVICES LTD; | B01J19/00; B01J13/02; | System for optimizing and controlling particle size distribution and production of nanoparticles in furnace reactor |

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| AU2011204859 A1 20120223 | IN2010MU02246; | TATA CONSULTANCY SERVICES LTD; | G05B17/00; C01G1/00; C01G23/047; | System for optimizing and controlling particle size distribution and production of nanoparticles in furnace reactor |
| US2012035767 A1 20120209 | IN2010MU02246; | TATA CONSULTANCY SERVICES LTD; | G05B13/04; B01J19/00; | SYSTEM FOR OPTIMIZING AND CONTROLLING PARTICLE SIZE DISTRIBUTION AND PRODUCTION OF NANOPARTICLES IN FURNACE REACTOR |
| EP2443060 A2 20120425 | EP20090007979; EP2010002142; EP20100725737; WO2010EP58658; | TATA STEEL LTD; TATA STEEL NEDERLAND TECHNOLOGY B V; | C01B31/02; | A process of direct growth of carbon nanotubes (CNT) and fibers (CNF) on a steel strip |
| KR20120041198 A 20120430 | EP20090007979; EP2010002142; | TATA STEEL LTD; TATA STEEL NEDERLAND TECHNOLOGY B V; | C09D5/08; C09D179/08; B05D3/10; C01B31/02; | A PROCESS OF DIRECT LOW-TEMPERATURE GROWTH OF CARBON NANOTUBES (CNT) AND FIBERS (CNF) ON A STEEL STRIP |
| US2012090986 A1 20120419 | TW20070150312; US20080154903; US201113317955; | TATUNG CO; UNIV TATUNG; | C23C14/35; | Method of fabricating composite field emission source |
| US2012154082 A1 20120621 | TW20080146994; US20090321188; US201213385476; | TATUNG CO; UNIV TATUNG; | H01F1/00; | One dimension nano magnetic wires |
| US2012045387 A1 20120223 | TW20080110014; US20080314101; US201113287326; | TATUNG COMPANY AND TATUNG UNIVERSITY; | C01G1/12; C01G3/12; | POROUS COPPER SULFIDE NANO/MICRO HOLLOW SPHERE AND METHOD FOR PREPARING THE SAME |
| DE112004001757 B4 20120119 | JP20030345523; WO2004JP14448; | TDK CORP; | C09D4/00; C08H1/00; G11B7/254; C09K3/00; C09D127/12; G11B7/24; C07G1/00; C09D5/32; C09D171/00; G11B7/257; C09D183/07; G02B1/10; C09D5/00; | Hartbeschichtungsmaterial-Zusammensetzung und damit beschichteter Gegenstand |
| EP2457652 A1 20120530 | CZ20100000859; | TECHNICKA UNIVERZITA V LIBERCI; | D01F6/00; B01J20/285; B01J20/28; B82Y30/00; B01J20/282; D01D5/00; | Chromatographic substrate for thin-layer chromatography and chromatographic substrate for column chromatography |

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|-----------------------------|--|--|--|---|
| CZ20100859 A3 20120606 | CZ20100000859; | TECHNICKA UNIVERZITA V LIBERCI; | G01N30/90; G01N30/02; | Chromatographic substrate for thin-layer chromatography and chromatographic substrate for column chromatography |
| US2012111802 A1 20120510 | US20090175537P;US 201013319173;WO20 10IL00360; | TECHNION RES & DEV FOUNDATION; | C02F1/00; C02F1/70; B01J37/34; | ACTIVATED CARBON CLOTH-SUPPORTED BIMETALLIC PD-CU CATALYSTS FOR NITRATE REMOVAL FROM WATER |
| US2012142912 A1 20120607 | US20090233158P;US 201013390122;WO20 10IL00653; | TECHNION RES & DEV FOUNDATION; | C07D233/42; C07D403/14; C07D403/10; C07D487/22; | POLYCYCLIC COMPOUNDS, TERMED CALIXURENES, AND USES THEREOF |
| US2012070469 A1 20120322 | US20080027633P;US 20080030005P;US201 00374647P;US201008 67215;US2011132126 15;WO2009IL00155; | TECHNION RES & DEV FOUNDATION;YISSUM RES DEV CO; | A61K31/573; A61K38/22; A61P1/00; A61K9/00; A61K31/58; A61K31/663; A61K31/415; | BETA-CASEIN ASSEMBLIES FOR MUCOSAL DELIVERY OF THERAPEUTIC BIOACTIVE AGENTS |
| US2012058344 A1 20120308 | FI20090005191;WO20 10FI50143; | TEKNOLOGIAN TUTKIMUSKESKUS VTT; | B32B9/00; C07K14/37; B32B9/04; H01B1/20; C07K14/00; C07K19/00; H01B3/18; B32B27/32; | Electronic Devices with Protein Layers |
| EP2401778 A1 20120104 | FI20090005191;WO20 10FI50143; | TEKNOLOGIAN TUTKIMUSKESKUS VTT; | H01L51/05; | ELECTRONIC DEVICES WITH PROTEIN LAYERS |
| US2012052301 A1 20120301 | FI20090005191;WO20 10FI50142; | TEKNOLOGIAN TUTKIMUSKESKUS VTT; | B32B9/00; H01B1/12; | Graphene-Containing Platelets and Electronic Devices, and Method of Exfoliating Graphene |
| EP2401230 A2 20120104 | FI20090005191;WO20 10FI50142; | TEKNOLOGIAN TUTKIMUSKESKUS VTT; | C01B31/04; | GRAPHENE-CONTAINING PLATELETS AND ELECTRONIC DEVICES, AND METHOD OF EXFOLIATING GRAPHENE |
| US2012076974 A1 20120329 | US20100894043; | TELEDYNE SCIENT & IMAGING LLC; | B05C5/00; B32B3/10; B05D3/06; | VERTICALLY ALIGNED CARBON NANOTUBE ARRAYS FROM LIQUID DISPERSIONS |
| CN102308005 A 20120104 | WO2009EP00465;WO 2010EP50820; | TETHIS S R L; | B01L3/00; G01N33/543; G01N33/551; C12Q1/68; B01J19/00; | Functionalized microfluidic device for immunofluorescence |
| US2012028823 A1 20120202 | US20080203198P;US 20090217366P;US200 913140228;WO2009U S68854; | TEXAS A & M UNIV SYS; | B01L3/00; C07D471/06; C40B30/04; G01N21/64; | pH MODULATION METHOD TO DETECT LIGAND-RECEPTOR BINDING |

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| US2012112822 A1 20120510 | US20100943758; | TEXAS INSTRUMENTS INC; | H03F3/45; | DIFFERENTIAL INPUT FOR AMBIPOLAR DEVICES |
| US2012125571 A1 20120524 | FR20100002159; | THALES SA; | F28D15/02; F28F7/00; | Heat-Dissipating Device for Space-Based Equipment, Notably for aSatellite |
| FR2966062 A1 20120420 | FR20100004031; | THALES SA; | B82Y40/00; B05D1/12; B05B7/16; | PROCEDE DE DEPOT DE NANOPARTICULES SUR UNE SURFACE ET APPAREIL DE DEPOT DE NANOPARTICULES CORRESPONDANT |
| US2012115707 A1 20120510 | FR20100001865; | THALES SA; | C04B35/64; | Process for Manufacturing a Ceramic Composite Based on Silicon Nitride and Beta-Eucryptite |
| US2012045575 A1 20120223 | EP20070005791;US20 080051878;US201113 284030; | THALLNER ERICH; | B05D5/12; B81C99/00; | METHOD AND DEVICE FOR PRODUCING A NANOPATTERNED DISC |
| EP2442351 A2 20120418 | EP20020713044;GB20 010007380;GB200100 26764; | THERMO FINNIGAN LLC; | H01J49/06; G01N27/62; H01J49/42; H01J49/40; | Mass spectrometry method and apparatus |
| US2012037515 A1 20120216 | US20090212821P;US 201013138865;WO20 10US01112; | THE STATE OF OREGON ACTING BY AND THROUGH THE STATE BOA RD OF HIGHER EDUCATION O N BEHALF OF THE PORTLAND STATE UNI V; | G01N27/26; C25B11/00; G01N33/50; | IMPEDIMETRIC SENSORS USING DIELECTRIC NANOPARTICLES |
| EP2401332 A2 20120104 | US20090380208;WO2 010US00443; | THIELE KAOLIN CO; | C09C3/06; C09C3/04; B82B3/00; | NANO PARTICLE MINERAL PIGMENT |
| CN102515143 A 20120627 | CN20111437760; | TIANJIN KINGRAY NEW ENERGY TECHNOLOGY CO LTD; | B82Y40/00; C01B31/00; C01B31/02; | Nano-grade porous aerogel and preparation method thereof |
| CN102502666 A 20120620 | CN20111290998; | TIANNAN ZHU; YU ZHENG; | C07C31/08; B82Y40/00; C07G99/00; C07C29/00; C01B31/20; C01B33/18; | Method for realizing simultaneous pollution-free preparation of nano-silica, multielement amino acid powder, biochemical fulvic acid, ethanol and carbon dioxide from straws |

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|-----------------------------|----------------------------------|------------------------------------|---|---|
| CN102350362 A 20120215 | CN20111225441; | TIANWEI SICHUAN SILICON CO LTD; | B01J23/89; B82Y40/00; B01J23/78; C01B33/107; B01J23/889; | Nanometer catalyst for silicon tetrachloride hydrogenation reaction and preparation method thereof |
| CN102498067 A 20120613 | GB20090016329;WO2 010GB51515; | TIOXIDE EUROP LTD; | C01G23/053; C09C1/36; C01G23/047; | Stable nano titania sols and a process for their production |
| AU2010297099 A1 20120315 | GB20090016329;WO2 010GB51515; | TIOXIDE EUROP LTD; | C09C1/36; C01G23/053; C01G23/047; | Stable nano titania sols and a process for their production |
| US2012165186 A1 20120628 | GB20090016329;WO2 010GB51515; | TIOXIDE EUROP LTD; | A61L2/22; B01J21/06; | STABLE NANO TITANIA SOLS AND A PROCESS FOR THEIR PRODUCTION |
| MX2012003182 A 20120508 | GB20090016329;WO2 010GB51515; | TIOXIDE EUROP LTD; | C01G23/047; C09C1/36; C01G23/053; | STABLE NANO TITANIA SOLS AND A PROCESS FOR THEIR PRODUCTION. |
| CN102365237 A 20120229 | JP20090088150;WO2 010JP55714; | TODA KOGYO CORP; | G03G9/087; C01G49/08; H01F1/36; G03G9/083; H01F1/34; | Black magnetic iron oxide powder |
| EP2415714 A1 20120208 | JP20090088150;WO2 010JP55714; | TODA KOGYO CORP; | G03G9/083; H01F1/36; G03G9/087; C01G49/08; H01F1/34; | BLACK MAGNETIC IRON OXIDE POWDER |
| CN102470436 A 20120523 | JP20090230526;WO2 010JP67075; | TODA KOGYO CORP; | B22F9/24; H01B5/00; B22F1/00; H01B1/22; H01B13/00; | Fine silver particles, method for producing same, conductive paste containing the fine silver particles, conductive film, and electronic device |
| JP2012069811 A 20120405 | JP20100214366; | TODA KOGYO CORP;UNIV TOHOKU; | H01F1/06; C22C29/16; H01F1/08; B22F1/00; B22F1/02; B22F9/22; | FERROMAGNETIC PARTICLE POWDER, METHOD OF MANUFACTURING THE SAME, ANISOTROPIC MAGNET, AND BOND MAGNET |
| SI2047891 T T1 20120430 | CH20070001569;EP20 080405253; | TODI SPORT AG GLARUS; | C09J143/00; C09D143/00; C09J153/00; C08J5/00; A63C7/00; C01B33/00; C08F293/00; C09K3/00; C08G77/00; C09D183/00; | Climbing assistance for snow sport equipment |

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| ES2378591T T3 20120416 | CH20070001569; | TOEDI SPORT AG GLARUS; | C09J143/04; C08G77/02; C09K3/14; C08F293/00; C08J5/00; A63C7/04; A63C7/02; C01B33/44; C09D183/04; C09J153/00; C09D143/04; | Dispositivo auxiliar de escalada para aparatos de deportes de nieve |
| AT539803T T 20120115 | CH20070001569; | TOEDI SPORT AG GLARUS; | C09J153/00; C09D143/04; C01B33/44; A63C7/02; C08J5/00; C08F293/00; C08G77/02; C09J143/04; | STEIGHILFE FÜR SCHNEESPORTGERÄTE |
| TW201213353 A 20120401 | JP20100152365; | TOKUYAMA CORP; | G03F7/027; C09D4/02; C08F2/48; H01L21/027; C08F20/18; | Composition for photocurable imprint, and method for formation of pattern using the composition |
| TW201224655 A 20120616 | JP20100235614; JP20 110069279; | TOKUYAMA CORP; | B29C59/02; H01L21/027; C08L83/08; G03F7/028; C08L83/07; | Photo-curable nanoimprint composition, method for forming pattern using the composition, and nanoimprint replica mold comprising cured product of composition |
| US2012070621 A1 20120322 | JP20090124182; WO2 010JP03104; | TOKYO ELECTRON LTD; | B32B3/30; B05D5/12; C08F2/48; B32B5/02; | CONDUCTIVE FILM FORMING METHOD, CONDUCTIVE FILM FORMING APPARATUS AND CONDUCTIVE FILM |
| US2012086142 A1 20120412 | JP20090149935; WO2 010JP60464; | TOKYO ELECTRON LTD; | B29C59/02; B28B17/00; B29C59/00; | IMPRINT SYSTEM, IMPRINT METHOD, AND NON-TRANSITORY COMPUTER STORAGE MEDIUM |
| JP2012009831 A 20120112 | JP20100117711; JP20 110103116; | TOKYO ELECTRON LTD; | H01L21/027; B29C59/02; | IMPRINT SYSTEM, IMPRINT METHOD, PROGRAM AND COMPUTER STORAGE MEDIUM |
| JP2012009830 A 20120112 | JP20100117710; JP20 110103039; | TOKYO ELECTRON LTD; | H01L21/027; B29C59/02; | IMPRINT SYSTEM, IMPRINT METHOD, PROGRAM AND COMPUTER STORAGE MEDIUM |
| JP2012006380 A 20120112 | JP20100117708; JP20 110102983; | TOKYO ELECTRON LTD; | H01L21/027; B29C59/02; | IMPRINT SYSTEM, IMPRINT METHOD, PROGRAM, AND COMPUTER MEMORY MEDIUM |

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| KR20120030057 A 20120327 | JP20090149935; | TOKYO ELECTRON LTD; | H01L21/027; | IMPRINT SYSTEM, IMPRINTING METHOD, AND COMPUTER STORAGE MEDIUM |
| TW201209883 A 20120301 | JP20100117711;JP20 110103116; | TOKYO ELECTRON LTD; | H01L21/027; B29C59/02; | Imprinting system, imprinting method, and computer storage medium |
| TW201209882 A 20120301 | JP20100117710;JP20 110103039; | TOKYO ELECTRON LTD; | H01L21/027; B29C59/02; | Imprinting system, imprinting method, and computer storage medium |
| KR20120026497 A 20120319 | JP20090146186; | TOKYO ELECTRON LTD; | H01L21/027; | IMPRINTING SYSTEM, IMPRINTING METHOD, AND COMPUTER STORAGE MEDIUM |
| TW201212148 A 20120316 | JP20100117708;JP20 110102983; | TOKYO ELECTRON LTD; | H01L21/027; B29C59/02; H01L21/677; | Imprinting system, imprinting method, program, and computer storage medium |
| TW201202122 A 20120116 | JP20100105456; | TOKYO ELECTRON LTD; | B82B3/00; B82B1/00; | Method for forming carbon nanotubes, and carbon nanotube film-forming apparatus |
| JP2012049186 A 20120308 | JP20100187318; | TOKYO ELECTRON LTD; | H01L21/205; C23C14/22; B23K26/00; H01L31/04; | METHOD OF FORMING QUANTUM DOT, STORAGE MEDIUM STORING PROGRAM FOR PERFORMING THIS, AND SUBSTRATE PROCESSING DEVICE |
| TW201210781 A 20120316 | JP20100058798; | TOKYO ELECTRON LTD; | B29C37/00; B29C33/58; | Method of processing template, program, computer storage medium, and template processing device |
| US2012052658 A1 20120301 | JP20100187318; | TOKYO ELECTRON LTD; | H01L21/20; B05C9/08; | QUANTUM DOT FORMING METHOD, STORAGE MEDIUM STORING A PROGRAM AND SUBSTRATE PROCESSING APPARATUS FOR EXECUTION OF THE METHOD |
| JP2012099677 A 20120524 | JP20100246891; | TOKYO ELECTRON LTD; | B29C33/58; H01L21/027; B29C59/02; | SUBSTRATE SURFACE PROPERTY MODIFICATION METHOD, PROGRAM, COMPUTER STORAGE MEDIUM, AND SUBSTRATE SURFACE PROPERTY MODIFICATION DEVICE |
| US2012097336 A1 20120426 | JP20090149849;WO2 010JP60465; | TOKYO ELECTRON LTD; | C23C16/44; B29C65/24; B05C11/00; | TEMPLATE TREATMENT APPARATUS AND IMPRINT SYSTEM |
| KR20120030058 A 20120327 | JP20090149849; | TOKYO ELECTRON LTD; | H01L21/027; | TEMPLATE TREATMENT DEVICE AND IMPRINT SYSTEM |

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| US2012164232 A1 20120628 | JP20090207632;WO2 010JP64667; | TOKYO INST TECH; | A61K9/14; A61K9/00; | CONSTRUCT COATED WITH VIRUS COAT- CONSTITUTING PROTEIN AND METHOD FORPRODUCING SAME |
| CN102369588 A 20120307 | JP20090089939;JP20 090214348;WO2010J P54973; | TOPPAN PRINTING CO LTD; | G03F1/24; G03F1/60; | Reflective photomask and reflective photomask blank |
| EP2416347 A1 20120208 | JP20090089939;JP20 090214348;WO2010J P54973; | TOPPAN PRINTING CO LTD; | H01L21/027; | REFLECTIVE PHOTOMASK AND REFLECTIVE PHOTOMASK BLANK |
| JP2012122150 A 20120628 | JP20100272074; | TOPTEC CO LTD;UNIV SHINSHU; | D04H1/728; D01D5/04; | APPARATUS AND METHOD FOR PRODUCING NANOFIBER |
| JP2012122152 A 20120628 | JP20100272076; | TOPTEC CO LTD;UNIV SHINSHU; | D04H1/728; D01D5/04; | APPARATUS FOR PRODUCING NANOFIBER |
| JP2012122149 A 20120628 | JP20100272073; | TOPTEC CO LTD;UNIV SHINSHU; | D01D5/04; D04H1/728; | APPARATUS FOR PRODUCING NANOFIBER |
| JP2012122153 A 20120628 | JP20100272077; | TOPTEC CO LTD;UNIV SHINSHU; | D04H1/728; D01D5/04; | APPARATUS FOR PRODUCING NANOFIBER AND AIR SUPPLYING DEVICE PROVIDED INAPPARATUS FOR PRODUCING NANOFIBER |
| JP2012122155 A 20120628 | JP20100272079; | TOPTEC CO LTD;UNIV SHINSHU; | D04H1/728; D01D5/04; | APPARATUS FOR PRODUCING NANOFIBER AND METHOD FOR PRODUCING NANOFIBER |
| JP2012122151 A 20120628 | JP20100272075; | TOPTEC CO LTD;UNIV SHINSHU; | D04H1/728; D01D5/04; | APPARATUS FOR PRODUCING NANOFIBER AND METHOD FOR PRODUCING NANOFIBER |
| JP2012122147 A 20120628 | JP20100272071; | TOPTEC CO LTD;UNIV SHINSHU; | D01D5/04; D04H1/728; | ELECTROSPINNING APPARATUS AND NANOFIBER PRODUCTION APPARATUS |
| JP2012122146 A 20120628 | JP20100272070; | TOPTEC CO LTD;UNIV SHINSHU; | D04H1/728; D01D5/04; | ELECTROSPINNING APPARATUS AND NANOFIBER PRODUCTION APPARATUS |
| US2012148739 A1 20120614 | US20100963764; | TOPTEC CO LTD;UNIV SHINSHU; | B29C47/00; B05D3/02; | METHOD FOR MANUFACTURING METAL NANOSTRUCTURE AND METAL NANOSTRUCTUREMANUFACTURED BY THE METHOD |
| JP2012122148 A 20120628 | JP20100272072; | TOPTEC CO LTD;UNIV SHINSHU; | D01D5/04; D04H1/728; | NANOFIBER MANUFACTURING APPARATUS |

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| JP2012122154 A 20120628 | JP20100272078; | TOPTEC CO LTD;UNIV SHINSHU; | D01D5/04; D04H1/728; | NANOFIBER PRODUCTION APPARATUS |
| CN102459084 A 20120516 | JP20090142296;WO2 010JP60075; | TORAY INDUSTRIES; | C08L101/00; C01G23/00; G02B5/20; G02B1/04; C08K3/28; | Black composite particle, black resin composition, color filtersubstrate and liquid crystal display |
| US2012128898 A1 20120524 | JP20090142296;WO2 010JP60075; | TORAY INDUSTRIES; | C09K19/02; F21V9/00; B32B3/10; | BLACK COMPOSITE PARTICLE, BLACK RESIN COMPOSITION, COLOR FILTERSUBSTRATE AND LIQUID CRYSTAL DISPLAY |
| KR20120030068 A 20120327 | JP20090142296; | TORAY INDUSTRIES; | G02B1/04; C08K3/28; C01G23/00; G02B5/20; | BLACK COMPOSITE PARTICLE, BLACK RESIN COMPOSITION, COLOR FILTERSUBSTRATE AND LIQUID CRYSTAL DISPLAY |
| EP2444376 A1 20120425 | JP20090142296;WO2 010JP60075; | TORAY INDUSTRIES; | G02B1/04; G02B5/20; C01G23/00; C08K3/28; C08L101/00; | BLACK COMPOSITE PARTICLE, BLACK RESIN COMPOSITION, COLOR FILTERSUBSTRATE AND LIQUID CRYSTAL DISPLAY |
| CN102341345 A 20120201 | JP20090050166;JP20 090088442;JP200902 94873;WO2010JP535 00; | TORAY INDUSTRIES; | B01J23/745; C01B31/02; B01J37/08; B01J37/10; | Composition containing carbon nanotubes, catalyst for producing carbonnanotubes, and aqueous dispersion of carbon nanotubes |
| EP2404873 A1 20120111 | JP20090050166;JP20 090088442;JP200902 94873;WO2010JP535 00; | TORAY INDUSTRIES; | B01J37/10; B01J37/08; B01J23/745; C01B31/02; | COMPOSITION CONTAINING CARBON NANOTUBES, CATALYST FOR PRODUCING CARBONNANOTUBES, AND AQUEOUS DISPERSION OF CARBON NANOTUBES |
| US2012031872 A1 20120209 | JP20090081411;JP20 090263510;WO2010J P55178; | TORAY INDUSTRIES; | C09K13/00; C23F1/16; H01B13/00; C23F1/32; | CONDUCTIVE FILM REMOVAL AGENT AND CONDUCTIVE FILM REMOVAL METHOD |
| EP2402286 A2 20120104 | EP20020785971;JP20 010361992;JP200103 72718; | TORAY INDUSTRIES; | B01J29/86; B01J29/06; C01B31/02; B01J29/89; D01F9/127; B01J29/14; B01J35/06; B01J29/072; B01J29/46; B01J29/88; | Method for manufacturing hollow nanofiber, hollow nanofiber andcatalyst composition for manufacturing hollow nanofiber |

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| TW201223864 A 20120616 | JP20100243737;JP20 110074643;JP201101 21497;JP2011015593 9; | TORAY INDUSTRIES; | B82Y30/00; C01B31/02; | Method for producing carbon nanotube assembly dispersion liquid |
| CN102421705 A 20120418 | US20090158256P;WO 2010US26421; | TORAY INDUSTRIES;YAZAKI CORP; | B82B1/00; C01B31/02; B82B3/00; C01B31/04; | Method for making cohesive assemblies of carbon |
| KR20120005456 A 20120116 | US20090158256P; | TORAY INDUSTRIES;YAZAKI CORP; | C01B31/02; B82B3/00; B82B1/00; C01B31/04; | METHOD FOR MAKING COHESIVE ASSEMBLIES OF CARBON |
| EP2403801 A2 20120111 | US20090158256P;WO 2010US26421; | TORAY INDUSTRIES;YAZAKI CORP; | B82B1/00; C01B31/02; B82B3/00; C01B31/04; | METHOD FOR MAKING COHESIVE ASSEMBLIES OF CARBON |
| JP2012060074 A 20120322 | JP20100204608; | TOSHIBA CORP; | H01L21/027; B29C59/02; | IMPRINT DEVICE AND METHOD |
| JP2012079887 A 20120419 | JP20100223172; | TOSHIBA CORP; | H01L21/027; B29C59/02; | IMPRINT LITHOGRAPHY DEVICE AND METHOD |
| JP2012069701 A 20120405 | JP20100212672; | TOSHIBA CORP; | B29C59/02; H01L21/027; | IMPRINT METHOD, SEMICONDUCTOR INTEGRATED CIRCUIT MANUFACTURING METHOD,AND DROP RECIPE PREPARATION METHOD |
| JP2012054322 A 20120315 | JP20100194231; | TOSHIBA CORP; | B29C59/02; H01L21/027; B81C1/00; | IMPRINT RECIPE CREATION DEVICE AND METHOD, AND IMPRINT DEVICE ANDMETHOD |
| JP2012020520 A 20120202 | JP20100160902; | TOSHIBA CORP; | B29C59/02; H01L21/027; B29C33/38; | IMPRINT TEMPLATE AND PATTERN FORMING METHOD |
| JP2012067379 A 20120405 | JP20100191341;JP20 110060450; | TOSHIBA CORP; | H01F1/44; C22C38/00; H01F1/33; B22F1/02; B22F3/00; | METAL-CONTAINING PARTICLE AGGREGATE, METAL-CONTAINING PARTICLECOMPOSITE MEMBER, AND METHOD OF MANUFACTURING THE AGGREGATE AND THE COMPOSITE MEMBER |

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| JP2012054419 A 20120315 | JP20100196049; | TOSHIBA CORP; | H01L43/12; H01L43/08; H01L43/10; G11B5/39; | METHOD FOR MANUFACTURING MAGNETORESISTANCE EFFECT ELEMENT |
| JP2012049261 A 20120308 | JP20100188662; | TOSHIBA CORP; | H01L23/52; H01L21/768; H01L21/3205; | METHOD OF MANUFACTURING CARBON NANOTUBE WIRING |
| JP2012004304 A 20120105 | JP20100137430; | TOSHIBA CORP; | H01L29/792; H01L29/788; H01L27/10; H01L27/115; H01L21/8247; | NONVOLATILE SEMICONDUCTOR MEMORY DEVICE |
| JP2012033601 A 20120216 | JP20100170261; | TOSHIBA CORP; | H01L51/05; H01L51/30; C01B31/02; H01L27/10; H01L49/00; | NONVOLATILE STORAGE DEVICE |
| JP2012019076 A 20120126 | JP20100155750; | TOSHIBA CORP; | B81C99/00; B29C59/02; H01L21/027; | PATTERN FORMATION METHOD |
| JP2012009742 A 20120112 | JP20100146187; | TOSHIBA CORP; | B29C59/02; H01L21/027; | PATTERN FORMING METHOD AND IMPRINT MATERIAL |
| JP2012124394 A 20120628 | JP20100275279; | TOSHIBA CORP; | B81C3/00; B29C59/02; H01L21/027; | PATTERN FORMING METHOD, SEMICONDUCTOR DEVICE MANUFACTURING METHOD AND TEMPLATE MANUFACTURING METHOD |
| JP2012049262 A 20120308 | JP20100188663; | TOSHIBA CORP; | B29C59/02; H01L21/027; | PATTERNING METHOD AND PATTERNING DEVICE |
| JP2012044194 A 20120301 | JP20110202266; | TOSHIBA CORP; | B82Y30/00; H01L33/06; H01L21/205; B82Y20/00; H01L33/32; | SEMICONDUCTOR LIGHT-EMITTING DEVICE, WAFER, AND METHOD OF MANUFACTURING SEMICONDUCTOR LIGHT-EMITTING DEVICE AND WAFER |
| JP2012099659 A 20120524 | JP20100246525; | TOSHIBA CORP; | H01L45/00; H01L27/105; H01L51/05; H01L27/28; H01L51/30; | STORAGE DEVICE AND METHOD OF MANUFACTURING THE SAME |
| JP2012009686 A 20120112 | JP20100145238; | TOSHIBA CORP; | B29C33/38; B29C59/02; H01L21/027; | TEMPLATE AND METHOD OF MANUFACTURING THE SAME, AND PROCESSING METHOD |
| JP2012060079 A 20120322 | JP20100204728; | TOSHIBA CORP; | H01L21/027; B29C59/02; B29C33/30; | TEMPLATE CHUCK, IMPRINT DEVICE, AND PATTERN FORMATION METHOD |

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| JP2012009623 A 20120112 | JP20100144144; | TOSHIBA CORP; | B29C33/38; B29C33/42; H01L21/027; G03F1/38; B29C59/02; | TEMPLATE MANUFACTURING METHOD |
| JP2012082502 A 20120426 | JP20100231901; | TOSHIBA CORP;TOSHIBA TEC KK; | C09D11/00; B22F9/00; H01B1/00; H01B1/22; B22F9/24; | METAL NANOPARTICLE-DISPERSED COMPOSITION |
| KR20120048550 A 20120515 | JP20090110295; | TOSHIBA KK; | H01L21/027; | A METHOD FOR FORMING PATTERN, AN APPARATUS FOR FORMING PATTERN, AND AMETHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE |
| ES2373447T T3 20120203 | DE20021035560;DE20 031030221; | TOSHIBA KK; | C08L21/00; C01B33/18; C08K9/06; C09C1/30; C08K3/36; B60C1/00; C01B33/193; | ACIDO SILICICO DE PRECIPITACION, ALTAMENTE DISPERSABLE. |
| US2012049370 A1 20120301 | JP20100188662; | TOSHIBA KK; | H01L23/522; H01L21/768; | CARBON NANOTUBE INTERCONNECTION AND MANUFACTURING METHOD THEREOF |
| TW201221466 A 20120601 | JP20100188662; | TOSHIBA KK; | B82B1/00; B82Y40/00; | Carbon nanotube wire and manufacturing method thereof |
| KR20120019378 A 20120306 | JP20100188662; | TOSHIBA KK; | H01L21/28; H01L21/768; | CARBON NANOTUBE WIRE AND MANUFACTURING METHOD THEREOF |
| AT538071T T 20120115 | DE20031037199; | TOSHIBA KK; | B01J37/02; B01J37/00; B01J23/10; B01J35/10; B01J35/02; C09K3/14; C01F17/00; | CEROXIDPULVER |
| CN102498179 A 20120613 | EP20090165647;WO2 010EP53355; | TOSHIBA KK; | C09D5/16; C09D1/02; C09C1/30; C09D7/12; | Dispersion and method for modifying a surface with hydrophobized silica |
| AU2010272772 A1 20120223 | EP20090165647;WO2 010EP53355; | TOSHIBA KK; | C09C1/30; C09D5/16; C09D1/02; C09D7/12; | Dispersion and method for modifying a surface with hydrophobized silica |
| US2012114865 A1 20120510 | EP20090165647;WO2 010EP53355; | TOSHIBA KK; | B05D1/28; B05D1/18; C09D133/02; | DISPERSION AND METHOD FOR MODIFYING A SURFACE WITH HYDROPHOBIZED SILICA |
| MX2012000658 A 20120222 | EP20090165647;WO2 010EP53355; | TOSHIBA KK; | C09D5/16; C09D1/02; C09C1/30; C09D7/12; | DISPERSION AND METHOD FOR MODIFYING A SURFACE WITH HYDROPHOBIZEDSILICA. |

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| EP2454330 A1 20120523 | EP20090165647;EP20 100708777;WO2010E P53355; | TOSHIBA KK; | C09C1/30; C09D7/12; C09D1/02; C09D5/16; | DISPERSION AND METHOD FOR MODIFYING A SURFACE WITH WATER REPELLENTSILICA |
| AT556121T T 20120515 | EP20080103321; | TOSHIBA KK; | B01F17/14; C09D7/12; C09D5/02; C09C1/30; | DISPERSION ENTHALTEND HYDROPHOBIERTE SILICIUMDIOXIDPARTIKEL |
| US2012152151 A1 20120621 | DE200710024365;US2 0090597800;US20121 3409715;WO2008EP5 5556; | TOSHIBA KK; | C08K5/5419; C07F7/18; C04B16/00; | FUMED SILANIZED AND GROUND SILICA |
| US2012091370 A1 20120419 | JP20080003504;US20 090350394;US201113 326612; | TOSHIBA KK; | G21K5/00; | IMPRINT MASK MANUFACTURING METHOD, IMPRINT MASK MANUFACTURING DEVICE,AND SEMICONDUCTOR DEVICE MANUFACTURING METHOD |
| US2012015214 A1 20120119 | JP20060188711;US20 070802474;US200803 14811;US2011132435 53; | TOSHIBA KK; | G11B5/33; | MAGNETO-RESISTANCE EFFECT ELEMENT |
| US2012049302 A1 20120301 | JP20060265836;US20 070892890;US201113 291743; | TOSHIBA KK; | G11B5/39; | MAGNETO-RESISTANCE EFFECT ELEMENT, MAGNETIC HEAD, MAGNETIC RECORDING/REPRODUCING DEVICE AND MAGNETIC MEMORY |
| US2012119179 A1 20120517 | JP20100248375;JP20 110206467;US201113 052354;US201213354 380; | TOSHIBA KK; | H01L47/00; H01L21/02; | MEMORY DEVICE AND METHOD FOR MANUFACTURING THE SAME |
| US2012104352 A1 20120503 | JP20100246525; | TOSHIBA KK; | H01L45/00; H01L21/62; | MEMORY DEVICE AND METHOD FOR MANUFACTURING THE SAME |
| CN102385967 A 20120321 | JP20100191341;JP20 110060450; | TOSHIBA KK; | H01F1/24; B22F1/02; | Metal-containing particle aggregate, metal- containing particlecomposite member, and method of manufacturing the aggregate and the composite member |

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| US2012049100 A1 20120301 | JP20100191341;JP20 110060450; | TOSHIBA KK; | B05D3/06; H01F41/02; H01F1/047; H01F1/08; B05D3/10; | METAL-CONTAINING PARTICLE AGGREGATE, METAL-CONTAINING PARTICLECOMPOSITE MEMBER, AND METHOD OF MANUFACTURING THE AGGREGATE AND THE COMPOSITE MEMBER |
| TW201200370 A 20120101 | JP20100104564; | TOSHIBA KK; | B41N1/24; B29C33/60; | Method for repairing template, method for forming pattern andapparatus for repairing template |
| US2012050920 A1 20120301 | JP20100196049; | TOSHIBA KK; | H01F1/04; G11B5/48; | METHOD OF MANUFACTURING MAGNETORESISTIVE ELEMENT |
| EP2467331 A1 20120627 | DE200910026599;WO 2010EP56691; | TOSHIBA KK; | C01B13/34; C01G30/00; C01G19/00; | MIXED METAL OXIDE POWDER, ESPECIALLY ANTIMONY-TIN MIXED OXIDE POWDER,AND PREPARATION THEREOF |
| US2012111499 A1 20120510 | DE200610007564;US2 0080279276;US20121 3351408;WO2006EP6 8708; | TOSHIBA KK; | C09J163/00; | NANOSCALE SUPERPARAMAGNETIC POLY(METH)ACRYLATE POLYMERS |
| US2012156493 A1 20120621 | DE200910033739;WO 2010EP56780; | TOSHIBA KK; | B32B5/16; H01B1/04; | NANOSTRUCTURED SI-C-COMPOSITE FOR ELECTRODE APPLICATIONS |
| US2012025159 A1 20120202 | JP20100170261; | TOSHIBA KK; | H01L45/00; | NONVOLATILE MEMORY DEVICE |
| US2012056145 A1 20120308 | JP20100200620; | TOSHIBA KK; | H01L21/02; H01L45/00; | NONVOLATILE MEMORY DEVICE AND METHOD FOR MANUFACTURING SAME |
| US2012040293 A1 20120216 | JP20080193131;US20 090490910;US201113 282497; | TOSHIBA KK; | G03F7/20; | REFLECTIVE MASK, MANUFACTURING METHOD FOR REFLECTIVE MASK, ANDMANUFACTURING METHOD FOR SEMICONDUCTOR DEVICE |
| US2012037974 A1 20120216 | JP20100181625; | TOSHIBA KK; | H01L21/28; H01L29/788; | SEMICONDUCTOR DEVICE AND METHOD OF MANUFACTURING THE SAME |
| US2012058638 A1 20120308 | JP20100201409; | TOSHIBA KK; | H01L21/28; | SEMICONDUCTOR DEVICE MANUFACTURING METHOD |

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| US2012056232 A1 20120308 | JP20100199417; | TOSHIBA KK; | H01L33/42; H01L33/38; | SEMICONDUCTOR LIGHT EMITTING DEVICE AND METHOD FOR MANUFACTURING SAME |
| US2012056222 A1 20120308 | JP20100199330; | TOSHIBA KK; | H01L33/38; H01L33/58; | SEMICONDUCTOR LIGHT EMITTING DEVICE AND METHOD FOR MANUFACTURING SAME |
| US2012056155 A1 20120308 | JP20100199345; | TOSHIBA KK; | H01L33/06; H01L33/38; | SEMICONDUCTOR LIGHT EMITTING DEVICE AND METHOD FOR MANUFACTURING THESAME |
| EP2433905 A2 20120328 | DE200810000499;EP2 0090716530; | TOSHIBA KK; | C09C1/30; C01B33/18; | Silica |
| AT539038T T 20120115 | EP20070109763; | TOSHIBA KK; | C09C1/22; C09C1/30; H01F1/00; C01B33/107; H01F1/36; C01G49/00; | SILICIUM-EISEN-MISCHOXIDPULVER |
| DE102010031585 A1 20120126 | DE201010031585; | TOSHIBA KK; | C01B33/18; C01B33/12; | Siliciumdioxidpulver mit speziellen Oberflächeneigenschaften und dieses Pulver enthaltende Tonerzusammensetzung |
| ES2373353T T3 20120202 | DE200710025435;WO 2008EP56385; | TOSHIBA KK; | C09C1/30; C09J201/00; C08K3/36; C01B33/18; | SISTEMAS ADHESIVOS Y SELLANTES. |
| JP2012031060 A 20120216 | DE200410057707; | TOSHIBA KK; | C01G19/00; | SURFACE-MODIFIED INDIUM-TIN OXIDE |
| DE102010030822 A1 20120105 | DE201010030822; | TOSHIBA KK; | C01G49/02; | Teilsilylierte magnetische Partikel und Dispersionen davon |
| DE102011013507 A1 20120112 | JP20100058180; | TOSHIBA KK; | B01J37/00; H01J1/304; B82B3/00; C01B31/02; | Verfahren zur Behandlung eines Katalysators zur Nanokohlenstoffproduktion und Verfahren zur Herstellung von Nanokohlenstoff |
| TW201217302 A 20120501 | DE201010030216; | TOSHIBA KK; | C04B35/488; C04B35/64; C04B35/48; | Zirconia-alumina composite powder and process for preparation thereof |
| EP2441922 A1 20120418 | JP20100231901; | TOSHIBA KK;TOSHIBA TEC KK; | F01D11/00; | Metal nanoparticle dispersion |
| CN102453374 A 20120516 | JP20100231901; | TOSHIBA KK;TOSHIBA TEC KK; | C09D11/02; | Metal nanoparticle dispersion |
| US2012091401 A1 20120419 | JP20100231901; | TOSHIBA KK;TOSHIBA TEC KK; | H01B1/22; | METAL NANOPARTICLE DISPERSION |

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| KR20120014931 A 20120220 | DE200910027091; | TOSHIBA KK;UNITED INITIATORS GMBH & AMP CO KG; | C08F4/00; C08J3/24; C08K5/14; C08K3/36; | HEAT-ACTIVATABLE FREE-RADICAL INITIATORS AND COMPOSITE MATERIAL WHICH COMPRISES MAGNETIC PARTICLES |
| CN102459355 A 20120516 | DE200910027091;WO 2010EP57376; | TOSHIBA KK;UNITED INITIATORS GMBH & CO KG; | C08F4/32; C08F4/00; C08J3/24; | Heat-activatable free-radical initiators and composite material which comprises magnetic particles |
| US2012130023 A1 20120524 | DE200910027091;WO 2010EP57376; | TOSHIBA KK;UNITED INITIATORS GMBH & CO KG; | H01F1/10; C08F110/02; C08F218/08; | HEAT-ACTIVATABLE FREE-RADICAL INITIATORS AND COMPOSITE MATERIAL WHICH COMPRISES MAGNETIC PARTICLES |
| EP2445938 A1 20120502 | DE200910027091;WO 2010EP57376; | TOSHIBA KK;UNITED INITIATORS GMBH & CO KG; | C09C3/12; C01G49/00; C08F4/32; C01G5/00; C08J3/24; C08F4/00; | HEAT-ACTIVATABLE FREE-RADICAL INITIATORS AND COMPOSITE MATERIAL WHICH COMPRISES MAGNETIC PARTICLES |
| US2012018074 A1 20120126 | JP20100121309;JP20 100255777; | TOTO LTD; | B32B37/02; B32B37/06; B32B37/12; B32B37/14; | METHOD FOR PRODUCING CERAMIC JOINED BODY |
| JP2012121785 A 20120628 | JP20100121309;JP20 100255777;JP201101 16025; | TOTO LTD; | C04B37/00; | METHOD FOR PRODUCING CERAMIC JOINED BODY |
| US2012142521 A1 20120607 | JP20070079469;JP20 070127296;JP200800 87837;JP2008008784 0;JP20080244432;JP2 0080331910;US20080 040151P;US20080079 417;US20090383840; US20100965487;US20 1213396759; | TOTO LTD; | B01J21/08; B01J31/02; B01J31/06; B01J21/06; B01J35/02; B01J31/38; B01J35/12; | PHOTOCATALYST-COATED BODY AND PHOTOCATALYTIC COATING LIQUID THEREFOR |
| TW201202171 A 20120116 | JP20100121309;JP20 100255777; | TOTO LTD; | C04B37/00; C04B35/65; B23K20/14; B23K20/22; | Production method of ceramic connection member |
| CN102317392 A 20120111 | JP20090037792;WO2 010JP50772; | TOYO ALUMINIUM KK; | C09D201/00; C09D5/03; C09D7/12; C09D7/14; C09D5/29; | Process for producing powder coating composition |

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| US2012077670 A1 20120329 | JP20090145953;WO2 010JP60046; | TOYO TANSO CO; | B01J21/18; | POROUS CARBON AND METHOD OF MANUFACTURING SAME |
| CN102325721 A 20120118 | JP20090056521;WO2 010JP53956; | TOYO TANSO CO; | C01B31/02; | Porous carbon and process for producing same |
| EP2407423 A1 20120118 | JP20090056521;WO2 010JP53956; | TOYO TANSO CO; | C01B31/02; | POROUS CARBON AND PROCESS FOR PRODUCING SAME |
| CN102482165 A 20120530 | JP20090205041;WO2 010JP64871; | TOYO TANSO CO; | C01B31/04; C04B35/52; C01B31/36; C04B41/87; | Process for production of silicon-carbide-coated carbon base material,silicon-carbide-coated carbon base material, sintered (silicon carbide)- carbon complex, ceramic-coated sintered (silicon carbide)-carbon complex, and process for production of sintered (silicon carbide)-carbon complex |
| US2012156479 A1 20120621 | JP20090205041;WO2 010JP64871; | TOYO TANSO CO; | B05D3/02; B32B5/16; B32B3/00; C04B35/64; B32B9/04; | PROCESS FOR PRODUCTION OF SILICON- CARBIDE-COATED CARBON BASE MATERIAL,SILICON-CARBIDE-COATED CARBON BASE MATERIAL, SINTERED (SILICON CARBIDE)-CARBON COMPLEX, CERAMIC-COATED SINTERED (SILICON CARBIDE)-CARBON COMPLEX, AND PROCESS FOR PRODUCTION OF SINTERED (SILICON CARBIDE)-CARBON COMPLEX |
| JP2012046582 A 20120308 | JP20100188097; | TOYOTA CENTRAL RES & DEV; | B82B1/00; B82B3/00; C08K9/12; C01B31/02; C08F220/18; C08L33/08; | NANOCOMPOSITE AND DISPERSION COMPRISING THE SAME |
| JP2012046779 A 20120308 | JP20100188094; | TOYOTA CENTRAL RES & DEV; | B22F9/24; H01B13/00; H01B1/22; B22F1/00; H01B5/00; B22F1/02; | SURFACE-COATED METAL NANOPARTICLE, METHOD FOR PRODUCING THE SAME, ANDMETAL NANOPARTICLE PASTE CONTAINING THE SAME |

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| CN102482116 A 20120530 | JP20090211141;JP20 100005698;WO2010J P65665; | TOYOTA CHUO KENKYUSHO KK; | C01G25/00; B01J23/42; | Composite metal oxide porous body, catalyst using same, and method forproducing each |
| US2012053288 A1 20120301 | JP20100188097; | TOYOTA CHUO KENKYUSHO KK; | C08L43/02; C08L39/00; | NANOCOMPOSITE AND DISPERSION COMPRISING THE SAME |
| US2012142523 A1 20120607 | JP20090211141;JP20 100005698;WO2010J P65665; | TOYOTA CHUO KENKYUSHO KK; | B01J21/06; | POROUS COMPOSITE METAL OXIDE, CATALYST USING THE SAME, AND METHODS FORPRODUCING THE POROUS COMPOSITE METAL OXIDE AND THE CATALYST |
| US2012048426 A1 20120301 | JP20100188094; | TOYOTA CHUO KENKYUSHO KK; | B23K35/22; B05D7/00; H01B1/24; C09K5/00; | SURFACE-COATED METAL NANOPARTICLES, METHOD FOR PRODUCING THE SAME, ANDMETAL NANOPARTICLE PASTE COMPRISING THE SAME |
| US2012025154 A1 20120202 | US20100843954;US20 1113023746; | TOYOTA ENG & MFG NORTH AMERICA; | H01B13/00; H01B1/02; | SYNTHESIS OF NANOCOMPOSITE THERMOELECTRIC MATERIAL |
| CN102414124 A 20120411 | JP20090105921;WO2 010JP57180; | TOYOTA MOTOR CO LTD; | C01B31/04; H01M4/587; H01G9/058; | Carbon material and method for producing same |
| KR20120018173 A 20120229 | JP20090105921; | TOYOTA MOTOR CO LTD; | H01M4/587; C01B31/04; H01G9/058; | CARBON MATERIAL AND METHOD FOR PRODUCING SAME |
| CN102387989 A 20120321 | JP20090095096;WO2 010IB00770; | TOYOTA MOTOR CO LTD; | C01B31/02; | Carbon nanotube production process and carbon nanotube productionapparatus |
| US2012045572 A1 20120223 | JP20090095096;WO2 010IB00770; | TOYOTA MOTOR CO LTD; | C23C16/26; C23C16/455; | CARBON NANOTUBE PRODUCTION PROCESS AND CARBON NANOTUBE PRODUCTIONAPPARATUS |
| US2012100463 A1 20120426 | JP20100235600; | TOYOTA MOTOR CO LTD; | H01M8/00; | FUEL CELL PRODUCTION METHOD |

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| US2012010069 A1 20120112 | JP20100156993; | TOYOTA MOTOR CO LTD; | B01J37/025; B01J23/50; B01J23/46; B01J23/42; B01J23/44; B01J35/02; B01J37/34; B01J23/72; B01J23/745; B01J23/75; B01J23/755; B01J23/52; | METHOD OF PRODUCING CORE-SHELL CATALYST PARTICLE AND CORE-SHELLCATALYST PARTICLE PRODUCED BY THIS PRODUCTION METHOD |
| US2012148469 A1 20120614 | JP20030143312;JP20 030146485;US200408 48123;US2009045703 4;US201213399774; | TOYOTA MOTOR CO LTD; | B01J23/10; B01J21/06; B01D53/94; C01B13/32; C01G25/00; C01F17/00; B01J23/02; C01G25/02; B01J23/00; B01J35/00; B01J37/03; | POROUS COMPOSITE OXIDE AND PRODUCTION METHOD THEREOF |
| DE102011083762 A1 20120405 | JP20100225359; | TOYOTA MOTOR CO LTD; | B01J37/02; | VERFAHREN ZUM HERSTELLEN EINES KATALYSATORTR–GERS |
| DE102011054574 A1 20120510 | JP20100235600; | TOYOTA MOTOR CO LTD; | H01M8/00; | Verfahren zur Herstellung einer Brennstoffzelle |
| US2012088650 A1 20120412 | JP20100225359; | TOYOTA MOTOR CO LTD;UNIV NAGOYA; | B01J21/18; B01J37/08; | MANUFACTURING METHOD FOR CATALYST CARRIER |
| JP2012089378 A 20120510 | JP20100235600; | TOYOTA MOTOR CORP; | H01M8/02; H01M4/88; H01M4/96; H01M8/10; | MANUFACTURING METHOD FOR FUEL CELL |
| JP2012016684 A 20120126 | JP20100156993; | TOYOTA MOTOR CORP; | B01J37/02; B01J23/44; | METHOD OF PRODUCING CORE-SHELL CATALYST PARTICLE, AND CORE-SHELLCATALYST PARTICLE PRODUCED BY THE PRODUCTION METHOD |
| JP2012104560 A 20120531 | JP20100249912; | TOYOTA MOTOR CORP; | H01L35/34; H01L35/14; | NANO-COMPOSITE THERMOELECTRIC CONVERSION MATERIAL, METHOD FORMANUFACTURING THE SAME, AND THERMOELECTRIC CONVERSION ELEMENT |
| JP2012076048 A 20120419 | JP20100225359; | TOYOTA MOTOR CORP;UNIV NAGOYA; | B01J37/02; H01M4/96; H01M4/88; | MANUFACTURING METHOD FOR CATALYST CARRIER |
| AT547483T T 20120315 | AU20040905014;WO2 005AU01331; | TROPIGLAS TECHNOLOGIES LTD; | C09B67/08; C08G83/00; C09B67/02; C08K9/10; C09B63/00; C09B67/10; | FARBSTOFFE UND INFRAROTAKTIVE POLYMERZUSAMMENSETZUNGEN DARAU |

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| US2012118751 A1 20120517 | US20090149859P;US 20090213052P;US201 013147526;WO2010U S23068; | TRUSTEES BOSTON COLLEGE; | G01N27/26; C25D5/02; | MOLECULAR IMPRINTED NANOSENSORS |
| WO2012047869 A2 20120412 | US20100391195P;US 201113245674; | TRUSTEES OF NORTHERN ILLINOIS UNIVERSITY BOARD OF;XIAO ZHILI; | G01N27/12; G01N33/00; B82Y30/00; | SENSORS AND DEVICES CONTAINING ULTRA- SMALL NANOWIRE ARRAYS |
| US2012107731 A1 20120503 | TW20100137455;TW2 0100139495; | TSENG YAO-CHING; | G03F1/00; G03F1/26; | PHOTOMASK |
| EP2440633 A1 20120418 | US20090268033P;WO 2010US37603; | TUCKER RICHARD D; | C10B57/00; | PYROLYSIS SYSTEMS,METHODS,AND RESULTANTS DERIVED THEREFROM |
| US2012034291 A1 20120209 | US20090151866P;US 201013201380;WO20 10US24004; | TUFTS COLLEGE; | A61K38/43; B29D11/00; A61K35/00; A61K39/395; A61K9/70; B32B3/10; A61K31/7088; A61K38/00; | NANOIMPRINTING OF SILK FIBROIN STRUCTURES FOR BIOMEDICAL ANDBIOPHOTONIC APPLICATIONS |
| US2012121820 A1 20120517 | US20070985310P;US 20080741066;WO200 8US82487; | TUFTS COLLEGE;UNIV BOSTON; | B29C59/16; C08J7/18; | FABRICATION OF SILK FIBROIN PHOTONIC STRUCTURES BY NANOCONTACTIMPRINTING |
| WO2012047974 A2 20120412 | US20100898752; | TURSIOP TECHNOLOGIES LLC;VISWANATHAN RAJU; | G01R33/48; G01R33/28; A61B5/055; | HYBRID IMAGING COILS FOR MAGNETIC RESONANCE IMAGING |
| US2012107594 A1 20120503 | US20060857531P;US 20070937155;US2007 0984027P;US2011132 84061; | U S A AS REPRESENTED BY THE ADMINISTRATOR OF THE NAT AERONAUTICS ANDSPACE ADMINISTRATION; | B32B5/16; B32B37/06; C01B21/082; B32B37/10; C01B21/064; C01B35/02; D01F9/12; B32B38/10; | Nanotube Film Electrode and an Electroactive Device Fabricated withthe Nanotube Film Electrode and Methods for Making Same |
| US2012055873 A1 20120308 | US20080071785P;US 20100667384;US2011 13291448;WO2009US 44402; | U S A AS REPRESENTED BY THE ADMINISTRATOR OF THE U S ENVIRONMENTALPROT AGENCY;VERUTEK INC; | C22C5/04; C22C9/00; C02F1/26; C02F5/10; C22C22/00; B09C1/08; C22C28/00; B22F9/16; C22C38/00; | GREEN SYNTHESIS OF NANOMETALS USING PLANT EXTRACTS AND USE THEREOF |

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| EP2413796 A2 20120208 | US20090166610P;WO 2009US41142;WO201 0US29839; | U S A AS REPRESENTED BY THE SECRETARY DEPT OF HEALTH AND HUMANSERVICES; | A61B5/055; | MAGNETIC MICROSTRUCTURES FOR MAGNETIC RESONANCE IMAGING |
| US2012077248 A1 20120329 | US20050679495P;US 20070939243;US2011 13307973;WO2006US 18102; | UAB RESEARCH FOUNDATION;UNIV COLORADO STATE RES FOUND;UNIV MISSISSIPPI STATE; | G01N31/00; | METHOD FOR DETERMINING CRYSTALLIZATION PARAMETERS AND APPARATUS FOR USE WITH THE SAME |
| US2012055792 A1 20120308 | US20080098938P;US 201113069187;WO20 09US57915; | UAB RESEARCH FOUNDATION;UNIV WASHINGTON; | C25B7/00; C12N15/31; G01N27/447; C07K14/35; C12P21/00; C12N15/63; C12N1/21; | MSP NANOPORES AND RELATED METHODS |
| EP2463342 A1 20120613 | JP20090183961;WO2 010JP63331; | UBE INDUSTRIES; | C08G69/26; C08K7/04; C01B31/02; C08L77/06; | CONDUCTIVE POLYAMIDE RESIN COMPOSITION |
| EP2463341 A1 20120613 | JP20090183962;WO2 010JP63333; | UBE INDUSTRIES; | C01B31/02; C08L71/12; C08L77/00; C08K7/02; H01B1/24; | CONDUCTIVE RESIN COMPOSITION |
| US2012068125 A1 20120322 | JP20090090373;JP20 090204987;WO2010J P56006; | UBE INDUSTRIES; | H01B1/24; | CONDUCTIVE RESIN COMPOSITION |
| EP2415839 A1 20120208 | JP20090090373;JP20 090204987;WO2010J P56006; | UBE INDUSTRIES; | C08K7/06; H01M4/62; C08K3/04; D01F9/127; B01J23/00; C08L77/00; C08L101/00; C01B31/02; H01M4/1393; C08J3/215; | CONDUCTIVE RESIN COMPOSITION |
| US2012132865 A1 20120531 | JP20090183961;WO2 010JP63331; | UBE INDUSTRIES; | H01B1/24; | ELECTROCONDUCTIVE POLYAMIDE RESIN COMPOSITION |
| US2012132866 A1 20120531 | JP20090183962;WO2 010JP63333; | UBE INDUSTRIES; | H01B1/24; | ELECTROCONDUCTIVE RESIN COMPOSITION |
| CN102449825 A 20120509 | JP20090086198;WO2 010JP55583; | UBE INDUSTRIES; | H01M4/13; H01M4/62; C01B31/02; H01M4/139; | Electrode for lithium ion battery and method for producing same |

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| KR20120042724 A 20120503 | JP20090086198; | UBE INDUSTRIES; | H01M4/139; H01M4/62; H01M4/13; C01B31/02; | ELECTRODE FOR LITHIUM ION BATTERY AND METHOD FOR PRODUCING SAME |
| JP2012046864 A 20120308 | JP20080055819;JP20 080171186;JP201102 37863; | UBE INDUSTRIES; | D01F9/127; | FINE CARBON FIBER, FINE SHORT CARBON FIBER, AND METHODS FOR PRODUCING THE SAME |
| US2012104318 A1 20120503 | JP20090141588;WO2 010JP59550; | UBE MATERIAL IND LTD; | B01J12/02; C09K11/55; C01F5/00; | METHOD FOR PRODUCING MAGNESIUM- CONTAINING ZINC OXIDE, MAGNESIUM- CONTAINING ZINC OXIDE, AND APPARATUS FOR PRODUCING SAME |
| EP2441734 A1 20120418 | JP20090141588;WO2 010JP59550; | UBE MATERIAL IND LTD; | C01G9/00; | METHOD FOR PRODUCING MAGNESIUM- CONTAINING ZINC OXIDE, MAGNESIUM- CONTAINING ZINC OXIDE, AND APPARATUS FOR PRODUCING SAME |
| RU2010131763 A 20120210 | RU20100131763; | UCHREZH DENIE ROSSIJSKOJ AKADEMII NAUK FIZ TEKHN INST IM A F IOFFE RAN; | C30B29/04; C01B31/06; B82Y40/00; B82B1/00; C30B33/04; | METHOD OF PRODUCING DIAMOND STRUCTURE WITH NITROGEN-VACANCY DEFECTS |
| RU2451774 C1 20120527 | RU20100149350; | UCHREZH DENIE ROSSIJSKOJ AKADEMII NAUK INST GEOL I MINERALOGII IM V SSOBOLEVA SIB OTDEL RAN INST GEO; | B82B3/00; C30B29/04; C01B31/06; C30B33/00; B28D5/00; C30B33/02; B82Y30/00; | METHOD OF DIAMOND PROCESSING |
| RU2010132314 A 20120210 | RU20100132314; | UCHREZH DENIE ROSSIJSKOJ AKADEMII NAUK INST KATALIZA IM G K BORESKOVA SIB OTDEL RAN; | C01B31/02; B82B3/00; D01F9/127; B82Y40/00; | METHOD OF PRODUCING CARBON NANOFIBRES |

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| RU2442751 C1 20120220 | RU20100145288; | UCHREZHDENIE ROSSIJSKOJ AKADEMII NAUK INST KHIM EHNERGETICHESKIKH TSIB OTDEL RAN IPKHEHT SO RAN; | B82Y40/00; C01G3/02; B82B3/00; | WAY TO GET NANOSIZED PARTICLES OF COPPER OXIDE |
| RU2010134125 A 20120220 | RU20100134125; | UCHREZHDENIE ROSSIJSKOJ AKADEMII NAUK PETERBURGSKIJ INST JADERNOJ FIZ IM B P KONSTANTINOVA RAN; | B82Y40/00; B82B3/00; B01D11/02; B01D15/08; C01B31/02; | METHOD OF PRODUCING FULLERENE C60 |
| RU2010134077 A 20120220 | RU20100134077; | UCHREZHDENIE ROSSIJSKOJ AKADEMII NAUK PETERBURGSKIJ INST JADERNOJ FIZ IM B P KONSTANTINOVA RAN; | C01B31/02; B82Y40/00; B01D11/02; B01D9/00; B01D15/08; B82B3/00; | METHOD OF PRODUCING FULLERENE C70 |
| US2012058888 A1 20120308 | US20040977579;US20 100752410;US201113 223750; | UMICORE AG & CO KG; | H01M4/90; H01M4/02; H01M4/94; H01M4/36; H01M4/92; B01J21/18; B01J23/44; B01J23/00; B01J23/42; B01J23/40; | Method for manufacture of noble metal alloy catalysts and catalysts prepared therewith |
| US2012077671 A1 20120329 | DE20001037071;US20 010910959;US200604 05913;US2011133096 77; | UMICORE AG & CO KG; | B01J23/42; H01M4/90; B01J23/652; B82B1/00; B22F5/00; B22F1/00; C09C1/62; B01J35/02; H01M4/88; B01J23/40; H01M4/36; B01J23/46; B01J13/00; H01M4/02; H01M8/10; B01J35/00; C09C3/10; H01M4/92; | NOBLE METAL NANOPARTICLES, A PROCESS FOR PREPARING THESE AND THEIR USE |
| TW201212364 A 20120316 | EP20100008556; | UMICORE NV; | H01M4/1391; H01M4/525; | Aluminum dry-coated cathode material precursors |

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| KR20120029441 A 20120326 | EP20090007465; | UMICORE NV; | C01G51/00; H01M4/52; C01G51/04; | NANOPARTICLE DOPED PRECURSORS FOR STABLE LITHIUM CATHODE MATERIAL |
| EP2438014 A1 20120411 | EP20090007465;EP20 100721127;US200901 84441P;WO2010EP03 096; | UMICORE NV; | C01G51/04; C01G51/00; | NANOPARTICLE DOPED PRECURSORS FOR STABLE LITHIUM CATHODE MATERIAL |
| CN102432933 A 20120502 | US20030448024P; | UNION CARBIDE CHEM PLASTIC; | C09D7/12; C08K3/26; C08K3/22; C08L23/08; C08L23/10; H01B7/295; C08K9/04; C08L23/04; C08L23/00; C08K9/06; C09D123/10; C09D123/04; C08K3/34; C09D123/08; C09D123/00; | Flame retardant composition |
| AT546413T T 20120315 | US20080076914P;WO 2009US47749; | UNION CARBIDE CHEM PLASTIC; | C08K9/04; C08J5/00; C01B33/44; C09C3/08; C08J3/20; | VERFAHREN ZUR SCH-LUNG VON ORGANISCHEM TON ZUR HERSTELLUNG EINESNANOVERBUNDSTOFFS |
| US2012020870 A1 20120126 | US20090647439;US20 1113248066; | UNITED ARAB EMIRATES UNIVERSITY; | D01F9/12; | Process to produce carbon nanotubes from carbon rich wastes |
| AT547380T T 20120315 | DK20020000975;WO2 003DK00439; | UNIV AALBORG; | C01G23/053; B01J3/00; C01G23/04; C01F7/36; C01G1/02; C01B13/32; | VERFAHREN ZUR HERSTELLUNG EINES PRODUKTES MIT SUB-MICRONERPRIM-RTILCHENGRISSE UND APPARAT ZUR ANWENDUNG DES VERFAHRENS |
| US2012070505 A1 20120322 | FR20090002607;WO2 010FR00401; | UNIV AIX MARSEILLE II;UNIV BORDEAUX SEGALEN; | A61K9/14; A61P35/00; A61K33/26; A61K33/24; B05D3/02; A61K31/282; | FUNCTIONAL AMPHIPILIC MOLECULE OR MACROMOLECULE FORMULATIONS WITHMULTIPLE COMPARTMENTS |
| JP2012102012 A 20120531 | US20030511977P; | UNIV AKRON; | D01F9/08; D01F6/54; C01B31/02; D01F6/02; D01F9/12; D01D5/00; H01M4/96; D01F9/127; D01F1/02; D02G3/00; H01M4/86; D01F9/22; | CARBON NANOTUBE ON CARBON NANOFIBER SUBSTRATE |

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| US2012114547 A1 20120510 | US20030490218P;US 20070565573;US2011 13234495;WO2004US 23867; | UNIV AKRON; | A61K47/48; C01B21/24; A61K9/00; A61K33/00; | STABILIZATION AND IONIC TRIGGERING OF NITRIC OXIDE RELEASE |
| CA2712051 A1 20120212 | CA20102712051; | UNIV ALBERTA; | C01B31/02; B82Y30/00; | METHOD OF FABRICATING A CARBON NANOTUBE ARRAY |
| US2012144999 A1 20120614 | US20070988289P;US 20080272366;US2012 13401145; | UNIV ALBERTA; | B01D53/02; | TITANOSILICATE MOLECULAR SIEVE SUPPORTED METALLIC NANODOTS AND METHODS OF USE TO ADSORB NOBLE GASES |
| CN102489715 A 20120613 | CN20111410687; | UNIV ANHUI NORMAL; | B82Y30/00; B22F9/24; B82Y40/00; B22F1/02; | Method for synthesizing metal sulfide-precious metal heterodimer in one step |
| CN102502794 A 20120620 | CN20111332434; | UNIV ANHUI NORMAL; | C01G19/02; B82Y40/00; | Preparation method of porous nano tin dioxide |
| CN102502723 A 20120620 | CN20111318794; | UNIV ANHUI TECHNOLOGY; | B82Y40/00; C01F5/08; | Method for preparing magnesium oxide nano powder material |
| US2012051973 A1 20120301 | US20060758492P;US 20060785649P;US200 70653192;US2011130 80592; | UNIV ARKANSAS TECHNOLOGY DEV; | G01N33/00; B01D35/00; B01J19/12; | TiO ₂ NANOSTRUCTURES, MEMBRANES AND FILMS, AND APPLICATIONS OF SAME |
| PT105395 A 20120523 | PT20100105395; | UNIV AVEIRO; | B82Y40/00; C09K11/64; C01G23/047; B82B1/00; A61Q11/00; C01F7/02; | PASTA DENTAL LUMINESCENTE ANTIBACTERIANA |
| ES2373841 A1 20120209 | ES20100031171; | UNIV BARCELONA; | H05H1/32; B82Y40/00; | METODO Y REACTOR PARA LA PRODUCCION DE NANOPARTICULAS RECUBIERTAS DE CARBONO. |
| CN102378461 A 20120314 | CN20111300760; | UNIV BEIHANG; | H05H1/42; B82Y40/00; | Annular uniform airflow power supplying device |
| CN102517687 A 20120627 | CN20111365075; | UNIV BEIHANG; | D01D5/14; B82Y40/00; D01F6/94; D01F1/10; D01D1/02; D01D13/00; D01D5/06; B82Y30/00; | Elastic fiber with multi-level micro-nano structure and bionic preparation method thereof |

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| CN102337420 A 20120201 | CN20111272595; | UNIV BEIHANG; | C22C1/08; B82Y40/00; C22C3/00; B82Y30/00; | Method for preparing porous Mg ₂ Cu compound based on Mg-Cu one-step dealloying |
| CN102398897 A 20120404 | CN20111347905; | UNIV BEIHANG; | C01B21/064; B82Y40/00; | Method for preparing two-dimensional nano boron nitride with jet flowcavitation technology |
| CN102398920 A 20120404 | CN20111347902; | UNIV BEIHANG; | C01G39/06; B82Y40/00; | Method for preparing two-dimensional nano molybdenum disulfide by jetcavitation technology |
| CN102416308 A 20120418 | CN20111300764; | UNIV BEIHANG; | B01J19/08; B82Y40/00; | Quenching plasma jet reactor with lateral diversion and preparationmethod thereof |
| CN102491309 A 20120613 | CN20111403331; | UNIV BEIJING; | B82Y40/00; C01B31/02; | Carbon nanometer ring and preparation method thereof |
| CN102442702 A 20120509 | CN20111287561; | UNIV BEIJING; | B82Y30/00; C01G49/00; B82Y40/00; | Holmium-doped bismuth ferric multiferroic material and preparationmethod thereof |
| CN102515241 A 20120627 | CN20111434845; | UNIV BEIJING; | B82Y40/00; C01F17/00; | Method for preparing CeO ₂ nanoparticles from W/O type microemulsion |
| CN102409179 A 20120411 | CN20111269994; | UNIV BEIJING; | B82Y40/00; C22B7/04; | Method for preparing one-dimensional nanostructures of titaniumdioxide with melting slag of titanium containing electric furnace |
| CN102417201 A 20120418 | CN20111256233; | UNIV BEIJING; | C01G9/02; B82Y40/00; C01F17/00; C01G51/04; | Method for preparing one-dimensional self-assembly material with ZnOnanorod array as template |
| CN102513126 A 20120627 | CN20111344754; | UNIV BEIJING; | B82Y25/00; B82Y30/00; B01J23/89; B01J35/10; C07C45/38; C07C47/52; | Multilevel core-shell structure magnetic nano gold catalyst andpreparation method thereof |
| CN102303907 A 20120104 | CN20101526580;CN2 0111116496; | UNIV BEIJING; | A01N59/16; B82Y40/00; C01G39/00; A01P1/00; | Nano silver-containing trimolybdate and preparation method and usethereof as antibacterial agent |
| CN102351250 A 20120215 | CN20111204525; | UNIV BEIJING; | B82Y40/00; G01N27/04; C01G39/02; G01N27/60; | One-dimensional molybdenum oxide nano rod gas-sensitive material,preparation method and application thereof |
| CN102509648 A 20120620 | CN20111324879; | UNIV BEIJING; | H01G9/20; B82Y40/00; | Preparation method for Ga-doped ZnO nanometer material |

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| CN102515116 A 20120627 | CN20111385352; | UNIV BEIJING; | B82Y40/00; C01B19/02; | Preparation method for high-purity tellurium nanometer powder |
| CN102354668 A 20120215 | CN20111308483; | UNIV BEIJING; | B82Y40/00; H01L21/336; | Preparation method of carbon-based nanometer material transistor |
| CN102320647 A 20120118 | CN20111236749; | UNIV BEIJING; | B82Y40/00; C01G3/12; | Preparation method of copper sulphide nanopowder with differentstoichiometric ratios |
| CN102363530 A 20120229 | CN20111220723; | UNIV BEIJING; | C01G3/12; B82Y40/00; | Preparation method of Cu _{1.8+x} S binary thermoelectric material |
| CN102517576 A 20120627 | CN20111436093; | UNIV BEIJING; | B82Y40/00; C23C22/54; | Preparation method of simple long-acting super-hydrophilic molybdenumsurface |
| CN102315129 A 20120111 | CN20111190786; | UNIV BEIJING; | B82Y10/00; H01L21/336; B82Y40/00; | Preparation method of vertical silicon nanowire field effect transistor |
| CN102351179 A 20120215 | CN20111304752; | UNIV BEIJING; | C01B31/34; B82Y40/00; | Process for preparing nanometer WC (wolfram carbide) powder throughvacuum aerogel carbonization process |
| CN102513533 A 20120627 | CN20111456075; | UNIV BEIJING; | B82Y30/00; B22F9/24; B22F1/00; B82Y40/00; C01B31/04; | Single-layer graphene/gold nanoparticle composite and preparationmethod for same |
| CN102431987 A 20120502 | CN20111303370; | UNIV BEIJING; | C01B25/37; B82Y40/00; | Synthesis method of monocline CePO ₄ nano wire |
| CN102485653 A 20120606 | CN20101567711; | UNIV BEIJING; | B82Y30/00; B82Y40/00; C01G9/02; C25B1/00; | Zinc oxide rod-like multilevel structure material and electrochemicalpreparation method thereof |
| EP2445988 A1 20120502 | US20090213615P;WO 2010IL00494; | UNIV BEN GURION; | C09K11/77; C04B35/10; | MANUFACTURING TRANSPARENT YTTRIUM ALUMINUM GARNET BY SPARK PLASMASINTERING |
| US2012065344 A1 20120315 | DE200910012640;WO 2010EP52968; | UNIV BERLIN FREIE; | C08G79/04; C07K1/113; C07K14/00; C07K7/06; | COMPOUND MODIFIED BY A PHOSPHORAMIDATE AND/OR PHOSPHONAMIDE GROUP ANDUSE THEREOF |
| US2012138535 A1 20120607 | DE200910034575;WO 2010EP04504; | UNIV BIELEFELD; | B01D67/00; B01D69/12; B01D69/02; B32B3/10; B01D61/00; | PERFORATED MEMBRANES |

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| DE102010031767 A1 20120126 | DE201010031767; | UNIV BIELEFELD; | G01B7/16; G01L1/18; B81B1/00; G01L9/06; B81B7/02; | Use of graphite layer for e.g. piezoresistive element obtained by heating at least one monolayer along lateral direction of interlaced low-molecular aromatics and/or low-molecular hetero aromatics under vacuum or inert gas atmosphere |
| AT538888T T 20120115 | US20060774990P;US 20060874438P;WO20 07US04279; | UNIV BRIGHAM YOUNG; | C01G3/02; B22F1/00; C01G25/02; B22F9/20; C01G19/02; C01G5/02; C01G9/02; C01G1/02; | HERSTELLUNG GLEICHFÖRMIGER NANOPARTIKEL AUS ULTRAHOCHREINENMETALLOXIDEN, MISCHMETALLOXIDEN, METALLEN UND METALLLEGIERUNGEN |
| US2012020879 A1 20120126 | US20100400194P;US 201113189450; | UNIV BRIGHAM YOUNG; | A61K39/395; C06B45/12; A61K51/12; A61P35/00; A61K9/14; A61K51/00; | PROCESS, COMPOSITION AND METHOD FOR ANION DEPOSITION INTO FERRITIN FOR THERAPEUTIC AND OTHER USE |
| CN102472733 A 20120523 | US20090270023P;WO 2010US40532; | UNIV BRIGHAM YOUNG; | B01J20/282; G01N30/92; | Thin layer chromatography plates and related methods |
| AU2010266329 A1 20120119 | US20090270023P;WO 2010US40532; | UNIV BRIGHAM YOUNG; | G01N30/92; B01J20/282; | Thin layer chromatography plates and related methods |
| EP2449373 A1 20120509 | US20090270023P;WO 2010US40532; | UNIV BRIGHAM YOUNG; | G01N30/92; B01J20/282; | THIN LAYER CHROMATOGRAPHY PLATES AND RELATED METHODS |
| WO2012012786 A2 20120126 | US20100400194P; | UNIV BRIGHAM YOUNG;WATT RICHARD K; | B82B3/00; B82B1/00; | PROCESS, COMPOSITION AND METHOD FOR ANION DEPOSITION INTO FERRITIN FOR THERAPEUTIC AND OTHER USE |
| EP2401225 A2 20120104 | US20090155784P;US 20100299753P;WO20 10US25623; | UNIV CALIFORNIA; | B82B3/00; B82B1/00; | A SUPRAMOLECULAR APPROACH FOR PREPARATION OF SIZE CONTROLLABLE NANOPARTICLES |
| CN102414116 A 20120411 | US20090155784P;US 20100299753P;WO20 10US25623; | UNIV CALIFORNIA; | B82B3/00; B82B1/00; | A SUPRAMOLECULAR APPROACH FOR PREPARATION OF SIZE CONTROLLABLE NANOPARTICLES |
| US2012064627 A1 20120315 | US20090147424P;US 201013145546;WO20 10US21992; | UNIV CALIFORNIA; | C12N5/02; C12M1/00; B29C59/02; | APPARATUS AND METHOD FOR CULTURING STEM CELLS |

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| US2012161290 A1 20120628 | US201061426166P;US S201113332743; | UNIV CALIFORNIA; | H01L29/16; H01L21/20; | Black GE Based on Crystalline/Amorphous Core/Shell Nanoneedle Arrays |
| CN102460781 A 20120516 | US20090179258P;US 20090243076P;WO20 10US35120; | UNIV CALIFORNIA; | H01M4/04; | Electronically conductive polymer binder for lithium-ion battery electrode |
| US2012119155 A1 20120517 | US20090179258P;US 20090243076P;US201 113294885;WO2010U S35120; | UNIV CALIFORNIA; | B05D5/12; C08G61/10; H01B1/04; | ELECTRONICALLY CONDUCTIVE POLYMER BINDER FOR LITHIUM-ION BATTERY ELECTRODE |
| EP2433323 A1 20120328 | US20090179258P;US 20090243076P;WO20 10US35120; | UNIV CALIFORNIA; | H01M4/04; | ELECTRONICALLY CONDUCTIVE POLYMER BINDER FOR LITHIUM-ION BATTERY ELECTRODE |
| US2012097613 A1 20120426 | US20090143924P;US 201013144027;WO20 10US20624; | UNIV CALIFORNIA; | B01D15/08; C08B37/00; C08F8/00; C07K1/14; C08K5/41; | IMPRINTED POLYMER NANOPARTICLES |
| US2012060922 A1 20120315 | US20080033369P;US 20090920260;WO200 9US35699; | UNIV CALIFORNIA; | H01L31/0296; H01L31/18; C01G3/12; H01L29/225; H01L31/04; | LAYERED INORGANIC NANOCRYSTAL PHOTOVOLTAIC DEVICES |
| US2012076712 A1 20120329 | US20100378092P;US 201113221738; | UNIV CALIFORNIA; | C01F17/00; | MAGNETO-OPTIC NANOCRYSTALLINE OXIDES AND METHODS OF FORMING THE SAME |
| US2012080319 A1 20120405 | US20100346104P;US 201113111452; | UNIV CALIFORNIA; | C25D5/54; G01N27/403; | METAL AND METAL OXIDE CO-FUNCTIONALIZED SINGLE-WALLED CARBON NANOTUBES FOR HIGH PERFORMANCE GAS SENSORS |
| US2012154983 A1 20120621 | US20100391313P;US 201113267559; | UNIV CALIFORNIA; | B05D5/12; C23C16/26; C23C16/40; B32B3/26; H01G9/004; | Method of Fabrication of Carbon Nanofibers on Nickel Foam |
| US2012136241 A1 20120531 | US20090154721P;US 201013202976;WO20 10US25097; | UNIV CALIFORNIA; | B05D5/00; A61B5/055; B32B5/16; B29C41/42; B29C41/22; B29C41/38; | Multi-Modality Nanoparticles Having Optically Responsive Shape |

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| US2012149843 A1 20120614 | US20090230924P;US 20100316325P;US201 213363645;WO2010U S44321; | UNIV CALIFORNIA; | B05D7/14; C08F299/00; C12Q1/68; C12P19/34; A61K8/02; A61K9/70; C08F291/12; | NANOFIBERS AND MORPHOLOGY SHIFTING MICELLES |
| US2012009419 A1 20120112 | US20060834489P;US 20070882408;US2011 13181241; | UNIV CALIFORNIA; | C08G75/24; C08G75/04; H01B1/12; C08G65/38; D02G3/02; C08G73/02; | NANOFIBERS FROM POLYANILINE DERIVATIVES AND METHODS OF SYNTHESIZING AND USING THE SAME |
| US2012118723 A1 20120517 | US20090159759P;US 20090180208P;US201 013256421;WO2010U S26081; | UNIV CALIFORNIA; | C01B3/04; B01J21/06; B01J37/02; B01J35/02; B01J37/34; B01J19/12; B01J37/00; | Nanostructures Having Crystalline and Amorphous Phases |
| US2012038249 A1 20120216 | US20100349797P;US 20100350823P;US201 113118291; | UNIV CALIFORNIA; | H02N2/18; C08G69/48; C08G77/455; H01L41/193; | NOVEL RESPONSIVE POLYMER SYSTEM AND NANOHYBRID THIN FILMS |
| US2012088934 A1 20120412 | US20100355722P;US 201113162422; | UNIV CALIFORNIA; | C07C211/51; C07C233/80; C07C233/65; | OLIGOMER FUNCTIONALIZED NANOTUBES AND COMPOSITES FORMED THEREWITH |
| US2012009126 A1 20120112 | US20000731323;US20 030456895;US200502 96898;US2008018908 9;US201113157297; | UNIV CALIFORNIA; | A61K49/00; G01N21/75; | OPTICAL DETERMINATION OF GLUCOSE UTILIZING BORONIC ACID ADDUCTS |
| US2012070383 A1 20120322 | US20100383340P;US 201113234969; | UNIV CALIFORNIA; | C12Q1/02; A61K31/711; C08G63/685; C12N5/071; C08G69/40; A61K49/06; A61K47/34; A61K38/02; C08G75/12; A61K49/00; | POLYMERIC NANO-CARRIERS WITH A LINEAR DUAL RESPONSE MECHANISM AND USE THEREOF |
| US2012021034 A1 20120126 | US20080139310P;US 200913140714;WO20 09US68816; | UNIV CALIFORNIA; | A01N59/16; A01N25/26; A01P1/00; | STRUCTURED SILVER-MESOPOROUS SILICA NANOPARTICLES HAVING ANTIMICROBIAL ACTIVITY |
| US2012128963 A1 20120524 | US20090176864P;US 201013265377;WO20 10US33927; | UNIV CALIFORNIA; | B32B3/26; B32B5/16; C09K3/18; C01G23/047; B05D3/02; | SUPERHYDROPHILIC NANOSTRUCTURE |

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| EP2427406 A1 20120314 | US20090176864P;WO 2010US33927; | UNIV CALIFORNIA; | C01G23/047; B82B3/00; B05D3/00; B82B1/00; C03C17/00; | SUPERHYDROPHILIC NANOSTRUCTURE |
| US2012091402 A1 20120419 | US20070756215;US20 1113334608; | UNIV CALIFORNIA; | H01B1/12; H01B1/08; H01B1/00; | SYNTHESIS OF CONDUCTING POLYMER NANOFIBERS USING AN OLIGOMER OF AMONOMER AS AN INITIATOR |
| US2012021248 A1 20120126 | US20100347212P;US 201113113623; | UNIV CALIFORNIA; | C25D1/04; C25D7/06; C25D11/00; B32B15/01; | SYNTHESIS OF NANOPEAPODS BY GALVANIC DISPLACEMENT OF SEGMENTEDNANOWIRES |
| US2012037884 A1 20120216 | US20080111642P;US 20090611063;US2011 13250558; | UNIV CALIFORNIA; | H01L33/00; | THIN P-TYPE GALLIUM NITRIDE AND ALUMINUM GALLIUM NITRIDE ELECTRON- BLOCKING LAYER FREE GALLIUM NITRIDE- BASED LIGHT EMITTING DIODES |
| US2012018551 A1 20120126 | WO2009IB51507;ZA20 080002727; | UNIV CAPE TOWN; | B02C23/00; C01B19/04; C01G21/21; B01J19/00; C01B33/02; | Method of Producing Stable Oxygen Terminated SemiconductingNanoparticles |
| US2012067725 A1 20120322 | US20070002482P;US 20080267332;US2011 13247049; | UNIV CARNEGIE MELLON; | B01J19/08; B01J8/08; | Apparatuses and Methods for Control and Self- Assembly of Particlesinto Adaptable Monolayers |
| US8206631 B1 20120626 | US20080192482P;US 20090562683; | UNIV CARNEGIE MELLON; | B29C41/22; B29C41/20; | Methods of making dry adhesives |
| ES2374466 A1 20120217 | ES20100000011; | UNIV CATALUNYA POLITECNICA; | B01J13/16; B82Y40/00; C01B11/06; | PROCEDIMIENTO PARA LA OBTENCION DE NANOCAPSULAS QUE CONTIENEN HIPOCLORITO Y CAPSULAS OBTENIDAS POR DICHO PROCEDIMIENTO. |
| CN102351233 A 20120215 | CN20111205890; | UNIV CENTRAL SOUTH; | B82Y40/00; C01F11/46; | Production process for nanometer barium sulfate |
| US2012035333 A1 20120209 | TW20100125888;TW2 0100125889;TW20100 127939; | UNIV CHANG GUNG; | C08G73/18; | CARBOXYLIC POLYBENZIMIDAZOLE |

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| US2012031774 A1 20120209 | TW20100125888;TW2 0100125889;TW20100 127939; | UNIV CHANG GUNG; | G01N27/30; | ELECTRODE FOR AN ELECTROCHEMICAL DEVICE AND METHOD FOR DETECTINGHYDROGEN PEROXIDE USING THE ELECTRODE |
| US2012035334 A1 20120209 | TW20100125888;TW2 0100125889;TW20100 127939; | UNIV CHANG GUNG; | C08L79/04; | METHOD FOR PREPARING CARBOXYLIC POLYBENZIMIDAZOLE |
| CN102504805 A 20120620 | CN20111303031; | UNIV CHANGCHUN; | C09K11/06; B82Y40/00; B82Y30/00; | Magneto-optic dual-function composite nanobelt and its preparationmethod |
| CN102392320 A 20120328 | CN20111249600; | UNIV CHANGCHUN; | B82Y40/00; D01F1/10; D01F9/10; D01D5/00; D01D1/02; D01F11/00; | Method for preparing europium-doped LaOBr nanoribbon |
| CN102392322 A 20120328 | CN20111251457; | UNIV CHANGCHUN; | D01D5/00; D01F1/10; D01F9/10; C09K11/84; D01F11/00; B82Y40/00; D01D1/02; | Method for preparing europium-doped sulfur oxide gadoliniumlight-emitting nanometer fiber |
| CN102417200 A 20120418 | CN20111249576; | UNIV CHANGCHUN; | B82Y40/00; C01F17/00; | Method for preparing europium-doped yttrium fluoride hollownano-spheres with high-molecular composite fiber as template |
| CN102502882 A 20120620 | CN20111303051; | UNIV CHANGCHUN; | B82Y40/00; C01G49/12; | Method for preparing La ₂ Fe ₂ S ₅ submicron rod |
| CN102408129 A 20120411 | CN20111266789; | UNIV CHANGCHUN; | C01G23/053; B82Y40/00; | Method for preparing nano-titanium dioxide with controllable phasecomposition |
| CN102392324 A 20120328 | CN20111251515; | UNIV CHANGCHUN; | D01F9/10; D01D1/02; D01F11/00; B82Y40/00; D01F1/10; D01D5/00; C09K11/84; | Method for preparing terbium-doped yttrium oxide sulfide greenfluorescent nanometer belt |
| CN102392325 A 20120328 | CN20111251565; | UNIV CHANGCHUN; | D01D5/00; D01F9/10; D01D1/02; B82Y40/00; D01F11/00; | Method for preparing yttrium sulfide nanoribbon |
| CN102345110 A 20120208 | CN20111290014; | UNIV CHANGCHUN; | C23C16/44; B82Y40/00; B82Y30/00; C23C16/30; | Method for self-assembling growth of GaAs nano structure in MOCVD(Metal-Organic Chemical Vapor Deposition) manner |

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| CN102423494 A 20120425 | CN20111309190; | UNIV CHANGCHUN; | B82Y40/00; A61K47/22; G01N21/64; A61K49/00; A61K47/04; A61K47/34; | Preparation method of CdTe/ZnS/polyether/folic acid core-shellnanoparticle |
| CN102392327 A 20120328 | CN20111376493; | UNIV CHANGCHUN; | D01D5/00; D01D1/02; D01F1/10; B82Y40/00; D01F9/10; | Preparation method of cerium-doped yttrium aluminium garnet nanobelt |
| CN102392319 A 20120328 | CN20111249596; | UNIV CHANGCHUN; | D01D5/00; D01F11/00; D01F1/10; B82Y40/00; D01D1/02; D01F9/10; | Preparation method of europium-doped LaOBr nanofiber |
| CN102392323 A 20120328 | CN20111251496; | UNIV CHANGCHUN; | D01F11/00; B82Y40/00; D01D1/02; D01D5/00; D01F1/10; D01F9/10; | Preparation method of europium ion-doped yttrium oxide sulfidenanometer belt |
| CN102502874 A 20120620 | CN20111303079; | UNIV CHANGCHUN; | C01G49/08; B82Y40/00; | Preparation method of ferroferric oxide (Fe ₃ O ₄) nanobelt in networkstructure |
| CN102392321 A 20120328 | CN20111251435; | UNIV CHANGCHUN; | D01F9/10; D01F11/00; B82Y40/00; D01D1/02; D01D5/00; | Preparation method of vulcanization gadolinium nanometer fiber |
| CN102336411 A 20120201 | CN20111175222; | UNIV CHANGCHUN; | B82Y40/00; C01B39/04; | Spherical MCM-41 molecular sieve with particle size more than 400nanometers, and synthesis method for the same |
| CN102485969 A 20120606 | CN20101573424; | UNIV CHANGSHA SCIENCE; | C25D11/26; B82Y40/00; | Method for preparing nitrogen and gadolinium co-doped titaniano-tube array |
| CN102515154 A 20120627 | CN20111456632; | UNIV CHANGZHOU;USTC UNIV SCIENCE TECH CN; | B82Y40/00; C01B31/04; | Graphene preparation method |
| EP2430112 A2 20120321 | US20090214434P;US 20090264790P;WO20 10US32246; | UNIV CHICAGO; | C09K9/00; | MATERIALS AND METHODS FOR THE PREPARATION OF NANOCOMPOSITES |

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| US2012104325 A1 20120503 | US20090214434P;US 20090264790P;US201 013266079;WO2010U S32246; | UNIV CHICAGO; | C01G19/00; C09K11/65; C09K11/67; C01G28/00; C01B19/00; C01B21/092; C01G55/00; C09K11/66; C09K11/78; C09K11/62; H01B1/20; C09K11/59; C09K11/88; C09K11/64; H01B1/00; | Materials and Methodss for the Preparation of Nanocomposites |
| US2012142547 A1 20120607 | US20010923760;US20 060645095;US201109 84948; | UNIV CHICAGO; | C07F9/655; G01N33/543; G01N33/53; C07C323/58; G01N33/68; C40B30/04; G01N33/551; G01N33/573; C07F9/40; | POLYPEPTIDE IMMOBILIZATION |
| CN102315433 A 20120111 | CN20111276530; | UNIV CHINA; | H01M4/04; C01B31/04; C01G3/02; H01M4/36; B82Y30/00; B82Y40/00; | Graphene loaded Cu-CuxO composite material and preparation methodthereof |
| CN102418082 A 20120418 | CN20111369863; | UNIV CHINA; | C23C16/52; C23C16/44; B81C1/00; B82Y40/00; | Method and device for preparing film coating micronano texture |
| CN102502593 A 20120620 | CN20111306114; | UNIV CHINA; | B01J23/882; B82Y40/00; C01B31/04; B01J23/881; B82Y30/00; | Preparation method of grapheme or doped graphene or graphene complex |
| CN102398902 A 20120404 | CN20111205487; | UNIV CHINA;YUNNAN TIANHONG GAOLING MINING CO LTD; | C01B31/02; B82Y40/00; | Method for preparing carbon nano material by using natural endelliteas formwork |
| CN102303861 A 20120104 | CN20111205489; | UNIV CHINA;YUNNAN TIANHONG GAOLING MINING CO LTD; | B82Y40/00; C01B31/02; | Method for preparing mesoporous carbon material based on natural halloysite as template |
| CN102489311 A 20120613 | CN20111376824; | UNIV CHONGQING; | B01J32/00; B01J23/89; B82Y40/00; C01B3/26; | Catalyst for hydrogen production through catalytic cracking of methaneand its preparation method |
| CN102515250 A 20120627 | CN20111439670; | UNIV CHONGQING; | C01G9/02; B82Y40/00; | Method for preparing low-agglomeration amphiphilic nanometer zinc oxide |

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| CN102408133 A 20120411 | CN20111246322; | UNIV CHONGQING; | C01G49/02; B82Y40/00; | Method for preparing nanometer iron oxide film by natural pyrite |
| CN102502484 A 20120620 | CN20111296089; | UNIV CHONGQING; | B82Y40/00; B82Y30/00; B82B3/00; B82B1/00; | Modified titanium dioxide nano particle nanotube and preparation method thereof |
| CN102515136 A 20120627 | CN20111315075; | UNIV CHONGQING; | C08L61/06; B82Y40/00; C01B31/02; C08J9/26; C01B33/12; C08K3/36; | Nanocomposite material possessing two-dimensional pore passage structure and its preparation method |
| CN102502658 A 20120620 | CN20111279463; | UNIV CHONGQING; | C01B33/12; B82Y40/00; | Nanometer saccular material constituted by ordered mesoporous pore canals and preparation method thereof |
| CN102502778 A 20120620 | CN20111292785; | UNIV CHONGQING; | C01G9/02; B82Y40/00; | Nanometer zinc oxide alcohol-sensitive crystal preparation method |
| CN102390823 A 20120328 | CN20111239274; | UNIV CHONGQING; | B82Y30/00; C01B25/32; B82Y40/00; | Preparation method of nanometer strontium-doped hydroxyapatite powder |
| TW201204630 A 20120201 | US20100845634;US20 1113110860; | UNIV CHUNG YAN CHRISTIAN; | C01B3/08; | Hydrogen-generating material and method for generating hydrogen |
| US2012027672 A1 20120202 | US20100845634;US20 1113110860; | UNIV CHUNG YAN CHRISTIAN; | C01B3/08; | HYDROGEN-GENERATING MATERIAL AND METHOD FOR GENERATING HYDROGEN |
| US2012148813 A1 20120614 | US20080025923; | UNIV CINCINNATI; | B32B15/04; B32B5/16; B32B27/34; B32B27/32; B32B9/04; | MULTIFUNCTIONAL NANOCOATINGS AND PROCESS FOR FABRICATING SAME |
| US2012135211 A1 20120531 | US20080025920; | UNIV CINCINNATI; | B32B7/02; B05D1/18; B32B3/00; B05D5/12; B05D5/00; | MULTIFUNCTIONAL NANOCOATINGS WITH MIXED NANOPARTICLES AND PROCESS FOR FABRICATING SAME |
| US2012148454 A1 20120614 | US20090212877P;US 201013264682;WO20 10US31472; | UNIV CITY NEW YORK RES FOUND; | B05D5/06; B01J19/08; B05D5/12; | PATTERNED COMPOSITE LIGHT HARVESTING STRUCTURES AND METHODS OF MAKING AND USING |
| US2012107562 A1 20120503 | US20080118919P;US 20090186577P;US201 113149355;WO2009U S66220; | UNIV COLUMBIA; | B32B3/00; B44C1/22; B32B15/04; B32B9/00; | METHODS FOR GRAPHENE-ASSISTED FABRICATION OF MICRO-AND NANOSCALE STRUCTURES AND DEVICES FEATURING THE SAME |

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| US2012126199 A1 20120524 | US20060790385P;US 20080246758;US2011 13299875;WO2007US 08389; | UNIV COLUMBIA; | B32B3/10; B05D3/02; C23C16/26; B05D5/00; H01L21/04; H01L29/12; | PREPARING NANOPARTICLES AND CARBON NANOTUBES |
| US2012064246 A1 20120315 | US20060848023P;US 20060848024P;US200 60848026P;US200904 12984;US2011133012 31;WO2007US20778; | UNIV COLUMBIA;UNIV POHANG; | C23C16/455; C23C16/26; | GROWTH AND APPLICATIONS OF ULTRALONG CARBON NANOTUBES |
| US2012122019 A1 20120517 | US20090180285P;US 201013321325;WO20 10US35650; | UNIV CORNELL; | H01M4/70; H01M4/80; H01M4/66; H01M4/90; H01M4/92; | Conducting Metal Oxide and Metal Nitride Nanoparticles |
| US2012097832 A1 20120426 | US20070973326P;US 20080233340;US2011 13337977; | UNIV CORNELL; | H05B33/14; D01F9/00; H01B1/00; G01J1/42; | ELECTROSPUN LIGHT-EMITTING FIBERS |
| EP2419373 A2 20120222 | US20090169609P;US 20090169637P;WO20 10US31294; | UNIV CORNELL; | C01B33/18; B82B3/00; | IMPROVED FLUORESCENT SILICA NANOPARTICLES THROUGH SILICA DENSIFICATION |
| CN102356129 A 20120215 | US20090193984P;WO 2010US00089; | UNIV CORNELL; | C08L83/00; | Nanoparticle organic hybrid materials (nohms) |
| US2012012919 A1 20120119 | US20090163883P;US 20100367132P;US201 00367144P;US201007 48253;US2011131880 77; | UNIV CORNELL; | H01L21/336; H01L21/28; H01L29/788; | NONVOLATILE FLASH MEMORY STRUCTURES INCLUDING FULLERENE MOLECULES ANDMETHODS FOR MANUFACTURING THE SAME |
| CN102386382 A 20120321 | CN20111343624; | UNIV DALIAN TECH; | H01M4/36; B82Y30/00; B82Y40/00; H01M4/62; | CMK-5 type mesoporous carbon-nano inorganic substance compositematerial, preparation method and application thereof |
| CN102491366 A 20120613 | CN20111398881; | UNIV DALIAN TECH; | C01B39/40; B82Y40/00; | Method for preparing hollow zeolite socony mobil- 5 (ZSM-5) nanometerzeolite |
| CN102491257 A 20120613 | CN20111445853; | UNIV DALIAN TECH; | B82Y40/00; B81C1/00; | Method for producing thermoplastic polymer nano channel |

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| US2012014854 A1 20120119 | EP20080169238;US20080115245P;US200913129522;WO2009EP65300; | UNIV DANMARKS TEKNISKE; | B01J21/08; B01D53/56; B01J21/06; | NANOPARTICULAR METAL OXIDE/ANATASE CATALYSTS |
| US2012037306 A1 20120216 | US20050716112P;US20060518832; | UNIV DAYTON; | H01L21/00; | POLYMER-CARBON NANOTUBE COMPOSITE FOR USE AS A SENSOR |
| US2012128929 A1 20120524 | BR2004PI02338;US20070570593;US201113297891;WO2005BR00110; | UNIV DE LA REPUBLICA;UNIV FED DE SAO CARLOS; | H01F1/34; H01F1/42; C09C1/56; H01F1/00; C01B31/04; C01B31/02; | Process of Preparing Magnetic Graphitic Materials, and Materials Thereof |
| AU2010295253 A1 20120412 | AU20090904566;AU20100295253;WO2010A U01226; | UNIV DEAKIN; | C01B35/14; C01B21/064; D01F9/08; C04B35/583; | Method of manufacture |
| AT540431T T 20120115 | IT2008TO00175;IT2008TO00986;WO2009IB 50921; | UNIV DEGLI STUDI GENOVA; | H01L21/263; H01L21/285; H01L33/00; H01L21/768; | VERFAHREN ZUR SYNTHESE EINES ARRAYS VON METALLNANODR—HTEN MIT DERF—HIGKEIT ZUR UNTERST—TZUNG VON LOKALISIERTEN PLASMONRESONANZEN UND VERFAHREN ZUR HERSTELLUNG EINE DAS ARRAY UMFASSENGE PHOTONISCHE ANORDNUNG |
| ITSA20100029 A1 20120402 | IT2010SA00029; | UNIV DEGLI STUDI SALERNO; | 2D | SINTESI ONE-POT" DI NANO CRISTALLI 1D |
| NL2005365C C 20120320 | NL20102005365; | UNIV DELFT TECH; | B01J37/16; B01J35/00; C01B31/02; | CARBON NANOSTRUCTURES AND NETWORKS PRODUCED BY CHEMICAL VAPORDEPOSITION. |
| CN202170382U U 20120321 | CN20112234151U; | UNIV DONGHUA; | D01D5/00; B82Y40/00; | Electrospinning-dynamic liquid device for producing and preparingthree-dimensional nanofiber |
| CN102336920 A 20120201 | CN20111142132; | UNIV DONGHUA; | B82Y40/00; C08J7/04; C01G49/08; C08J7/12; C08L1/02; C08K3/22; B32B23/08; | Magnetic bacterial cellulose membrane with lyophobic performance and its preparation method |
| CN102380112 A 20120321 | CN20111332471; | UNIV DONGHUA; | B82Y40/00; A61K51/06; A61K51/12; B82Y5/00; | Preparation method for diatrizoic-acid-modified dendrimer goldnanoparticles |

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| CN102515284 A 20120627 | CN20111440737; | UNIV DONGHUA; | C01G31/02; B82Y30/00; B82Y40/00; C01G49/08; | Preparation method for Fe ₃ O ₄ /graphene composite powder |
| CN102350307 A 20120215 | CN20111182705; | UNIV DONGHUA; | B01J20/22; C02F1/62; B01J20/30; B01J20/28; B82Y40/00; C02F1/28; | Preparation method of hybrid nano film |
| CN102389395 A 20120328 | CN20111348512; | UNIV DONGHUA; | A61P31/04; B82Y40/00; A61K31/43; A61K47/34; A61K9/14; A61K47/04; | Preparation of n-HA/PLGA electrostatic spinning composite nanofibermedicament loading system |
| US2012152303 A1 20120621 | DE200910022408;WO 2010DE00536; | UNIV DRESDEN TECH; | B32B17/06; B32B15/04; B32B9/00; C07C13/62; B32B3/02; H01L31/042; B32B18/00; B32B5/02; B32B3/10; H01L31/04; B32B5/16; B32B9/04; H01L51/46; | Organic Solar Cell or Photodetector Having Improved Absorption |
| DE102010062184 B3 20120419 | DE201010062184; | UNIV DRESDEN TECH; | C23C18/16; B82B3/00; | Verfahren zur Metallbeschichtung von Nanopartikeln mittels stromloser Abscheidetechniken |
| US2012060984 A1 20120315 | US20100365169P;US 201113182983; | UNIV DREXEL; | C06B35/00; | Carbon Nanotubes Containing Confined Copper Azide |
| US2012121683 A1 20120517 | US20050668636P;US 20080910689;US2012 13348907;WO2006US 13215; | UNIV DREXEL; | H01F41/00; B05D5/00; A61K9/70; H01F1/01; | FUNCTIONAL NANOPARTICLE FILLED NANOTUBES AND METHODS OF THEIR PRODUCTION |
| US2012046184 A1 20120223 | EP20090153864;US20 090155677P;US20101 3203604;WO2010IE00 009; | UNIV DUBLIN; | C07K1/14; C08F301/00; C40B30/04; C07K14/00; C08F112/08; B32B5/16; G01N33/53; G01N27/447; C12P21/00; C08F116/06; G01N33/559; | METHOD FOR THE SELECTIVE CONCENTRATION OF A SPECIFIC LOW ABUNDANCE BIOMOLECULE |
| CN102498061 A 20120613 | GB20090013011;WO2 010GB51099; | UNIV DURHAM; | C01B31/04; | Production of graphene from metal alkoxide |

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|-----------------------------|-----------------------------------|---------------------------------|--|--|
| KR20120039665 A 20120425 | GB20090013011; | UNIV DURHAM; | C01B31/02; C23C16/00; B01J8/00; | PRODUCTION OF GRAPHENE FROM METAL ALKOXIDE |
| EP2459484 A1 20120606 | GB20090013011;WO2 010GB51099; | UNIV DURHAM; | C01B31/04; | PRODUCTION OF GRAPHENE FROM METAL ALKOXIDE |
| CN102491405 A 20120613 | CN20111367370; | UNIV EAST CHINA; | C01G9/02; B82Y40/00; | Composite nano-zinc oxide material and its preparation method |
| CN102502879 A 20120620 | CN20111340517; | UNIV EAST CHINA; | B82Y40/00; C01G49/08; | Fe ₃ O ₄ nano-microsphere and preparation method thereof |
| CN102433732 A 20120502 | CN20111219201; | UNIV EAST CHINA; | D06M11/74; C01B31/02; D06M11/83; B82Y40/00; | Method for synthesizing carbon nanotube array on quartz fiber surface |
| CN102407343 A 20120411 | CN20111355856; | UNIV EAST CHINA; | B82Y40/00; B82Y30/00; B22F9/24; | Method for synthesizing copper nanoparticles |
| CN102502871 A 20120620 | CN20111344369; | UNIV EAST CHINA; | B82Y40/00; C01G49/06; | Method for synthesizing three-dimensional porous ferric oxide nano rodcluster |
| CN102416335 A 20120418 | CN20111260912; | UNIV EAST CHINA; | B82Y30/00; B01J27/08; C02F1/32; C01B3/04; | Nano silver/cubic silver bromide photocatalysis material and preparation method thereof |
| CN102515177 A 20120627 | CN20111434861; | UNIV EAST CHINA; | B82Y40/00; C01G19/02; B82Y30/00; C01B33/12; | Preparation method of stannic oxide/silica composite nano-particle |
| CN102502825 A 20120620 | CN20111360468; | UNIV EAST CHINA; | C01G31/02; B82Y40/00; | Red bayberry-shaped V ₂ O ₅ nanomaterial and preparation method thereof |
| CN102503547 A 20120620 | CN20111318546; | UNIV EAST CHINA; | C04B41/50; B82Y40/00; | Semiconductor material of Cu ₂ O porous micro/nano cube and preparation method thereof |
| CN102442834 A 20120509 | CN20111309144; | UNIV EAST CHINA; | B82Y40/00; C04B41/50; | Semiconductor material with Cu ₂ O nano bamboo shoot structure and preparation method thereof |
| CN102425007 A 20120425 | CN20111390457; | UNIV ELECTRONIC SCIENCE & TECH; | C30B29/64; C30B7/14; C30B29/02; B82Y40/00; | Method for preparing silver nanocrystals on silicon wafer surface |
| JP2012008144 A 20120112 | US20030496104P;US 20040919944; | UNIV EMORY; | B82Y35/00; B82Y5/00; B82Y15/00; B82Y20/00; G01N21/65; B82Y40/00; | SURFACE ENHANCEMENT RAMAN SPECTROMETRY (SERS) ACTIVITY COMPLEX NANOPARTICLE, METHOD FOR MANUFACTURING THE SAME AND METHOD FOR USING THE SAME |

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| US2012000526 A1 20120105 | US20090158189P;US 201013254929;WO20 10US26320; | UNIV FLORIDA; | H01L31/0224; C01G9/02; | AIR STABLE ORGANIC-INORGANIC NANOPARTICLES HYBRID SOLAR CELLS |
| US2012009381 A1 20120112 | US20100362500P;US 201113174454; | UNIV FLORIDA; | B32B3/12; B32B7/12; | CARBON NANOTUBE HONEYCOMB AND METHODS OF MAKING AND USE THEREOF |
| KR20120011004 A 20120206 | US20090505070;US20 100320639P;WO2010 US42451; | UNIV FLORIDA; | H01M4/90; B01J23/00; H01M4/88; B82B3/00; | CATALYTIC ELECTRODE WITH GRADIENT POROSITY AND CATALYST DENSITY FOR FUEL CELLS |
| CN102318111 A 20120111 | US20090505070;US20 100320639P;WO2010 US42451; | UNIV FLORIDA; | H01M8/10; B82B3/00; H01M4/88; H01M4/90; H01M4/88; H01M8/10; H01M4/90; B01J23/00; B82B3/00; B01J23/00; | CATALYTIC ELECTRODE WITH GRADIENT POROSITY AND CATALYST DENSITY FOR FUEL CELLS |
| US2012123061 A1 20120517 | US20100326011P;US 201113090576; | UNIV FLORIDA; | C08F122/40; C08G59/14; | Composite Materials and Method for Making High- Performance Carbon Nanotube Reinforced Polymer Composites |
| US2012085970 A1 20120412 | US20100392251P;US 201113271947; | UNIV FLORIDA; | C08L67/03; C08L69/00; C08L63/00; C08L29/04; C09K3/00; C08K3/04; C08L33/12; B29C45/00; C03C14/00; C04B35/52; | Composite Materials Reinforced with Carbon Nanotube Yarns |
| US2012123182 A1 20120517 | US20080113698P;US 201113106355;WO20 09US63719; | UNIV FLORIDA; | C08K5/17; A61K31/465; F42D1/04; A61N5/00; C08K5/3415; C08K5/05; A61K47/36; A61K47/30; A61K9/00; A61K31/56; A61K38/02; A61K38/28; A01N25/26; A61K47/00; A61K38/22; C05F11/00; C08K5/10; | DEVICES FOR THERMALLY INDUCED TRANSFORMATIONS CONTROLLED BY IRRADIATION OF FUNCTIONALIZED FULLERENES |
| US2012061630 A1 20120315 | US20090181058P;US 201013321880;WO20 10US36172; | UNIV FLORIDA; | C08F28/06; C08L41/00; | GREEN SOLUBLE CONJUGATED POLYMERS WITH HIGH CHARGE CARRIER MOBILITIES |

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| US2012094020 A1 20120419 | US20040557029P;US 20040631711P;US200 70594185;US2010072 7930;US20111331241 7;WO2005US10282; | UNIV FLORIDA; | B05D1/18; B05D1/02; C08F8/20; B05D1/00; B05D7/00; B05D1/28; | HYDROPHOBIC FLUORINATED POLYELECTROLYTE COMPLEX FILMS AND ASSOCIATEDMETHODS |
| US2012035343 A1 20120209 | US20080045136P;US 20090423155;US2011 13273477; | UNIV FLORIDA; | C08G63/06; C08G63/00; C08G63/42; | Method for Functionalization of Nanoscale Fibers and Nanoscale Fiber Films |
| US2012115049 A1 20120510 | US20090174122P;US 201013265976;WO20 10US31995; | UNIV FLORIDA; | H01M4/88; H05K3/00; H01M4/90; B29C39/22; | SINGLE WALL CARBON NANOTUBE BASED AIR CATHODES |
| US2012056199 A1 20120308 | EP20090154542;WO2 010EP52840; | UNIV FRIEDRICH ALEXANDER ER; | H01L29/16; H01L21/20; | Self-supporting CVD diamond film and method for producing a self-supporting CVD diamond film |
| EP2403974 A1 20120111 | EP20090154542;EP20 100708519;WO2010E P52840; | UNIV FRIEDRICH ALEXANDER ER; | C23C16/27; C23C16/01; B32B5/00; | SELF-SUPPORTING CVD DIAMOND FILM AND METHOD FOR PRODUCING A SELF- SUPPORTING CVD DIAMOND FILM |
| CN102391831 A 20120328 | CN20111402194; | UNIV FUDAN; | C09K3/00; H01F1/12; B82Y30/00; B82Y25/00; | Carbon nanotube composite material modified by magnetic nanoparticles, its preparation method and application |
| CN102432842 A 20120502 | CN20111262248; | UNIV FUDAN; | B82Y30/00; C08L65/00; C08K3/08; C08G61/04; C07D295/037; | Ionic liquid-modified conjugate oligomer as well as preparation method and application thereof |
| CN102502667 A 20120620 | CN20111324506; | UNIV FUDAN; | C01B33/18; B82Y40/00; C01G23/08; | Large-pore-diameter large-window three- dimensionally communicated ordered mesoporous material and preparation method thereof |
| CN102324319 A 20120118 | CN20111193459; | UNIV FUDAN; | H01G9/20; H01G9/042; B82Y40/00; B82Y30/00; H01M14/00; H01L51/44; | Method for preparing graphene/platinum nano counter electrode material for dye sensitized solar cell |
| CN102320592 A 20120118 | CN20111248086; | UNIV FUDAN; | C01B31/02; B82Y30/00; B82Y40/00; | Method for separating carbon nanotubes with different conductive performances |
| CN102417198 A 20120418 | CN20111246787; | UNIV FUDAN; | B82Y40/00; C01F11/18; | Preparation method of barium carbonate powder |

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| CN102328958 A 20120125 | CN20111176820; | UNIV FUZHOU; | C01G39/02; B82Y40/00; H01M4/1391; | Hexagonal-phase MoO ₂ nanosphere stacked micron hollow sphere and preparation method and application thereof |
| CN102381701 A 20120321 | CN20111217821; | UNIV FUZHOU; | C01B31/04; B82Y40/00; | Method for numerously preparing asphalt-based graphene material with low cost |
| CN102336440 A 20120201 | CN20111176966; | UNIV FUZHOU; | H01M4/48; B82Y40/00; C01G41/00; | Method for preparing high-purity and monoclinic-phase ZnWO ₄ nanoparticle and application thereof |
| CN102332573 A 20120125 | CN20111172936; | UNIV FUZHOU; | B82Y40/00; H01M4/485; B82Y30/00; | One-dimensional core-shell structure material for lithium ion battery, and preparation method of one-dimensional core-shell structure material |
| CN102336435 A 20120201 | CN20111268492; | UNIV FUZHOU; | C01G23/047; B82Y40/00; | Porous rutile TiO ₂ mesomorphose and preparation method and application thereof |
| US2012134932 A1 20120531 | US20080196725P; US 200913125244; WO20 09US61452; | UNIV GEORGETOWN; | C08F230/04; A61B5/055; A61K49/12; | Manganese-Oxo Clusters as Contrast Agents for Magnetic Resonance Imaging |
| US2012153262 A1 20120621 | US20100970997; | UNIV GEORGETOWN; | H01L29/775; H01L21/335; | Systems and process for forming carbon nanotube sensors |
| CN102522454 A 20120627 | CN20111419632; | UNIV GUANGDONG TECHNOLOGY; | B82Y30/00; B82Y40/00; C23C18/00; H01L31/18; | Preparation method of CdSe nanocrystal semiconductor film |
| CN102390852 A 20120328 | CN20111236863; | UNIV GUILIN TECH GUT; | C01F7/30; B82Y40/00; | Method for preparing high-purity superfine Alpha-Al ₂ O ₃ powder from microemulsion |
| CN102502642 A 20120620 | CN20111345054; | UNIV GUILIN TECH GUT; | C01B31/36; B82Y40/00; | Method for preparing nanometer silicon carbide fiber in phenolic resin atmosphere |
| CN102515283 A 20120627 | CN20111411043; | UNIV GUILIN TECH GUT; | C01G49/08; B82Y40/00; | Preparation method of magnetic iron oxide nanoparticle capable of stably dispersing in water |
| CN102515236 A 20120627 | CN20111423088; | UNIV HANGZHOU NORMAL; | B82Y40/00; C01F11/18; | Preparation method for vaterite-phase calcium carbonate microspheres with uniform size |

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|----------------------------|-----------------|------------------|---|---|
| DE102010045254 A1 20120315 | DE201010045254; | UNIV HANNOVER; | C01G9/02; | Producing metal-doped zinc oxide, comprises evaporating metallic zinc or zinc precursor compound, evaporating doping agent in the form of an organometallic compound containing doping metal and merging resultant gaseous starting materials |
| CN102507860 A 20120620 | CN20111302225; | UNIV HARBIN ENG; | B82Y15/00; B82Y40/00; G01N33/00; | Fe ₂ O ₃ /TiO ₂ tubular nano-structure with quasi-single crystal TiO ₂ shell and preparation method thereof |
| CN102502786 A 20120620 | CN20111319261; | UNIV HARBIN ENG; | C01G11/00; B82Y40/00; | Method for preparing cadmium hydroxide nanowires |
| CN102515151 A 20120627 | CN20111434705; | UNIV HARBIN ENG; | B82Y30/00; B82Y40/00; C01B31/04; | Porous graphene with stratified columnar support structure and its preparation method |
| CN102328949 A 20120125 | CN20111169008; | UNIV HARBIN ENG; | C01G3/02; B82Y40/00; | Preparation method for copper oxide nanoribbon with high hydrogen storage capacity |
| CN102502892 A 20120620 | CN20111347464; | UNIV HEBEI; | C01G53/00; B82Y40/00; | A preparation method for nickel molybdate nanotube / nano wire coexisting structure |
| CN102332358 A 20120125 | CN20111316353; | UNIV HEBEI; | H01G9/04; B82Y40/00; H01L51/44; H01L51/48; H01G9/20; H01M14/00; | Echinoid Zn/ZnO micro/nano-structured electrode and preparation method thereof |
| CN102502846 A 20120620 | CN20111347430; | UNIV HEBEI; | B82Y40/00; C01G45/00; | Manganese molybdate material having micron rod structure and assembled by nano sheets |
| CN102412393 A 20120411 | CN20111287567; | UNIV HEBEI; | B82Y40/00; H01M4/48; | Method and application of synthesis of Mg ₂ V ₂ O ₇ nanoparticles employing high temperature solid phase method |
| CN102390804 A 20120328 | CN20111330329; | UNIV HEBEI; | B81C1/00; B82Y40/00; | Method and system used for manufacturing nanometer channel by combining dynamic nanometer scraping and plasma body |
| CN102412392 A 20120411 | CN20111287566; | UNIV HEBEI; | H01M4/48; B82Y40/00; | Method for compounding ZnV ₂ O ₆ and Zn ₂ V ₂ O ₇ micro-nano-material with high temperature solid state method and use thereof |
| CN102502884 A 20120620 | CN20111347427; | UNIV HEBEI; | C01G51/00; B82Y40/00; | Method for controlling cobalt molybdate nanorods |

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|---------------------------|----------------|--------------|-----------------------|--|
| CN102320606 A 20120118 | CN20111202753; | UNIV HEBEI; | C01B33/03; B82Y40/00; | Method for growing nanocrystalline silicon powder |
| CN102502885 A 20120620 | CN20111347461; | UNIV HEBEI; | C01G51/00; B82Y40/00; | Method for preparing cobalt molybdate material assembled by nanosheets and having micron rod structure |
| CN102502839 A 20120620 | CN20111347428; | UNIV HEBEI; | B82Y40/00; C01G39/00; | Method for preparing flaky bismuth molybdate nano material with uniform thickness |
| CN102502843 A 20120620 | CN20111347510; | UNIV HEBEI; | B82Y40/00; C01G39/00; | Method for preparing lanthanum molybdate nanotube material by microwave radiation method |
| CN102502841 A 20120620 | CN20111347507; | UNIV HEBEI; | C01G39/00; B82Y40/00; | Method for preparing silver molybdate microspheres and nano rods |
| CN102502835 A 20120620 | CN20111347392; | UNIV HEBEI; | B82Y40/00; C01G39/00; | Method for preparing silver molybdate nano square crystal |
| CN102502834 A 20120620 | CN20111347391; | UNIV HEBEI; | C01G39/00; B82Y40/00; | Method for preparing surfactant-directed grown superfine bismuth molybdate nano rods |
| CN102502837 A 20120620 | CN20111347394; | UNIV HEBEI; | C01G39/00; B82Y40/00; | Method for preparing ultrathin lanthanum molybdate nano sheet material |
| CN102320658 A 20120118 | CN20111213026; | UNIV HEBEI; | C01G31/00; B82Y40/00; | Method for synthesizing alkaline earth metal vanadate micro/nanomaterials by adopting hydrothermal/solvothermal method |
| CN102320659 A 20120118 | CN20111243952; | UNIV HEBEI; | B82Y40/00; C01G31/00; | Method for synthesizing lanthanum-vanadate nano material by adopting microwave-radiation method |
| CN102502838 A 20120620 | CN20111347395; | UNIV HEBEI; | C01G39/00; B82Y40/00; | Preparation method for copper molybdate microsphere super structure assembled by nanosheets |
| CN102502859 A 20120620 | CN20111347429; | UNIV HEBEI; | C01G49/00; B82Y40/00; | Preparation method for iron molybdate nanocone material with sheet-layer structure |
| CN102502860 A 20120620 | CN20111347463; | UNIV HEBEI; | B82Y40/00; C01G49/00; | Preparation method for iron molybdate nanosheets |
| CN102502847 A 20120620 | CN20111347506; | UNIV HEBEI; | C01G45/00; B82Y40/00; | Preparation method for manganese molybdate nanospheres regular in shape |

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| CN102502891 A 20120620 | CN20111347426; | UNIV HEBEI; | B82Y40/00; C01G53/00; | Preparation method for nickel molybdate nanorod material |
| CN102502842 A 20120620 | CN20111347508; | UNIV HEBEI; | C01G39/00; B82Y40/00; | Preparation method for radial copper molybdate microspheres assembled by nanowires |
| CN102502840 A 20120620 | CN20111347462; | UNIV HEBEI; | C01G39/00; B82Y40/00; | Preparation method for zirconium molybdate ultrathin nanoparticles |
| CN102502836 A 20120620 | CN20111347393; | UNIV HEBEI; | C01G39/00; B82Y40/00; | Preparation method for zirconium molybdate ultrathin nanosheets controlled by structure-directing agent |
| CN102491354 A 20120613 | CN20111400676; | UNIV HEBEI; | C01B33/20; B82Y40/00; | Preparation method of nano-scale tourmaline powder |
| CN102417206 A 20120418 | CN20111252199; | UNIV HEBEI; | B82Y40/00; C01G31/00; | Preparation method of NaV ₂ O ₅ crystal material with right angle morphology |
| CN102320668 A 20120118 | CN20111148353; | UNIV HEBEI; | C01G49/12; C01B17/02; B82Y40/00; | Pyrite nano mineral material and preparation method thereof |
| CN202272730U U 20120613 | CN20112412383U; | UNIV HEBEI; | B81C1/00; B82Y40/00; | System for making nano channel by combination of dynamic nano squeeze printing and plasma polymerization |
| CN102502771 A 20120620 | CN20111323668; | UNIV HEILONGJIANG; | C01G3/02; B82Y40/00; | Method for preparing cuprous oxide (Cu ₂ O) with hierarchical flower-like structure |
| CN102515269 A 20120627 | CN20111381978; | UNIV HEILONGJIANG; | C01G23/053; B01J21/06; B82Y40/00; | Method for preparing high-activity porous nanocrystal titanium dioxide catalyst with hydrothermal method |
| CN102502661 A 20120620 | CN20111327678; | UNIV HEILONGJIANG; | B82Y40/00; C01B33/12; | Method for preparing nanometer silicon dioxide through taking alkaline type activated sludge carbon as raw material |
| CN102351157 A 20120215 | CN20111228495; | UNIV HENAN; | B82Y30/00; B82Y40/00; C01B21/076; | Iron-doped novel titanium nitride nano particle |
| CN102515249 A 20120627 | CN20111435171; | UNIV HENAN; | B82Y40/00; C01G9/02; | Method for preparing flaky or blocky nano-ZnO |
| CN102303880 A 20120104 | CN20111202027; | UNIV HENAN; | C01F5/22; B82Y40/00; | Method for preparing magnesium hydroxide nanocrystallines |

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| CN102502820 A 20120620 | CN20111391114; | UNIV HENAN; | B82Y40/00; C01G30/00; | One-dimensional Sb ₂ O ₃ micro-nanometer powder and composite-morphological Sb ₂ O ₃ micro-nanometer powder prepared in one-step method |
| CN102320598 A 20120118 | CN20111210428; | UNIV HENAN; | B82Y40/00; C01B31/04; | Preparation method of graphene |
| CN102502663 A 20120620 | CN20111354758; | UNIV HENAN; | B82Y40/00; C01B33/12; | Preparation method of hydrophobic nano-silica |
| CN102344153 A 20120208 | CN20111277766; | UNIV HENAN; | C01F5/22; C01F5/20; B82Y40/00; | Preparation method of nanotubular magnesium hydroxide |
| CN102502848 A 20120620 | CN20111330054; | UNIV HENAN; | B82Y40/00; C01G45/02; | Solvothermal preparation method for alkali manganese oxide nanowires |
| US2012058887 A1 20120308 | US20040989100;US20 070826388;US201113 296639; | UNIV HONG KONG POLYTECHNIC; | C01G23/047; | Method for preparing an article with single-phase anatase titanium oxide |
| EP2414278 A2 20120208 | US20090211865P;WO 2010US01027; | UNIV HOUSTON; | B82B3/00; | METAL NANOPARTICLES FUNCTIONALIZED WITH RATIONALLY DESIGNED COATINGS AND USES THEREOF |
| US2012032116 A1 20120209 | US20100371104P;US 201113204205; | UNIV HOUSTON; | C01B31/06; C09K11/65; | METHOD OF PRODUCING DIAMOND POWDER AND DOPED DIAMONDS |
| US2012164433 A1 20120628 | US20100418652P;US 201113309111; | UNIV HOUSTON; | B05D3/12; B05D7/00; B32B5/16; B05D3/14; H01B1/12; H01B1/04; B05D1/32; B05D3/00; B05D5/00; | POLYMER NANOCOMPOSITE PRECURSORS WITH CARBON NANOTUBES AND/OR GRAPHENE AND RELATED THIN FILMS AND PATTERNING |
| US2012015146 A1 20120119 | US20100363696P;US 201113179515; | UNIV HOUSTON; | B05D5/06; B32B3/00; B32B27/06; B32B5/16; C23C28/00; B05D5/12; B05D3/14; | TYPES OF ELECTRODEPOSITED POLYMER COATINGS WITH REVERSIBLE WETTABILITY AND ELECTRO-OPTICAL PROPERTIES |
| CN102447011 A 20120509 | CN20111421633; | UNIV HUAZHONG SCIENCE TECH; | B82Y30/00; H01L31/0224; H01L31/18; B82Y40/00; | Method for manufacturing solar battery photoanode and product thereof |

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| CN102502818 A 20120620 | CN20111324785; | UNIV HUBEI TECHNOLOGY; | B82Y40/00; C01G25/02; | One-step synthesis method of nano-sized zirconium oxide sphericalagglomerated particles used for hot spray-coating |
| CN102309973 A 20120111 | CN20111147143; | UNIV HUNAN; | B01J27/04; C02F1/46; B82Y40/00; B01J27/057; C02F1/30; B82Y30/00; B01J23/745; B01J37/34; B01J23/30; B01J23/18; | Composite photoelectric catalyst as well as preparation andapplications |
| US2012000770 A1 20120105 | US20070890787P;US 20080034365;US2011 13154808; | UNIV ILLINOIS; | C25B11/00; C25B9/00; G01Q70/14; | ELECTROCHEMICAL DEPOSITION PLATFORM FOR NANOSTRUCTURE FABRICATION |
| US2012100446 A1 20120426 | US20090151141P;US 201013147393;WO20 10US23466; | UNIV ILLINOIS; | B01J19/10; H01M8/06; | Hydrogen Storage Using Hydrocarbon Nanostructures and Sonication |
| US2012090825 A1 20120419 | US20090182878P;US 20100393690P;US201 113273719;WO2010U S36921; | UNIV ILLINOIS; | C25D7/12; F28F7/00; | NANOFIBER COVERED MICRO COMPONENTS AND METHODS FOR MICRO COMPONENTCOOLING |
| CN102482076 A 20120530 | KR20090071356;KR20 100004279;WO2010K R03209; | UNIV INJE IND ACAD COOPERATION; | B82B1/00; C01B31/02; B82B3/00; | Carbonaceous Nanocomposite Having Novel Structure And FabricationMethod Thereof |
| CN102432064 A 20120502 | CN20111279338; | UNIV INNER MONGOLIA SCI & TECH; | C01G23/053; B82Y40/00; | Method for synthesizing nanometer titanium dioxide by reversemicroemulsion carbon adsorption titanium tetrachloride hydrolytic system |
| CN102432065 A 20120502 | CN20111279351; | UNIV INNER MONGOLIA SCI & TECH; | B82Y40/00; C01G23/053; | Method for synthesizing nanometer titanium dioxide through usingcarbon to adsorb titanium tetrachloride hydrolysis system |
| CN102502557 A 20120620 | CN20111354722; | UNIV INNER MONGOLIA SCI & TECH; | C01B25/37; B82Y40/00; | Preparation method of SmPO ₄ .0.5H ₂ O nanomaterial with hexagonalstructure |
| CN102502558 A 20120620 | CN20111354725; | UNIV INNER MONGOLIA SCI & TECH; | C01B25/37; B82Y40/00; | Synthetic method of CePO ₄ nano material with hexagonal structures |

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| US2012052616 A1 20120301 | US20100377480P;US 201113218624; | UNIV IOWA RES FOUND; | H01L31/18; | METHOD OF IMPROVING POWER CONVERSION EFFICIENCIES IN DYE-SENSITIZED SOLAR CELLS BY FACILE SURFACE TREATMENT |
| US2012031487 A1 20120209 | US20100307620P;US 201113026637;US201 113274383; | UNIV IOWA RES FOUND; | B32B37/14; H01L31/0232; B32B37/02; H01L31/18; B05D5/06; B05D5/12; B05D3/00; C23F1/04; | Nanoscale High-Aspect-Ratio Metallic Structure and Method of Manufacturing Same |
| US2012027673 A1 20120202 | US20100369386P;US 201113193180; | UNIV IOWA RES FOUND; | C01B39/04; C01B39/40; | SYNTHESIS OF HIERARCHICAL NANOCRYSTALLINE ZEOLITES WITH CONTROLLED PARTICLE SIZE AND MESOPOROSITY |
| CN102502556 A 20120620 | CN20111418475; | UNIV JIANGNAN; | C01B25/32; B82Y40/00; | Method for preparing nano hydroxyapatite |
| CN102493177 A 20120613 | CN20111418343; | UNIV JIANGNAN; | B82Y40/00; D06M11/52; C23C14/35; C23C14/06; | Method for preparing nano selenium fabric |
| CN102493180 A 20120613 | CN20111418578; | UNIV JIANGNAN; | C23C14/35; D06M11/79; C23C14/08; B82Y40/00; | Method for preparing water repellent fabric |
| CN102353704 A 20120215 | CN20111173954; | UNIV JIANGNAN; | G01N27/26; B82Y40/00; | Preparation method and use of universal antibiotic detection sensor |
| CN102351239 A 20120215 | CN20111191897; | UNIV JIANGSU; | B82Y40/00; C01G9/02; | Device for preparing nanometer zinc oxide by vacuum limit oxygen method |
| US2012029064 A1 20120202 | CN20081242993;WO2 009CN01300; | UNIV JIANGSU; | A61K31/357; B29C35/16; | FORMULATION OF SILIBININ WITH HIGH EFFICACY AND PROLONGED ACTION AND THE PREPARATION METHOD THEREOF |
| CN102409339 A 20120411 | CN20111367258; | UNIV JIANGSU; | C23C24/10; B82Y30/00; B82Y40/00; | Method and device for preparing diamond-like carbon coating by cladding fiber laser |
| CN102491417 A 20120613 | CN20111391363; | UNIV JIANGSU; | C01G29/00; B82Y40/00; | Method for preparing ball-flower-shaped gamma-bismuth trioxide powder |

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| CN102407329 A 20120411 | CN20111365867; | UNIV JIANGSU; | C23C18/44; B82Y30/00; B22F1/02; B82Y40/00; | Method for preparing nickel-silver coreshell structure nanoparticles |
| US2012137960 A1 20120607 | WO2009CN00978; | UNIV JIANGSU; | C30B7/10; | Process for Preparing Various Morphology NTE Compound ZrW _{0.5} Mo _{1.5} O ₈ |
| CN102502852 A 20120620 | CN20111383414; | UNIV JIANGXI NORMAL; | B82Y40/00; C01G45/02; | Low-temperature preparation method of nanometer manganese dioxide electrode material with high specific surface area and big tunnel structure |
| CN102503155 A 20120620 | CN20111392803; | UNIV JIAOTONG; | B81C1/00; B82Y40/00; C03C15/00; | Glass surface nanofabrication method based on friction-induced selective etching |
| JP2012056936 A 20120322 | TW20100130148; | UNIV JIAOTONG; | A61K47/02; B82Y40/00; A61K47/24; B82Y5/00; A61K9/06; A61K47/10; A61K47/36; A61K47/22; A61K9/51; A61K47/20; | INJECTABLE SMART GEL AND METHOD FOR FABRICATING THE SAME |
| CN102424377 A 20120425 | CN20111272771; | UNIV JIAOTONG; | C01B31/02; B82Y40/00; | Method for preparing coiled carbon nanotube macroscopic body |
| CN102418130 A 20120418 | CN20111342131; | UNIV JIAOTONG; | B82Y30/00; B82Y40/00; C25D9/08; C25D5/48; | Preparation method of gridded CuxS/Cu ₂ O (x is 1.75-2) composite pyramid-like film |
| CN102502539 A 20120620 | CN20111349484; | UNIV JILIANG CHINA; | B82Y40/00; B82Y30/00; C04B35/582; C04B35/626; C01B21/072; | Method for preparing yttrium-doped nano aluminum nitride powder |
| CN102502538 A 20120620 | CN20111349474; | UNIV JILIANG CHINA; | B82Y40/00; C01B21/072; | Method for synthesizing ultrafine aluminum nitride powder at low temperature under assistance of calcium |
| CN102328093 A 20120125 | CN20111251316; | UNIV JILIN; | B82Y40/00; B82Y30/00; B22F9/24; | Method for preparing gold nano particles with echinoid structures by seed intermediate approach |
| CN102431977 A 20120502 | CN20111260564; | UNIV JILIN; | B82Y40/00; C01B21/06; | Method for preparing manganese-doped gallium nitride nano-material |
| CN202254991U U 20120530 | CN20112334169U; | UNIV JINAN; | F28D15/02; C09K5/06; B82Y40/00; | Integral equipment for preparing water-based nano fluid and filling heat pipe |

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| CN102515257 A 20120627 | CN20111394197; | UNIV JINAN; | B82Y40/00; C01G15/00; G01N33/48; | Preparation method for nano-In ₂ O ₃ gas-sensing material of hollow fiberstructure |
| US2012114759 A1 20120510 | US20100392224P;US 201113272042;US201 161542995P;US20116 1543046P; | UNIV JOHNS HOPKINS; | C08G75/00; A61K31/711; A61K38/39; A61K38/08; A61K48/00; A61K31/7105; A61K38/02; A61P35/00; A61P27/02; C08L5/00; C12N15/85; C12N5/071; A61K38/20; A61K9/14; A61K47/34; A61K31/713; A61K38/10; | PEPTIDE/PARTICLE DELIVERY SYSTEMS |
| US2012101022 A1 20120426 | US20090202772P;US 201013262742;WO20 10US29747; | UNIV JOHNS HOPKINS; | C07K2/00; C07K1/04; A61K38/02; C07K7/06; B32B3/00; | SELF-ASSEMBLING PEPTIDES BEARING ORGANIC ELECTRONIC FUNCTIONALITY ANDAPPLICATIONS EMPLOYING THE SAME |
| US2012135237 A1 20120531 | US20090173427P;US 201013266558;WO20 10US32696; | UNIV JOHNS HOPKINS; | B32B5/16; G03F7/20; B29C59/02; H01L21/302; | SELF-ASSEMBLY OF LITHOGRAPHICALLY PATTERNED POLYHEDRAL NANOSTRUCTURESAND FORMATION OF CURVING NANOSTRUCTURES |
| US2012012532 A1 20120119 | JP20090017367;WO2 010JP50880; | UNIV KANAZAWA NAT UNIV CORP; | C01B31/08; | Arsenic sorbent for remediating arsenic-contaminated material |
| US2012157626 A1 20120621 | TW19910044853; | UNIV KAOHSIUNG MEDICAL; | C08G63/91; | Hybrid Superparamagnetic Iron Oxide Nanoparticles And PolyethylenimineAs A Magnetoplex For Gene Transfection |
| US2012065278 A1 20120315 | US20100790353;US20 1113299862; | UNIV KENTUCKY RES FOUND; | C07C27/00; | INCORPORATION OF CATALYTIC DEHYDROGENATION INTO FISCHER-TROPSCH SYNTHESIS TO SIGNIFICANTLY REDUCE CARBON DIOXIDE EMISSIONS |
| CA2723655 A1 20120603 | CA20102723655; | UNIV KINGSTON; | C01G15/00; C12P1/00; C01G9/00; C01G3/00; C12P3/00; C01G11/00; | BIOSYNTHESIS OF NANOPARTICLES |
| US2012138905 A1 20120607 | KR20100121350;KR20 110038769; | UNIV KOOKMIN IND ACAD COOP; | H01L51/10; B82Y40/00; B82Y10/00; H01L51/40; | FLEXIBLE ORGANIC MEMORY DEVICE AND METHOD OF FABRICATING THE SAME |

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| KR20120001270 A 20120104 | KR20100061978; | UNIV KOREA RES & BUS FOUND; | C01B33/12; C01B37/02; C01B31/02; B09B3/00; | METHOD FOR RECYCLING OF SILICA ETCHING WASTE AND METHOD FOR PREPARING MESOPOROUS MATERIALS |
| US2012015069 A1 20120119 | US20090548959;US20 1113246593; | UNIV KOREA RES & BUS FOUND; | B29C59/02; | NANO PATTERN WRITER |
| KR20120021632 A 20120309 | KR20100077392; | UNIV KOREA RES & BUS FOUND; | B82B3/00; C01G45/02; | NOVEL MANGANESE OXIDE NANOPARTICLE AND CONTRAST AGENT COMPRISING THESAME |
| US2012156321 A1 20120621 | US20090500946;US20 1213407488; | UNIV KOREA RES & BUS FOUND; | B29C59/02; | WIDE AREA STAMP FOR ANTIREFLECTIVE SURFACE |
| CN102492929 A 20120613 | CN20111440618; | UNIV KUNMING SCIENCE & TECH; | C23C14/35; C23C14/14; B82Y40/00; C23C14/54; B82Y30/00; | High-strength and high-conductivity copper/molybdenum nanomultilayered film and its preparation method |
| CN102491344 A 20120613 | CN20111377777; | UNIV KUNMING SCIENCE & TECH; | C01B33/12; B82Y30/00; B82Y40/00; | Silica nano-particle and its preparation method and use |
| US2012107589 A1 20120503 | JP20090162049;JP20 100031638;WO2010J P61566; | UNIV KYUSHU; | H01B1/08; B32B3/00; H01B1/12; | COMPOSITE SHAPED BODY AND SILICA GLASS, AND METHOD FOR PRODUCING THESAME |
| CN102344149 A 20120208 | CN20111165363; | UNIV LANZHOU TECH; | C01B35/04; | Preparation method of ZrB ₂ powder material |
| US2012034286 A1 20120209 | US20050685348P;US 20080914983;US2011 13220150;WO2006US 20429; | UNIV LEHIGH; | A61L9/012; A61L11/00; C05F3/04; | STABILIZATION OF BIOSOLIDS USING IRON NANOPARTICLES |
| NL2005112C C 20120123 | NL20102005112; | UNIV LEIDEN; | B22F1/00; B01J37/00; C25C1/00; C25B1/00; | PROCESS TO PREPARE METAL NANOPARTICLES OR METAL OXIDE NANOPARTICLES. |
| GB2482188 A 20120125 | GB20100012378; | UNIV LEIDEN; | C30B25/18; C23C16/01; | Two dimensional film formation |
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| US2012027955 A1 20120202 | US20070978673P;US 20080248731; | UNIV LOUISVILLE RES FOUND; | C23C16/455; H05H1/46; | REACTOR AND METHOD FOR PRODUCTION OF NANOSTRUCTURES |
| CN102515128 A 20120627 | CN20111376204; | UNIV LUDONG; | B82Y40/00; C01B25/32; | Preparation method for rodlike hydroxyapatite nano material |
| US2012121994 A1 20120517 | US20090177445P;US 201013320140;WO20 10US34527; | UNIV MAINE SYS BOARD TRUSTEES; | H01M8/00; H01M4/86; H01M8/10; H01M4/94; | Membrane And Catalyst Composite For Membrane Electrode Assembly |
| US2012063955 A1 20120315 | US20040625212P;US 20040630992P;US200 80718560;US2011133 01900;WO2005US394 98; | UNIV MARYLAND; | B05D1/36; | METAL-ENHANCED FLUORESCENCE FROM PLASTIC SUBSTRATES |
| US2012028849 A1 20120202 | US20040629822P;US 20040640290P;US200 50707083P;US200507 19731;US2011132672 21;WO2005US42050; | UNIV MARYLAND; | A61L2/00; G01N33/553; C12M1/34; | MICROWAVE ACCELERATED ASSAYS |
| US2012097521 A1 20120426 | US20100406270P;US 201113280401; | UNIV MASSACHUSETTS; | B01J19/12; B29C33/38; | NANOSTRUCTURED APPARATUS AND METHODS FOR PRODUCING CARBON- CONTAININGMOLECULES AS A RENEWABLE ENERGY RESOURCE |
| US2012116195 A1 20120510 | US20080105604P;US 200913124036;WO20 09US60852; | UNIV MEMPHIS RES FOUNDATION;UNIV TENNESSEE RES FOUNDATION;US OF AMERICA AS REPRESENTED BYTHE SECRETARY OF THE ARMY; | A61M5/168; G01N33/50; G01N27/327; A61B5/1473; | METHOD AND DEVICE FOR DETECTION OF BIOAVAILABLE DRUG CONCENTRATION INA FLUID SAMPLE |
| US2012007046 A1 20120112 | US20100363103P;US 201113179885; | UNIV MICHIGAN; | H01L51/44; H01L51/48; | CARBON NANOTUBE HYBRID PHOTOVOLTAICS |

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| US2012038085 A1 20120216 | US20090169398P;US 201013264181;WO20 10US31169; | UNIV MICHIGAN; | B29C59/02; | DYNAMIC NANO-INSCRIBING FOR CONTINUOUS AND SEAMLESS METAL AND POLYMERNANOGRATINGS |
| US2012156389 A1 20120621 | US20090275528P;US 201013393341;WO20 10US47313; | UNIV MICHIGAN; | B05D3/10; B05D1/36; B05D3/00; B05D3/06; B05D1/38; B05D3/12; | PREPARATION OF LAYER-BY-LAYER MATERIALS AND COATINGS FROM IONIC LIQUIDS |
| US2012126449 A1 20120524 | US20090165431P;US 201013260945;WO20 10US29530; | UNIV MICHIGAN; | B05D3/12; B29C41/38; B05D5/00; B29C41/42; B29C41/00; B05D3/10; B22D23/00; | SHAPING NANOSTRUCTURE ARRAYS |
| US2012094828 A1 20120419 | US20060857554P;US 20070937150;US2011 13278754; | UNIV MISSOURI; | C01B31/12; C01B31/20; B01J20/30; C01B23/00; C01B13/00; C07C9/04; C01B3/00; C01B21/00; C07C11/24; C01B31/08; | HIGH SURFACE AREA CARBON AND PROCESS FOR ITS PRODUCTION |
| US2012071682 A1 20120322 | US20080028825P;US 20090372436;US2011 13047454; | UNIV MISSOURI; | C07F7/21; | ORGANOSILICA NANOPARTICLES AND METHOD FOR MAKING |
| GB2484743 A 20120425 | GB20100017941; | UNIV MONTFORT; | H01L31/0264; H01L31/0256; H01L31/04; H01L51/56; H01L51/42; H01L51/00; H01L31/0248; | ORGANIC PHOTOCONDUCTIVE MATERIAL |
| CN102460786 A 20120516 | JP20090151523;WO2 010JP60782; | UNIV NAGASAKI; | H01M10/0566; H01M10/052; H01M4/58; C01B25/45; H01M4/36; | Composite nano porous electrode material, process for production thereof, and lithium ion secondary battery |

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| US2012100422 A1 20120426 | JP20090151523;WO2 010JP60782; | UNIV NAGASAKI; | H01M10/05; H01M4/04; H01M4/583; H01M4/505; | COMPOSITE NANO POROUS ELECTRODE MATERIAL, PROCESS FOR PRODUCTION THEREOF, AND LITHIUM ION SECONDARY BATTERY |
| US2012145070 A1 20120614 | JP20080220179;US20 1113032884;US20121 3354628;WO2009JP0 4200; | UNIV NAGOYA; | C30B23/02; | PROCESS FOR PRODUCING GRAPHENE/SiC COMPOSITE MATERIAL AND GRAPHENE/SiC COMPOSITE MATERIAL OBTAINED THEREBY |
| US2012074361 A1 20120329 | JP20090046785;WO2 010JP52917; | UNIV NAGOYA;UNIV TOKYO;UNIV OSAKA; | C01B17/20; H01B1/10; | SEMICONDUCTOR NANOPARTICLES AND METHOD FOR PRODUCING SAME |
| CN102502795 A 20120620 | CN20111334286; | UNIV NANCHANG; | C01G19/02; B82Y40/00; B82Y30/00; | Preparation method for tin-based oxide nanorods |
| CN102320653 A 20120118 | CN20111138432; | UNIV NANJING; | B82Y30/00; H01L51/46; C01G23/047; H01L51/42; B82Y40/00; H01G9/042; H01G9/20; | Anisotropic etched light trapping V-type micron- nano structural titanium dioxide material and application thereof |
| CN102491316 A 20120613 | CN20111412906; | UNIV NANJING; | B82Y30/00; B82Y40/00; C01B31/04; | Graphite alkenyl supermolecule hybridization material with strengthened heat stability and preparation method thereof |
| CN102390827 A 20120328 | CN20111203895; | UNIV NANJING; | B01J27/232; B82Y40/00; C01B31/02; | Method for catalyzing and synthesizing spiral carbon nano material by using water-soluble alkali metal carbonate |
| CN102502584 A 20120620 | CN20111340783; | UNIV NANJING; | C01B31/02; B82Y40/00; | Method for controllably synthesizing carbon nano- fiber, carbon nanotube and carbon nanospring |
| CN102491343 A 20120613 | CN20111372175; | UNIV NANJING; | C01B33/12; B82Y40/00; | Method for preparing nanometer hollow bar- shaped silicon dioxide materials |
| CN102522211 A 20120627 | CN20111371855; | UNIV NANJING; | H01L51/44; B82Y40/00; H01L31/0224; H01G9/042; H01G9/20; H01M14/00; | Method for preparing nanometer titanium dioxide slurry through cellulose acidification process |
| CN102303891 A 20120104 | CN20111180575; | UNIV NANJING; | B82Y40/00; B82Y30/00; C01F17/00; | Method for preparing neodymium/gadolinium/scandium/aluminum garnet doped nanometer powder |

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| CN102502810 A 20120620 | CN20111339199; | UNIV NANJING; | B82Y40/00; C01G23/053; C01G23/08; | Method for preparing porous nano TiO ₂ |
| CN102513542 A 20120627 | CN20111370138; | UNIV NANJING; | B22F1/00; B22F9/24; B82Y30/00; B82Y40/00; | Method for preparing porous Pd nanospheres with liquid phase reduction method and prepared nanospheres |
| CN102328926 A 20120125 | CN20111191111; | UNIV NANJING; | B82Y40/00; C01B31/04; | Method for selectively reducing graphene oxide by using hindered amine light stabilizer |
| CN102311108 A 20120111 | CN20111137438; | UNIV NANJING; | C01B25/45; B82Y40/00; | Microsphere material assembled by patterned metal ammonium phosphatesalt nanosheets and preparation method thereof |
| CN102350344 A 20120215 | CN20111227235; | UNIV NANJING; | C07C17/266; C07B37/04; B01J23/50; C07C43/215; C07C25/24; B82Y40/00; C07C15/48; C07C41/30; C07C2/86; C07C15/54; | Monodispersed Ag nanocrystalline catalyst, its preparation method and its application in Sonagashira reaction |
| CN102418018 A 20120418 | CN20111363698; | UNIV NANJING; | B82Y40/00; C22C23/00; B82Y30/00; C22C1/05; | Nano-magnesium-based hydrogen storage material and preparation method thereof |
| CN102502798 A 20120620 | CN20111351451; | UNIV NANJING; | C01G23/00; B82Y40/00; | Preparation method for monodisperse barium titanate nanopowder |
| CN102320666 A 20120118 | CN20111168041; | UNIV NANJING; | B82Y40/00; C01G49/00; | Preparation method for substituting fluorine for oxygen in bismuth ferrite crystal lattices |
| CN102320669 A 20120118 | CN20111253871; | UNIV NANJING; | C01G51/04; B82Y40/00; | Preparation method of coraloid beta-cobalt-hydroxide electrode material |
| CN102502787 A 20120620 | CN20111319761; | UNIV NANJING; | C01G11/02; B82Y30/00; B82Y40/00; | Preparation method of multi-morphology Zn-Cd-S semiconductor nanocomposite material based on one-step controllable synthesis |
| CN102311138 A 20120111 | CN20111223849; | UNIV NANJING; | B82Y40/00; C01F17/00; B82Y30/00; | Preparation method of neodymium-doped gadolinium scandium aluminum garnet nanometer powder |
| CN102492987 A 20120613 | CN20111440732; | UNIV NANJING; | C30B29/62; C30B7/10; C30B29/20; C30B5/00; B82Y40/00; | Process for growth of ZnO nano-wire array on flexible substrate by using solution method |

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| CN102517106 A 20120627 | CN20111415835; | UNIV NANJING; | C01F11/18; C08F265/10; C01G49/06; C10L1/32; B82Y40/00; | Slurry stabilizing agent and applications thereof |
| CN102452687 A 20120516 | CN20101518841; | UNIV NANKAI; | B82Y30/00; C01G49/06; | Method for preparing porous nanometer alpha-Fe ₂ O ₃ hollow spheres and application of hollow spheres to low-temperature alcohol sensitivity |
| AU2010263314 A1 20120119 | US20090219066P;WO 2010SG00233; | UNIV NANYANG TECH; | B01J27/20; C02F1/32; B01J21/18; B01J37/02; B01J21/06; C02F1/30; B01J23/00; B01J33/00; B01J37/08; | Doped catalytic carbonaceous composite materials and uses thereof |
| US2012165184 A1 20120628 | US20090219066P;US 201013379574;WO20 10SG00233; | UNIV NANYANG TECH; | B01J37/08; B01J21/18; | DOPED CATALYTIC CARBONACEOUS COMPOSITE MATERIALS AND USES THEREOF |
| EP2445635 A1 20120502 | US20090219066P;WO 2010SG00233; | UNIV NANYANG TECH; | B01J27/20; B01J32/00; C02F1/30; B01J33/00; B01J21/18; B01J21/06; B01J37/02; B01J23/00; B01J37/08; C02F1/32; | DOPED CATALYTIC CARBONACEOUS COMPOSITE MATERIALS AND USES THEREOF |
| US2012134873 A1 20120531 | US20100386069P;US 201113245233; | UNIV NANYANG TECH; | B22F9/16; C22C5/02; | METHOD FOR FABRICATING A GOLD NANOPARTICLE |
| SG178248 A1 20120329 | US20090232939P;WO 2010SG00296; | UNIV NANYANG TECH; | B01J37/10; B01J21/063; B01J23/002; B01J35/0013; B01J35/002; B01J35/004; B01J35/023; B01J35/1019; B01J37/0203; C01G23/00; C01G23/047; B82Y30/00; C02F1/725; C02F1/32; C01P2002/72; C01P2002/76; C01P2002/77; C01P2002/84; C01P2004/04; C01P2004/64; C01P2006/12 | TITANATE / TITANIA COMPOSITE NANOPARTICLE |

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| CN102387984 A 20120321 | US20080095090P;WO 2009SG00318; | UNIV NANYANG; | B82B1/00; B82B3/00; | Nanoparticle decorated nanostructured material as electrode material and method for obtaining the same |
| US2012009334 A1 20120112 | TW20070129462;US2 0080068241;US20111 3243057; | UNIV NAT CENTRAL; | B05D3/00; B05D5/06; B05D3/10; C23C14/34; B05D3/02; B05D5/12; | Method of Fabricating One-Dimensional Nanostructure of Organo-Optoelectronic Material |
| TW201200465 A 20120101 | TW20100121265; | UNIV NAT CENTRAL; | B82B3/00; C23C18/42; C09K13/08; | Nano/micro-structure and fabrication method thereof |
| US2012037792 A1 20120216 | TW20100127349;TW2 0100132361; | UNIV NAT CHENG KUNG; | B32B5/18; C25D1/00; H03K17/78; B32B9/04; B32B15/02; | PHOTO-SENSITIVE COMPOSITE FILM, METHOD OF FABRICATING THE SAME, AND PHOTO-SWITCHED DEVICE COMPRISING THE SAME |
| TW201209855 A 20120301 | TW20100127349;TW2 0100132361; | UNIV NAT CHENG KUNG; | H01B5/14; H01B13/00; | Photo-switched anodized aluminum oxide film, method of fabricating the same, and photo-switched device comprising the same |
| US2012085976 A1 20120412 | TW20100133998; | UNIV NAT CHENG KUNG; | H01B1/02; H01B1/00; | Sintering composition and sintering method |
| EP2433726 A1 20120328 | TW20100132819; | UNIV NAT CHENG KUNG;UNIV NAT TAIWAN; | A61K49/04; A61K49/00; B22F1/00; A61K49/18; B22F9/24; | CT/MRI dual-modality molecular imaging contrast agent and method for manufacturing the same |
| TW201212942 A 20120401 | TW20100132819; | UNIV NAT CHENG KUNG;UNIV NAT TAIWAN; | A61K49/06; | CT/MRI dual modality molecular imaging contrast agent and method for manufacturing the same |
| US2012076737 A1 20120329 | TW20100132819; | UNIV NAT CHENG KUNG;UNIV NAT TAIWAN; | A61K49/18; | METHOD OF USING CT/MRI DUAL MODALITY CONTRAST AGENT |
| TW201211529 A 20120316 | TW20100129471; | UNIV NAT CHIAO TUNG; | G01N27/26; | Ion sensor |
| US2012048733 A1 20120301 | TW20100129471; | UNIV NAT CHIAO TUNG; | G01N27/333; | ION SENSOR FOR MEASURING ION CONCENTRATION OF A SOLUTION |
| KR20120005403 A 20120116 | KR20100065660; | UNIV NAT CHONNAM IND FOUND; | D01F1/10; D01F9/14; D01D5/00; B82Y40/00; | INTERMETALLIC COMPOUND EMBEDDED CARBON NANOFIBER AND METHOD OF MANUFACTURING THE SAME |

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| US2012035295 A1 20120209 | TW20080142586;US2 0090402092;US20111 3275874; | UNIV NAT PINGTUNG SCI & TECH; | B01D53/56; B01D47/00; B01D53/02; C08F2/00; B01J8/00; A61L24/00; B01D53/46; B01D53/86; | METHOD FOR REMOVING VINYL MONOMERS FROM A GAS STREAM |
| US2012128731 A1 20120524 | TW20100139619; | UNIV NAT SUN YAT SEN; | A61K47/00; A61K47/36; A61K31/7048; A61K31/519; A61K31/12; A61K47/42; A61K47/30; A61K9/00; | BIOCOMPATIBLE CARRIER AND METHOD FOR FABRICATING THE SAME |
| US2012070566 A1 20120322 | TW20100131660; | UNIV NAT TAIPEI TECHNOLOGY; | B05D5/12; H01B1/24; | Dispersing Agent of MWCNTs and the Method for Preparation and Application of Homogeneous MWCNTs Dispersion |
| TW201214466 A 20120401 | TW20100131660; | UNIV NAT TAIPEI TECHNOLOGY; | C09D5/24; H01B1/24; C01B31/02; | Dispersing agent of MWCNTs and the method for preparation of homogeneous MWCNTs dispersion |
| TW201200343 A 20120101 | TW20100121380; | UNIV NAT TAIWAN; | H01L21/027; B29C59/02; | A clamping device of micro/nano imprint process and the method thereof |
| TW201221338 A 20120601 | TW20100139717; | UNIV NAT TAIWAN; | B82B3/00; B29C59/02; | A micro/nano-imprint mold of the fabricating process and the method of fabricating high aspect ratio anti-etch structure by utilizing thereof |
| US2012112065 A1 20120510 | US20100410295P;US 201113287281;US201 161431063P; | UNIV NAT TAIWAN; | H01J37/29; G01J1/42; | APPARATUS AND METHOD FOR ESTIMATING CHANGE OF STATUS OF PARTICLE BEAMS |
| US2012012454 A1 20120119 | TW20100123363; | UNIV NAT TAIWAN; | C23C14/34; C23C14/08; | FABRICATION METHOD OF CRYSTALLIZED TRANSPARENT CONDUCTING OXIDES ON SELF-ASSEMBLED ORGANIC LAYER MODIFIED SUBSTRATE |
| TW201202451 A 20120116 | TW20100123363; | UNIV NAT TAIWAN; | C23C14/08; | Fabrication method of crystallized transparent conducting oxides(TCOs) on self-assembled organic layer modified substrate |

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| US2012065053 A1 20120315 | TW20070146916;US2 0080146449;US20111 3300585; | UNIV NAT TAIWAN; | B01J31/26; C08G73/02; B01J31/38; B01J31/06; B01J21/06; B01J31/28; C08K3/22; | INORGANIC/ORGANIC DISPERSANT AND APPLICATION THEREOF |
| US2012112091 A1 20120510 | US20100410295P;US 201113286450;US201 161431063P; | UNIV NAT TAIWAN; | G21K5/00; B01J19/08; H01J3/14; H01J3/26; | METHOD FOR ADJUSTING STATUS OF PARTICLE BEAMS FOR PATTERNING ASUBSTRATE AND SYSTEM USING THE SAME |
| TW201214745 A 20120401 | TW20100131398;TW2 0100143450; | UNIV NAT TAIWAN; | H01L33/00; | Method for forming a light emitting device |
| US2012070922 A1 20120322 | TW20100131398; | UNIV NAT TAIWAN; | H01L21/00; | METHOD FOR FORMING LIGHT EMITTING DEVICE |
| TW201201393 A 20120101 | TW20100120910; | UNIV NAT TAIWAN; | H01L31/18; H01L31/042; | Solar cell and method for fabricating the heterojunction thereof |
| US2012112086 A1 20120510 | US20100410295P;US 201113287290;US201 161431063P; | UNIV NAT TAIWAN; | G01T1/16; G01J1/42; | SYSTEM AND METHOD FOR ESTIMATING CHANGE OF STATUS OF PARTICLE BEAMS |
| TW201223553 A 20120616 | TW20100143041; | UNIV NAT TAIWAN; | A61K8/89; A61K8/25; A61K8/49; | Tooth bleaching catalytic and application thereof |
| US2012148643 A1 20120614 | TW20100143041; | UNIV NAT TAIWAN; | A61K8/02; A61K8/44; A61Q11/00; A61K8/22; | TOOTH BLEACHING CATALYTIC AND APPLICATION THEREOF |
| US2012160695 A1 20120628 | US20050715163P;US 20050749639P;US200 50750335P;US200607 94853P;US200800661 02;US201113291965; WO2006US35252; | UNIV NEVADA; | C25D5/20; | NANO-TUBULAR TITANIA SUBSTRATE AND METHOD OF PREPARING SAME |
| US2012156099 A1 20120621 | US20100422961P;US 201113325978; | UNIV NEW YORK STATE RES FOUND; | G01N27/04; | FLEXIBLE MULTI-MODULED NANOPARTICLE- STRUCTURED SENSOR ARRAY ON POLYMERSUBSTRATE AND METHODS FOR MANUFACTURE |

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| US2012088656 A1 20120412 | US20100390421P;US 201113267704; | UNIV NEW YORK STATE RES FOUND; | B22F9/18; B01J23/38; B01J35/06; | NANOSTRUCTURES HAVING ENHANCED CATALYTIC PERFORMANCE AND METHOD FOR PREPARING SAME |
| CN102367170 A 20120307 | CN20111288901; | UNIV NINGBO; | C01B25/45; B82Y40/00; | Core shell type carbon cladding nano-scale lithium iron phosphate compound cathode material and preparation method thereof |
| CN102351237 A 20120215 | CN20111186599; | UNIV NINGBO; | C01G3/02; B82Y40/00; | Method for preparing nanometer copper oxide |
| TWI359108B B 20120301 | US20030615842; | UNIV NORTH CAROLINA; | C01B31/00; C25D5/02; C25D13/02; C01B31/02; C25D13/10; G01Q70/12; H01L29/06; C25D15/00; B82B1/00; B82B3/00; C25D13/00; C25D13/22; | Deposition method for nanostructure materials |
| US2012034512 A1 20120209 | US20090160081P;US 201113231433;WO20 10US26625; | UNIV NORTH CAROLINA; | D04H1/4209; H01M2/02; B29C47/00; D02G3/00; D04H13/00; H01M4/583; D01F9/14; | LITHIUM ALLOY-CARBON COMPOSITE NANOFIBERS AND METHODS OF FABRICATION |
| US2012021055 A1 20120126 | US20050685578P;US 20090887041;US2011 13157036;US2011131 68597;WO2006US207 81; | UNIV NORTH CAROLINA; | A61K33/00; A61K9/14; | NITRIC OXIDE-RELEASING PARTICLES FOR NITRIC OXIDE THERAPEUTICS AND BIOMEDICAL APPLICATIONS |
| US2012034169 A1 20120209 | US20050685578P;US 20090887041;US2011 13157036;WO2006US 20781; | UNIV NORTH CAROLINA; | A61K31/28; C07F1/12; A61P29/00; A61P15/00; A61P9/00; A61P17/02; A61P7/02; A61P37/00; A61K31/785; A61P1/00; C07F7/18; A61P37/06; A61P25/00; A61K31/695; A61P35/00; A61K49/10; A61K9/14; A61P31/00; A61P7/00; A61P11/00; | NITRIC OXIDE-RELEASING PARTICLES FOR NITRIC OXIDE THERAPEUTICS AND BIOMEDICAL APPLICATIONS |

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| US2012015166 A1 20120119 | US20090543053;US20 1113242878; | UNIV NORTH TEXAS; | H01L51/00; H01L29/08; H01L35/24; | GRAPHENE/(MULTILAYER) BORON NITRIDE HETEROEPITAXY FOR ELECTRONIC DEVICE APPLICATIONS |
| US2012065614 A1 20120315 | US20100381928P;US 201113228947; | UNIV NORTH TEXAS; | A61K31/722; A61K47/48; A61K31/66; C12Q1/02; A61K31/675; G01N21/75; A61M37/00; A61P35/00; A61K49/00; | POLYIONIC TRANSITIONAL METAL PHOSPHORESCENT COMPLEX/POLYMER HYBRIDSYSTEMS FOR BIOIMAGING AND SENSING APPLICATIONS |
| CN102432000 A 20120502 | CN20111283636; | UNIV NORTHEAST; | C01B31/04; B82Y40/00; B82Y30/00; | Graphene/lysine nano composite material and preparation method thereof |
| CN102517005 A 20120627 | CN20111367925; | UNIV NORTHEAST; | C09K11/06; C09K11/65; B82Y30/00; B82Y20/00; | Graphite oxide/acetylacetone terbium nanometer fluorescence compositematerial and preparation thereof |
| CN102408445 A 20120411 | CN20111160987; | UNIV NORTHEAST; | B82Y40/00; A61K47/24; C07F9/6596; C09K11/06; | Hexaminoacid ester phenoxy cyclotriphosphazene, its fluorescentnano- microsphere and preparation method thereof |
| CN102330080 A 20120125 | CN20111199411; | UNIV NORTHEAST; | C23C18/18; C23C18/44; G01N21/65; B82Y40/00; | Method for preparing silver nano flower-like film |
| CN102320612 A 20120118 | CN20111137584; | UNIV NORTHEAST; | C01B33/12; C12N15/63; G01N21/64; C09K11/06; A61K47/32; B82Y30/00; B82Y40/00; | Preparation method and application of fluorescence mesoporous silicanano-particle |
| US2012052649 A1 20120301 | US20070922468P;US 20090594954;US2011 13228701;WO2008US 04584; | UNIV NORTHWESTERN; | H01L51/40; H01L21/336; H01L21/8238; | BISTABLE NANOSWITCH |
| AU2010325999 A1 20120531 | US20090265933P;WO 2010US58715; | UNIV NORTHWESTERN; | G03F7/00; | Block copolymer-assisted nanolithography |

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| CN102492930 A 20120613 | CN20111445928; | UNIV NORTHWESTERN; | C23C14/06; C23C14/35; B82Y40/00; C23C14/08; C23C14/14; | Equipment and method for preparing single or shell-core structurenanoparticle and film thereof |
| US2012128882 A1 20120524 | US20090153389P;US 201013201947;WO20 10US24631; | UNIV NORTHWESTERN; | B29C33/42; B05C11/00; C23F1/00; B05D5/00; | GEL POLYMER PEN LITHOGRAPHY |
| US2012027681 A1 20120202 | US20090159289P;US 201013255697;WO20 10US26986; | UNIV NORTHWESTERN; | A61K33/00; A61K49/00; A61K9/00; H01J37/31; C23C16/26; B32B1/00; B05D5/00; | Low-Aspect Ratio Carbon Nanostructures |
| EP2406072 A1 20120118 | US20090159289P;WO 2010US26986; | UNIV NORTHWESTERN; | B32B9/00; | LOW-ASPECT RATIO NANOSTRUCTURES |
| US2012164396 A1 20120628 | US20070929314P;US 20070945164P;US200 80047642P;US200801 40780; | UNIV NORTHWESTERN; | B32B3/10; B05D5/00; | MATRIX ASSISTED INK TRANSPORT |
| US2012052246 A1 20120301 | US20050674786P;US 20060411594;US2011 13286032; | UNIV NORTHWESTERN; | B32B3/00; | MESOSCALE PYRAMIDS, ARRAYS AND METHODS OF PREPARATION |
| CN102390856 A 20120328 | CN20111359634; | UNIV NORTHWESTERN; | B82Y40/00; C01F17/00; | Method for preparing high-stability gamma-phase nanometer lanthanumsulfide powder in low temperature |
| CN102491332 A 20120613 | CN20111359811; | UNIV NORTHWESTERN; | B82Y40/00; C01B31/36; | Method for preparing SiC nanobelts on SiC ceramic surface |
| CN102491331 A 20120613 | CN20111359635; | UNIV NORTHWESTERN; | C01B31/36; B82Y40/00; | Method for preparing SiC nanometre wires and nanometre belts |
| JP2012060146 A 20120322 | US20010341614P; | UNIV NORTHWESTERN; | B82Y40/00; B82B3/00; G03F7/00; H01L21/027; | PATTERNING OF SOLID BODY FEATURE BY DIRECT INPUT NANOLITHOGRAPHICPRINTING |

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| CN102320651 A 20120118 | CN20111148088; | UNIV NORTHWESTERN; | B82Y40/00; C01G23/00; | Preparation method for strontium titanate nano powder |
| CN102430760 A 20120502 | CN20111275847; | UNIV NORTHWESTERN; | B82Y40/00; B22F9/24; C22B23/00; | Preparation method of metal nickel |
| CN102515278 A 20120627 | CN20111449928; | UNIV NORTHWESTERN; | B82Y40/00; C01G49/00; | Preparation method of nickel ferrite spinel nano-powder |
| US2012167262 A1 20120628 | US20090184578P;US 20100350349P;US201 013375361;WO2010U S37428; | UNIV NORTHWESTERN; | G01Q70/16; G01Q70/14; | SILICON PEN NANOLITHOGRAPHY |
| KR20120026598 A 20120319 | US20090184578P;US 20100350349P; | UNIV NORTHWESTERN; | H01L21/027; | SILICON PEN NANOLITHOGRAPHY |
| EP2438608 A2 20120411 | US20090184578P;US 20100350349P;WO20 10US37428; | UNIV NORTHWESTERN; | H01L21/027; | SILICON PEN NANOLITHOGRAPHY |
| CN102336431 A 20120201 | CN20111177297; | UNIV NORTHWESTERN; | C01G19/02; B82Y40/00; | SnO2 flowerlike structure nano material and hydrothermal preparationmethod for the same |
| CN102389983 A 20120328 | CN20111352314; | UNIV NORTHWESTERN; | B82Y40/00; B22F9/24; B82Y30/00; | Synthesis method of noble metal nano particles |
| ES2374882T T3 20120222 | EP20000870191;WO2 001BE00140; | UNIV NOTRE DAME DE LA PAIX; | C01B31/02; | METODO DE PRODUCCION DE NANOTUBOS CORTOS DE CARBONO FUNCIONALIZADOS. |
| EP2444840 A1 20120425 | PT09104635;WO2010 PT00024; | UNIV NOVA DE LISBOA;YDREAMS INFORMATICA S A; | G02F1/153; | ELECTROCHROMIC DEVICE AND METHOD FOR PRODUCING SAME |
| US2012035353 A1 20120209 | US20050168751;US20 060788609P;US20070 731974;US201113274 717; | UNIV OHIO; | H01B1/00; C07H21/02; C08G73/00; | ALIGNED NANOSTRUCTURED POLYMERS |
| US2012116307 A1 20120510 | US20050668468P;US 20060278812;US2011 13289177; | UNIV OHIO; | A61M5/00; | DIFFUSION DELIVERY SYSTEMS AND METHODS OF FABRICATION |
| CN102438937 A 20120502 | US20090163991P;US 20100726649;WO201 0US27922; | UNIV OHIO; | B82B1/00; B82B3/00; | Pretreatment method for the synthesis of carbon nanotubes and carbonnanostructures from coal and carbon chars |

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| KR20120041157 A 20120430 | US20090163991P;US 20100726649; | UNIV OHIO; | B82B3/00; C01B31/02; B82B1/00; | PRETREATMENT METHOD FOR THE SYNTHESIS OF CARBON NANOTUBES AND CARBONNANOSTRUCTURES FROM COAL AND CARBON CHARS |
| EP2411322 A1 20120201 | US20090163991P;US 20100726649;WO201 0US27922; | UNIV OHIO; | B82B1/00; B82B3/00; | PRETREATMENT METHOD FOR THE SYNTHESIS OF CARBON NANOTUBES AND CARBONNANOSTRUCTURES FROM COAL AND CARBON CHARS |
| JP2012030358 A 20120216 | JP20110200611; | UNIV OSAKA; | B82Y35/00; B82Y40/00; G01Q60/24; B82B3/00; | ATOM POSITION FIXING DEVICE, ATOM POSITION FIXING METHOD AND ATOMMANIPULATING METHOD |
| FR2964104 A1 20120302 | FR20100056918; | UNIV PARIS; | B01D15/38; C08F2/48; C23C22/02; G01N33/53; C08F2/38; C09D139/08; C09D133/02; | COUCHES ULTRAMINCES DE POLYMERES A EMPREINTES MOLECULAIRES CONFINEESEN SURFACE D'UN SUPPORT |
| CN102449748 A 20120509 | US20090177768P;WO 2010US33968; | UNIV PENNSYLVANIA; | H01L21/36; | Photolithographically defined contacts to carbon nanostructures |
| US2012129273 A1 20120524 | US20090177768P;US 201013318682;WO20 10US33968; | UNIV PENNSYLVANIA; | G03F7/004; H01L21/31; H01L21/00; G03F7/20; H01L21/768; | PHOTOLITHOGRAPHICALLY DEFINED CONTACTS TO CARBON NANOSTRUCTURES |

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| US2012121661 A1 20120517 | US19990155398P;US20000668080;US20010300144P;US20020179743;US20020369236P;US20020369237P;US20020389574P;US20030405557;US20030446680P;US20030446681P;US20030467348P;US20030480670P;US20030490613P;US20030701591;US20040876294;US20050643647P;US20050643648P;US20050684159P;US20050699498P;US20050707525P;US20060330814; | UNIV PRINCETON; | A61F2/958; A61F2/08; A61B17/04; A61F9/00; A61P31/00; A61M1/00; A61N1/362; A61N1/05; A61K9/00; A61F2/52; A61J1/10; | DEVICES WITH MULTIPLE SURFACE FUNCTIONALITY |
| US2012114935 A1 20120510 | US19990155398P;US20000668080;US20010300144P;US20020179743;US20020369236P;US20020369237P;US20020389574P;US20030405557;US20030446680P;US20030446681P;US20030467348P;US20030480670P;US20030490613P;US20030701591;US20040876294;US20050643647P;US20050643648P;US20050684159P;US20050699498P;US20050707525P;US20060330814; | UNIV PRINCETON; | B32B3/00; A61F2/958; | DEVICES WITH MULTIPLE SURFACE FUNCTIONALITY |

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| US2012049112 A1 20120301 | US20050697829P;US 20050697872P;US200 60988480;US2011132 71969;WO2006US264 30; | UNIV PRINCETON; | G02F1/00; | Quasicrystalline Structures And Uses Thereof |
| CN102515243 A 20120627 | CN20111399874; | UNIV QINGDAO SCIENCE & TECH; | B01J13/02; B82Y40/00; C01G3/00; | Method for preparation of Cu ₂ O and Au/Cu ₂ O core-shell heterostructure nano cube through thermal oxidation |
| CN102515139 A 20120627 | CN20111369255; | UNIV QINGDAO SCIENCE & TECH; | B82Y40/00; C01B31/30; C01B31/02; | Two-chamber vertical vacuum controllable atmosphere furnace for continuously preparing nano materials through gas-phase method |
| US2012148799 A1 20120614 | US20090272105P;US 201013390719;WO20 10IL00649; | UNIV RAMOT; | B32B3/00; B05D1/12; B05C11/02; H05K3/02; | ALIGNED NANOARRAY AND METHOD FOR FABRICATING THE SAME |
| US2012129916 A1 20120524 | GB20090013442;WO2 010IL00614; | UNIV RAMOT; | A61K31/7088; C07K1/00; C07H21/04; C07K1/107; A61P35/00; C07H21/02; C07H21/00; C12N5/071; | CELL-TARGETING NANOPARTICLES COMPRISING POLYNUCLEOTIDE AGENTS AND USE THEREOF |
| US2012120551 A1 20120517 | US20100414005P;US 201113297324; | UNIV RAMOT; | H01B1/04; C07D209/20; H01G9/155; B06B1/00; C07K2/00; H01L21/02; C07C229/26; B05D5/12; H01G9/00; | ELECTRODE AND METHOD OF MANUFACTURING THE SAME |
| US2012021954 A1 20120126 | US20060872499P;US 20070312961;WO200 7IL01495; | UNIV RAMOT; | C40B40/10; C40B40/04; C40B50/00; C40B60/12; | FORMATION OF ORGANIC NANOSTRUCTURE ARRAY |
| US2012063276 A1 20120315 | US20020431709P;US 20030458378P;US200 40592523P;US200406 07588P;US200501482 62;US20090318619;U S201113290147;WO2 003IL01045; | UNIV RAMOT; | C07K4/00; H01L51/00; | PEPTIDE NANOSTRUCTURES AND METHODS OF GENERATING AND USING THE SAME |

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| US2012122657 A1 20120517 | US20100412942P;US 201113293626; | UNIV RAMOT; | B01J23/36; B01J37/34; | RHENIUM NANOSTRUCTURES |
| US2012061471 A1 20120315 | US20080097237P;US 200913320930;WO20 09IL00906; | UNIV RAMOT; | G06K19/06; G06K7/10; B29D11/00; | SYSTEM AND A METHOD FOR NANO IMPRINTING |
| EP2462259 A1 20120613 | WO2009IB06466; | UNIV REIMS CHAMPAGNE ARDENNE U R C A; | C25D3/66; C25D9/08; C25D1/02; D01F9/08; C25D1/10; | DEVICE FOR THE PRODUCTION OF Si NANOWIRES BY MEANS OF ELECTRODEPOSITION AT AMBIENT TEMPERATURE, METHOD FOR PREPARING SAME AND RESULTING NANOWIRES |
| US2012024153 A1 20120202 | US20100354146P;US 201113159289; | UNIV RICE WILLIAM M; | C08G73/04; B01D53/62; C07C211/38; C07D493/22; C07C209/68; B01D53/02; C07C211/61; | ALIPHATIC AMINE BASED NANOCARBONS FOR THE ABSORPTION OF CARBON DIOXIDE |
| US2012153621 A1 20120621 | US20100423438P;US 201113326521; | UNIV RICE WILLIAM M; | H02K7/18; | COOLING SYSTEMS AND HYBRID A/C SYSTEMS USING AN ELECTROMAGNETIC RADIATION-ABSORBING COMPLEX |
| US2012063988 A1 20120315 | US20090153873P;US 20090177159P;US201 013202352;WO2010U S24754; | UNIV RICE WILLIAM M; | C08L79/00; C01B31/00; B05D3/02; C08K3/30; B29C47/00; C08L77/10; C01B31/04; D01F9/12; | Dissolution Of Graphite, Graphite And Graphene Nanoribbons In Superacid Solutions And Manipulation Thereof |
| US2012107597 A1 20120503 | US20060793911P;US 20070297115;WO200 7US67198; | UNIV RICE WILLIAM M; | B29C45/14; B32B5/16; H01B1/04; | EMBEDDED ARRAYS OF VERTICALLY ALIGNED CARBON NANOTUBE CARPETS AND METHODS FOR MAKING THEM |
| KR20120039634 A 20120425 | US20090187130P; | UNIV RICE WILLIAM M; | C01B31/16; C01B31/02; | GRAPHENE NANORIBBONS PREPARED FROM CARBON NANOTUBES VIA ALKALI METAL EXPOSURE |
| EP2443062 A1 20120425 | US20090187130P;WO 2010US38368; | UNIV RICE WILLIAM M; | C01B31/04; | GRAPHENE NANORIBBONS PREPARED FROM CARBON NANOTUBES VIA ALKALI METAL EXPOSURE |

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| MX2011013545 A 20120508 | US20090187130P;WO 2010US38368; | UNIV RICE WILLIAM M; | C01B31/04; | GRAPHENE NANORIBBONS PREPARED FROM CARBON NANOTUBES VIA ALKALI METALEXPOSURE. |
| US2012129736 A1 20120524 | US20090180505P;US 20090185640P;US201 013321623;WO2010U S34905; | UNIV RICE WILLIAM M; | C01B31/04; C07C39/12; C07C67/00; C07C37/60; C01B31/00; C09K8/03; C07C245/20; | HIGHLY OXIDIZED GRAPHENE OXIDE AND METHODS FOR PRODUCTION THEREOF |
| KR20120030446 A 20120328 | US20090180505P;US 20090185640P; | UNIV RICE WILLIAM M; | C01B31/00; C01B31/02; C01B21/082; C08F301/00; | HIGHLY OXIDIZED GRAPHENE OXIDE AND METHODS FOR PRODUCTION THEREOF |
| EP2432733 A2 20120328 | US20090180505P;US 20090185640P;WO20 10US34905; | UNIV RICE WILLIAM M; | C01B31/00; | HIGHLY OXIDIZED GRAPHENE OXIDE AND METHODS FOR PRODUCTION THEREOF |
| MX2011012432 A 20120508 | US20090180505P;US 20090185640P;WO20 10US34905; | UNIV RICE WILLIAM M; | C01B31/00; | HIGHLY OXIDIZED GRAPHENE OXIDE AND METHODS FOR PRODUCTION THEREOF. |
| US2012154800 A1 20120621 | US20070889668P;US 20080029631; | UNIV RICE WILLIAM M; | B44C1/22; G01J3/44; H01L21/44; | NANOSTRUCTURES AND LITHOGRAPHIC METHOD FOR PRODUCING HIGHLY SENSITIVE SUBSTRATES FOR SURFACE-ENHANCED SPECTROSCOPY |
| US2012145997 A1 20120614 | US20060765986P;US 20070278736;WO200 7US61671; | UNIV RICE WILLIAM M; | H01L21/18; B01J19/08; D01F9/127; H01L29/15; | PRODUCTION OF VERTICAL ARRAYS OF SMALL DIAMETER SINGLE-WALLED CARBON NANOTUBES |
| HK1084162 A1 20120323 | US20030478936P;US 20030490556P;WO20 04US19015; | UNIV RICE WILLIAM M; | D06M13/196; D06M15/55; C09K9/02; D06M13/148; D06M11/52; D06M13/11; D06M11/09; C01B31/02; C08K7/24; C08K9/04; B29B15/10; C08J5/00; | SIDEWALL FUNCTIONALIZATION OF CARBON NANOTUBES WITH HYDROXYL-TERMINATED MOIETIES |
| US2012090816 A1 20120419 | US20100392568P;US 201113272627;US201 161515398P; | UNIV RICE WILLIAM M; | B23K26/00; B21D53/02; F28D1/00; | SYSTEMS AND METHODS FOR HEAT TRANSFER UTILIZING HEAT EXCHANGERS WITH CARBON NANOTUBES |

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| US2012067855 A1 20120322 | US20060847916P;US 20070862449;US2008 0188258;US20111325 3173; | UNIV ROCHESTER; | B23K26/42; B23K26/00; | FEMTOSECOND LASER PULSE SURFACE STRUCTURING METHODS AND MATERIALS RESULTING THEREFROM |
| US2012040127 A1 20120216 | US20100373470P;US 201113208664; | UNIV ROCHESTER; | B32B37/00; B32B3/00; | STACKED OPTICAL ANTENNA STRUCTURES, METHODS AND APPLICATIONS |
| EP2469285 A1 20120627 | EP20030815180;US20 020219440; | UNIV ROCKEFELLER; | G01N33/92; H01F1/37; A61K47/48; H01F1/00; H01F1/36; A61K49/00; A61K9/127; | Water soluble metal and semiconductor nanoparticle complexes |
| CN102502774 A 20120620 | CN20111375376; | UNIV SHAANXI; | C01G3/12; B82Y40/00; | Method for preparing bar-shaped copper sulfide (CuS) nanocrystallines by microwave solvothermal method |
| CN102390858 A 20120328 | CN20111375929; | UNIV SHAANXI; | B82Y40/00; C01F17/00; | Method for preparing cluster-shaped microcrystalline La ₂ S ₃ with sonochemical process |
| CN102502886 A 20120620 | CN20111375377; | UNIV SHAANXI; | C01G51/00; B82Y40/00; | Method for preparing cobalt sulfide nanocrystallines by hydrothermal or solvent- thermal method |
| CN102502887 A 20120620 | CN20111375676; | UNIV SHAANXI; | B82Y40/00; C01G51/00; | Method for preparing cobalt sulfide nanocrystals by hydrothermal-assisted sonochemistry |
| CN102351203 A 20120215 | CN20111186914; | UNIV SHAANXI; | B82Y40/00; C01B33/20; | Method for preparing flaky bismuth silicate powder |
| CN102390857 A 20120328 | CN20111375344; | UNIV SHAANXI; | B82Y40/00; C01F17/00; | Method for preparing flaky microcrystalline La ₂ S ₃ with hydrothermal process |
| CN102502673 A 20120620 | CN20111374899; | UNIV SHAANXI; | C01B33/20; B82Y40/00; | Method for preparing flaky silicic acid zirconium nanocrystalline |
| CN102502791 A 20120620 | CN20111375499; | UNIV SHAANXI; | B82Y40/00; C01G19/00; | Method for preparing flower-cluster-shaped tin sulfide (SnS) nanometer particles by microwave hydrothermal method |
| CN102328959 A 20120125 | CN20111186915; | UNIV SHAANXI; | C01G41/00; B82Y40/00; | Method for preparing flowerlike Bi ₂ Cr _{0.5} W _{0.5} O ₆ nano powder |

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|---------------------------|----------------|---------------|--|--|
| CN102491428 A 20120613 | CN20111363100; | UNIV SHAANXI; | C01G49/00; B82Y40/00; | Method for preparing hexagonal BeFe ₁₂ O ₁₉ (barium ferrite) magnetic nano powder by microwave-hydrothermal method |
| CN102502769 A 20120620 | CN20111375953; | UNIV SHAANXI; | B82Y40/00; C01G3/00; | Method for preparing lanthanum copper oxide (La ₂ CuO ₄) nano powder by microemulsion process |
| CN102502767 A 20120620 | CN20111375577; | UNIV SHAANXI; | C01G3/00; B82Y40/00; | Method for preparing lanthanum copper oxide (La ₂ CuO ₄) powder by sol-gel-hydrothermal method |
| CN102502765 A 20120620 | CN20111375418; | UNIV SHAANXI; | C01G3/00; B82Y40/00; | Method for preparing lanthanum copper oxide (La ₂ CuO ₄) powder by sol-gel-solvent hydrothermal method |
| CN102502763 A 20120620 | CN20111374897; | UNIV SHAANXI; | C01G3/00; B82Y40/00; | Method for preparing lanthanum copper oxide (La ₂ CuO ₄) powder by sol-gel-ultrasonic chemical method |
| CN102491401 A 20120613 | CN20111374898; | UNIV SHAANXI; | C01G3/00; B82Y40/00; | Method for preparing lanthanum cuprate nanometer crystal through combination of sol-gel and microwave hydrothermal synthesis |
| CN102502762 A 20120620 | CN20111375576; | UNIV SHAANXI; | C01F17/00; B82Y40/00; | Method for preparing lanthanum sulfide crystallite with thin and laminar packed structure through microwave hydrothermal method |
| CN102309961 A 20120111 | CN20111186961; | UNIV SHAANXI; | B01J23/22; A62D3/10; B82Y40/00; | Method for preparing leaf-like bismuth vanadate nano powder |
| CN102503558 A 20120620 | CN20111375837; | UNIV SHAANXI; | C04B41/52; B82Y40/00; C03C17/34; C01B25/45; | Method for preparing LiFePO ₄ nano-film by using biomimetic method |
| CN102503557 A 20120620 | CN20111375601; | UNIV SHAANXI; | C04B41/52; C01F17/00; B82Y40/00; | Method for preparing samarium sulfide film by adopting elementary substance sulfur as sulfur source |
| CN102432056 A 20120502 | CN20111310322; | UNIV SHAANXI; | C01F17/00; B82Y40/00; | Method for preparing Sm ₂ O ₃ nano crystals by solvent thermal method |
| CN102502754 A 20120620 | CN20111310431; | UNIV SHAANXI; | C01F17/00; B82Y40/00; | Method for preparing SmS nanocrystal by solvothermal method |

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| CN102502563 A 20120620 | CN20111374910; | UNIV SHAANXI; | B82Y40/00; H01M4/1397; C01B25/45; | Method for preparing spheroidal LiFePO ₄ microlites |
| CN102502761 A 20120620 | CN20111374944; | UNIV SHAANXI; | C01F17/00; B82Y40/00; | Method for preparing square tablet assembled spherical lanthanumsulfide microcrystals by microwave hydrothermal method |
| CN102303910 A 20120104 | CN20111209944; | UNIV SHAANXI; | C01G45/02; B82Y40/00; | Method for preparing uniform-spherical trimanganese tetroxide |
| CN102502827 A 20120620 | CN20111375341; | UNIV SHAANXI; | B82Y40/00; C01G31/02; | Method for preparing V ₂ O ₅ nano-powders |
| CN102502776 A 20120620 | CN20111375840; | UNIV SHAANXI; | B82Y40/00; C01G3/12; | Microwave-hydrothermal Cu _{1.8} S nanowire preparation method |
| CN102502888 A 20120620 | CN20111375802; | UNIV SHAANXI; | B82Y40/00; C01G51/00; | Microwave-hydrothermal preparation method for cobalt sulfide nanometercrystals |
| CN102502764 A 20120620 | CN20111374907; | UNIV SHAANXI; | C01G3/00; B82Y40/00; | Microwave hydrothermal preparation method for combination of collosoland gelatin of lanthanum cuprate nanocrystalline |
| CN102390859 A 20120328 | CN20111375930; | UNIV SHAANXI; | B82Y40/00; C01F17/00; | Phonochemical method for preparing rod-shaped lanthanum sulphidemicrocrystal |
| CN102351513 A 20120215 | CN20111187090; | UNIV SHAANXI; | B82Y40/00; C04B33/20; | Preparation method for bismuth silicate powder for utilization ofoptical performance |
| CN102424415 A 20120425 | CN20111271782; | UNIV SHAANXI; | C01F11/18; B82Y40/00; | Preparation method for needle cluster-like micrometer-scale calciumcarbonate |
| CN102502828 A 20120620 | CN20111375889; | UNIV SHAANXI; | C01G31/02; B82Y40/00; | Preparation method for V ₂ O ₅ nanometer crystals |
| CN102351202 A 20120215 | CN20111186911; | UNIV SHAANXI; | C01B33/20; B82Y40/00; | Preparation method of bismuth silicate powder |
| CN102515285 A 20120627 | CN20111374913; | UNIV SHAANXI; | B82Y40/00; C01G51/00; | Preparation method of cobalt sulfide nanocrystalline |
| CN102502826 A 20120620 | CN20111374941; | UNIV SHAANXI; | B82Y40/00; C01G31/02; | Preparation method of oriented growth V ₂ O ₅ nanocrystal |
| CN102502793 A 20120620 | CN20111375888; | UNIV SHAANXI; | B82Y40/00; C01G19/00; | Preparation method of rod-shaped SnS nanocrystals |

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|---------------------------|----------------|----------------------------|---|---|
| CN102502792 A 20120620 | CN20111375887; | UNIV SHAANXI; | C01G19/00; B82Y40/00; | Preparation method of spherical SnS nanometer crystals |
| CN102502676 A 20120620 | CN20111375699; | UNIV SHAANXI; | C01B33/20; B82Y40/00; | Preparation method of zirconium silicate nanometer powder body |
| CN102502675 A 20120620 | CN20111375696; | UNIV SHAANXI; | B82Y40/00; C01B33/20; | Spherical zirconium silicate nanometer crystal preparation method |
| CN102390828 A 20120328 | CN20111219856; | UNIV SHANDONG; | B82Y40/00; C01B31/02; | Method for preparing highly-graphitized hollow carbon nanocapsules by using low-temperature reaction |
| CN102431986 A 20120502 | CN20111299413; | UNIV SHANDONG; | C01B25/32; B82Y40/00; | Method for preparing hydroxyapatite nano fiber |
| CN102344170 A 20120208 | CN20111249500; | UNIV SHANDONG; | B82Y30/00; H01F1/44; B82Y40/00; C01G49/08; | Method for preparing water-based Fe ₃ O ₄ magnetic fluid by using polyamide-amine dendrimer as template |
| CN102435593 A 20120502 | CN20111273784; | UNIV SHANDONG; | B22F9/24; B82Y40/00; G01N21/65; | Preparation method for surface enhanced Raman scattering substrate based on cationic resin |
| CN102507681 A 20120620 | CN20111323816; | UNIV SHANDONG; | G01N27/327; G01N27/30; B82Y15/00; B82Y30/00; | Surface functional double-heterostructural material for titanium dioxide nanobelt and application thereof |
| CN102491400 A 20120613 | CN20111358771; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01F17/00; | Amino-functional water-soluble gadolinium oxide nanometer sheet and preparation method and application thereof |
| CN102515282 A 20120627 | CN20111406913; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01G49/08; | Biological template based preparation method for magnetic photonic crystals |
| CN102502578 A 20120620 | CN20111330081; | UNIV SHANGHAI JIAOTONG; | C01B31/02; B82Y40/00; | Chemical vapor synthesis method for growing carbon nanotubes in mode of being attached to wall of pore channel of template |
| CN102502590 A 20120620 | CN20111355619; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01B31/02; | Device for preparing multi-walled carbon nanotubes based on arc discharge method |
| CN102502583 A 20120620 | CN20111339551; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01B31/02; | Direct-current arc discharge method for producing carbon nanotubes |

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| CN102522470 A 20120627 | CN20111430987; | UNIV SHANGHAI JIAOTONG; | H01L33/00; B82Y30/00; H01L33/06; B82Y20/00; B82Y40/00; | Electric control structure and electric control method for implementation of surface plasmon polariton photon modulation |
| CN102515244 A 20120627 | CN20111386862; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01G3/02; | Hollow cuprous oxide nanometre material and preparation method for same |
| CN102411051 A 20120411 | CN20111219714; | UNIV SHANGHAI JIAOTONG; | B82Y25/00; C07K14/765; G01N33/543; B82Y40/00; H01F1/11; G01N33/52; C07K16/44; | Immunodetection method of organophosphorus pesticide multi-residue |
| CN102336442 A 20120201 | CN20111180532; | UNIV SHANGHAI JIAOTONG; | H01G9/042; C01G45/12; B82Y40/00; | K0.125MnO2 nanowire and preparation method thereof |
| CN102502576 A 20120620 | CN20111326246; | UNIV SHANGHAI JIAOTONG; | C01B31/02; B82Y40/00; | Method for growing multi-walled carbon nanotubes in low pressure air by electric arc discharge method |
| CN102502571 A 20120620 | CN20111306815; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01B31/02; | Method for manufacturing single-walled carbon nanotube aligned film by magnetically induced arc discharge |
| CN102392270 A 20120328 | CN20111344207; | UNIV SHANGHAI JIAOTONG; | C30B29/02; C25C1/08; C30B29/66; C30B30/02; B82Y30/00; B82Y40/00; | Method for preparing dendritic Ni nanocrystalline |
| CN102502849 A 20120620 | CN20111338978; | UNIV SHANGHAI JIAOTONG; | C01G45/02; B82Y40/00; | Method for preparing Mn3O4 and composite nano material thereof by using manganous salt as raw material |
| CN102491289 A 20120613 | CN20111409990; | UNIV SHANGHAI JIAOTONG; | C01B21/06; B82Y40/00; | Method for preparing nanoscale magnesium nitride powder |
| CN102503394 A 20120620 | CN20111338981; | UNIV SHANGHAI JIAOTONG; | C04B35/626; B82Y30/00; C04B35/26; B82Y40/00; | Method for preparing series ferrite nano material with Fe ²⁺ (ferrous) salt serving as iron source |
| CN102408124 A 20120411 | CN20111272188; | UNIV SHANGHAI JIAOTONG; | C01G9/02; B82Y40/00; | Method for preparing zinc oxide nanometer sheet based on zinc oxide nanometer rod array |
| CN102515142 A 20120627 | CN20111428517; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01B31/02; | Method for purification of low-purity single-wall carbon nano-tubes |

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|---------------------------|----------------|----------------------------|--|--|
| CN102432060 A 20120502 | CN20111301110; | UNIV SHANGHAI JIAOTONG; | C01G9/03; B82Y40/00; | Method for quickly preparing zinc oxide nanobelt under air atmosphere |
| CN102351171 A 20120215 | CN20111274208; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01B31/02; | Method for selectively preparing single-walled carbon nanotube inmagnetic field |
| CN102432012 A 20120502 | CN20111298578; | UNIV SHANGHAI JIAOTONG; | C01B31/36; B82Y40/00; | Method for synthesizing silicon carbide nanometer needle withoutcatalysts |
| CN102320664 A 20120118 | CN20111298625; | UNIV SHANGHAI JIAOTONG; | C01G45/02; B82Y30/00; B82Y40/00; | Preparation method for amino-functionalized water-soluble magneticmanganomanganic oxide nanoparticles |
| CN102515215 A 20120627 | CN20111301175; | UNIV SHANGHAI JIAOTONG; | C01F7/02; B82Y40/00; | Preparation method for wormhole-like mesoporous gamma-Al2O3 withnarrow pore size distribution |
| CN102442703 A 20120509 | CN20111298622; | UNIV SHANGHAI JIAOTONG; | C01G49/00; B82Y40/00; | Preparation method of amino functionalized water-soluble manganeseferrate magnetic nanometer particles |
| CN102517548 A 20120627 | CN20111449836; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C23C14/18; C23C14/24; C23C14/06; | Preparation method of Au/Ge fractal nano films with nonlinear electricproperty |
| CN102502867 A 20120620 | CN20111307787; | UNIV SHANGHAI JIAOTONG; | B82Y30/00; B82Y40/00; C01G49/06; | Preparation method of F-doped gamma-ferric oxide hollow microsphereswith adjustable bandwidth |
| CN102336404 A 20120201 | CN20111202165; | UNIV SHANGHAI JIAOTONG; | C01B31/04; B82Y40/00; | Preparation method of graphene oxide quantum dot based onphotocatalytic oxidation |
| CN102394294 A 20120328 | CN20111386780; | UNIV SHANGHAI JIAOTONG; | H01M4/52; B82Y40/00; | Preparation method of highly graphitized activated carbon-transitionmetal oxide nanocomposite material |
| CN102502595 A 20120620 | CN20111312218; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01B31/04; | Preparation method of isotropic graphite |
| CN102432063 A 20120502 | CN20111272598; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01G23/053; | Preparation method of neutral nano titanium dioxide hydrosol forfunctional fabric |

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|---------------------------|----------------|---------------------------------|--|--|
| CN102502893 A 20120620 | CN20111344055; | UNIV SHANGHAI JIAOTONG; | C01G53/04; B82Y40/00; | Preparation method of NiO nanowire and magnetic field thermal treatment device |
| CN102496677 A 20120613 | CN20111379452; | UNIV SHANGHAI JIAOTONG; | H01L35/24; H01L35/34; B82Y40/00; H01L35/14; B82Y30/00; | Preparation method of poly(p-phenylene) nanoparticle composite ZnO-based thermoelectric material system |
| CN102491407 A 20120613 | CN20111358326; | UNIV SHANGHAI JIAOTONG; | C01G19/02; B82Y40/00; | Preparation method of tin dioxide nano material with controllable morphology |
| CN102431990 A 20120502 | CN20111281841; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01B31/02; C09K11/65; | Preparation method of water-soluble fluorescence carbon nanodisk |
| CN102328925 A 20120125 | CN20111257830; | UNIV SHANGHAI JIAOTONG; | C01B31/02; B82Y40/00; | Preparation process for high-density carbon nanotube bundle |
| CN102376868 A 20120314 | CN20111379685; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; H01L35/34; | Preparing method for conductive polymer nanoparticle composite TiO ₂ -based thermoelectric material |
| CN102328960 A 20120125 | CN20111257684; | UNIV SHANGHAI JIAOTONG; | C01G45/02; B82Y40/00; | Synthesis method of trimanganese tetroxide material with 3D(three-dimensional) flower-shaped structure |
| CN102417175 A 20120418 | CN20111257809; | UNIV SHANGHAI JIAOTONG; | B82Y40/00; C01B31/02; | Transfer method of carbon nano tube bundle at room temperature |
| CN102328950 A 20120125 | CN20111175066; | UNIV SHANXI; | C01G9/02; B82Y40/00; | Zinc oxide nano rod with high-efficiency photocatalytic activity and preparation method thereof |
| CN102381729 A 20120321 | CN20111211273; | UNIV SHAOXING; | B82Y40/00; C01G49/06; | Preparation method of spherical ferrous oxide |
| CN102502573 A 20120620 | CN20111318240; | UNIV SHENYANG CHEMICAL TECH; | B82Y40/00; C01B31/02; | Carbon-base nanotube coaxial heterojunction and assembling technique thereof by template method |
| CN102370995 A 20120314 | CN20111319558; | UNIV SHENYANG CHEMICAL TECH; | A61K49/18; B01J13/02; B82Y5/00; B82Y40/00; | Contrast agent nanocapsule with whole-sealing hollow structure and template-method assembling technology |
| CN102515245 A 20120627 | CN20111380858; | UNIV SHENYANG CHEMICAL TECH; | B82Y40/00; C01G9/02; | Method for controllably synthesizing nano zinc oxide based on solvent heat |

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|-----------------------------|-------------------|---------------------------------|---|--|
| CN102491290 A 20120613 | CN20111411734; | UNIV SHENYANG CHEMICAL TECH; | C01B21/06; B82Y40/00; | Method for preparing copper nitride powder |
| CN102502816 A 20120620 | CN20111331141; | UNIV SHENYANG CHEMICAL TECH; | C01G25/00; B82Y40/00; | Method for preparing Gd ₂ Zr ₂₀ 7 nano-powder through coprecipitation |
| CN102502817 A 20120620 | CN20111331147; | UNIV SHENYANG CHEMICAL TECH; | C01G25/00; B82Y40/00; | Method for preparing Gd ₂ Zr ₂₀ 7 nano-powder sol with sol-gel method |
| CN102491351 A 20120613 | CN20111412130; | UNIV SHENYANG CHEMICAL TECH; | C01B33/12; B82Y40/00; | Method for preparing white carbon black through natural clinoptilolite |
| CN102515229 A 20120627 | CN20111408487; | UNIV SHENYANG CHEMICAL TECH; | B01J32/00; B01J21/04; C01F7/30; B01J35/10; B82Y40/00; | Preparation method for activated alumina with large pore volume and high specific surface area |

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|-----------------------------|-----------------------------------|------------------------------------|--|--|
| CN102515120 A 20120627 | CN20111397894; | UNIV SHENYANG CHEMICAL TECH; | C01B21/064; B82Y40/00; | Preparation method of hollow hexagonal boron nitride microsphere |
| CN102351246 A 20120215 | CN20111186987; | UNIV SHENZHEN; | B82Y40/00; C01G33/00; | Claviform or one dimensional NaNbO3 crystal and preparation method thereof |
| CN102517018 A 20120627 | CN20111357490; | UNIV SHENZHEN; | B82Y40/00; C09K11/81; B82Y30/00; | Preparation method of nanowires of lanthanum phosphate activated by cerium and terbium |
| CN102335749 A 20120201 | CN20111194670; | UNIV SICHUAN; | B82Y30/00; B22F9/14; B82Y40/00; | Device for preparing metal micro-nano hollow sphere powder |
| CN102515276 A 20120627 | CN20111451612; | UNIV SICHUAN; | B82Y40/00; C01G45/02; | Method for preparing manganese dioxide nanoparticles with bovine serum albumin as template |
| EP2460868 A2 20120606 | EP20070701162;US20 060756557P; | UNIV SINGAPORE; | C01F5/28; C01D3/02; C01D17/00; C01F15/00; C09K11/85; C01F11/22; C01F17/00; C01D3/22; C01F1/00; | Method of preparing nano-structured material(s) and uses thereof |
| US2012100364 A1 20120426 | KR20090030647;WO2 010KR02181; | UNIV SOGANG IND UNIV COOP FOUN; | B32B37/12; B05D1/12; B32B38/00; B05D1/36; B32B38/14; B32B5/16; | METHOD FOR ARRANGING FINE PARTICLES ON SUBSTRATE BY PHYSICAL PRESSURE |
| KR20120009484 A 20120131 | KR20090030647; | UNIV SOGANG IND UNIV COOP FOUN; | H01L21/20; | METHOD FOR ARRANGING FINE PARTICLES ON SUBSTRATE BY PHYSICAL PRESSURE |
| EP2418170 A2 20120215 | KR20090030647;WO2 010KR02181; | UNIV SOGANG IND UNIV COOP FOUN; | B82B3/00; | METHOD FOR ARRANGING FINE PARTICLES ON SUBSTRATE BY PHYSICAL PRESSURE |
| US2012114920 A1 20120510 | KR20090030647;WO2 010KR02180; | UNIV SOGANG IND UNIV COOP FOUN; | B05D3/06; B05D5/00; B32B3/00; B05D1/12; | METHOD FOR MANUFACTURING PRINTED PRODUCT BY ALIGNING AND PRINTING FINEPARTICLES |
| KR20120022876 A 20120312 | KR20090030647; | UNIV SOGANG IND UNIV COOP FOUN; | B82B3/00; B41J2/22; B41M5/03; | METHOD FOR MANUFACTURING PRINTED PRODUCT BY ALIGNING AND PRINTING FINEPARTICLES |
| EP2418169 A2 20120215 | KR20090030647;WO2 010KR02180; | UNIV SOGANG IND UNIV COOP FOUN; | B82B3/00; | METHOD FOR MANUFACTURING PRINTED PRODUCT BY ALIGNING AND PRINTING FINEPARTICLES |

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| CN102442699 A 20120509 | CN20111296077; | UNIV SOOCHOW; | C01G25/02; B82Y40/00; | Method for preparing nano zirconium oxide |
| CN102491298 A 20120613 | CN20111358490; | UNIV SOOCHOW; | C01B25/32; B82Y40/00; | Preparation method for linear nanometre hydroxylapatite |
| CN102491299 A 20120613 | CN20111359581; | UNIV SOOCHOW; | B82Y40/00; C01B25/32; | Preparation method of nano hydroxyapatite |
| CN102502660 A 20120620 | CN20111317176; | UNIV SOOCHOW; | B82Y40/00; C01B33/12; | Spiral mesoporous silicon dioxide nanofiber with cracked surface and preparation method thereof |
| US2012094017 A1 20120419 | US20100455366P;US 201113276774; | UNIV SOUTH CAROLINA; | B05D3/10; B05D5/00; | Patterned Nanoparticle Assembly Methodology |
| CN102337569 A 20120201 | CN20111277771; | UNIV SOUTH CHINA TECH; | B82Y30/00; C25D21/10; C25D3/56; C25D5/18; B82Y40/00; | Cobalt-tungsten nanometer alloy plating layer and preparation method thereof |
| CN102351249 A 20120215 | CN20111204454; | UNIV SOUTH CHINA TECH; | B82Y40/00; C01G39/02; | Method for preparing molybdenum trioxide in nanometer structure |
| AU2010300362 A1 20120426 | US20090248178P;WO 2010US51237; | UNIV SOUTH DAKOTA; | H01L31/0224; H01L31/042; | Semiconductor nanoparticle/nanofiber composite electrodes |
| CN102445480 A 20120509 | CN20111285898; | UNIV SOUTHEAST; | B82Y15/00; B82Y40/00; G01N27/30; | Method for preparing nano-gap electrodes on surface of nano-pore and in nano-pore |
| CN102384934 A 20120321 | CN20111285323; | UNIV SOUTHEAST; | B82Y40/00; G01N27/327; | Method for preparing nano gap electrode on surface of nanopore |
| CN102515088 A 20120627 | CN20111408015; | UNIV SOUTHEAST; | B82Y30/00; B81C1/00; B82Y40/00; | Method for preparing silicon-iron silicide composite nano wire |
| CN102502611 A 20120620 | CN20111360640; | UNIV SOUTHEAST; | C01B31/04; B82Y40/00; | Method for rapidly preparing graphene in large quantities by utilizing graphite oxides |
| CN102515251 A 20120627 | CN20111443761; | UNIV SOUTHEAST; | B82Y40/00; C01G9/02; | Preparation method of dodecagonal zinc oxide micron rod |
| CN102390872 A 20120328 | CN20111226606; | UNIV SOUTHEAST; | C01G49/08; B82Y40/00; | Preparation method of micrometer-scale cubic ultradispersed ferroferric oxide particles |
| CN102324309 A 20120118 | CN20111180572; | UNIV SOUTHEAST; | B82Y40/00; H01M14/00; H01G9/048; H01G9/04; H01L51/44; B82Y30/00; H01G9/20; | Zinc oxide composite nano structure for dye sensitized solar cell photoanode and preparation method of zinc oxide composite nano structure |

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| US2012115965 A1 20120510 | US20070850501;US20070945501P;US20100941773;US201213354042; | UNIV SOUTHERN CALIFORNIA; | C07C29/151; C07C29/157; | CONVERSION OF CARBON DIOXIDE TO METHANOL USING BI-REFORMING OF METHANEOR NATURAL GAS |
| JP2012055886 A 20120322 | US20060837274P;US20070780244; | UNIV SOUTHERN CALIFORNIA; | B01J20/22; C01B31/20; C07C29/149; C01B33/18; B01J20/34; C07C211/14; C07C31/04; C08L79/02; B01D53/14; C08K3/36; | NANO-STRUCTURE SUPPORTED SOLID REGENERATIVE POLYAMINE AND POLYOLABSORBENT FOR SEPARATION OF CARBON DIOXIDE FROM GAS MIXTURE INCLUDING AIR |
| CN102442658 A 20120509 | CN20111303081; | UNIV SOUTHWEST PETROLEUM; | B82Y40/00; C01G49/08; B82Y30/00; C01B31/02; | Preparation method for magnetic carbon-coated ferroferric oxidenano-composite material |
| CN102515255 A 20120627 | CN20121004404; | UNIV SOUTHWEST; | B82Y40/00; C01G9/08; | Method for preparing zinc sulfide nanospheres |
| EP2467222 A1 20120627 | GB20090014390;WO2010GB01555; | UNIV ST ANDREWS; | B22F1/00; B22F9/24; C30B29/60; | PREPARATION OF FePt AND CoPt NANOPARTICLES |
| US2012034550 A1 20120209 | US20090171255P;US201013265495;WO2010US31749; | UNIV ST LOUIS; | C30B19/00; B32B15/01; H01M4/92; | Palladium-Platinum Nanostructures And Methods For Their Preparation |
| US2012152480 A1 20120621 | US201061424218P;US201113327076; | UNIV STATE CLEVELAND; | B22D27/09; B22D19/14; | NANO-ENGINEERED ULTRA-CONDUCTIVE NANOCOMPOSITE COPPER WIRE |
| US2012156582 A1 20120621 | GB20090008910;WO2010GB01031; | UNIV STRATHCLYDE; | H01M8/24; H01M8/04; H01M8/22; H01M8/10; H01M4/90; | FUEL CELL |
| EP2433327 A1 20120328 | GB20090008910;WO2010GB01031; | UNIV STRATHCLYDE; | H01M8/10; H01M4/90; H01M8/22; | FUEL CELL |
| CN202175552U U 20120328 | CN20102685123U; | UNIV SUN YAT SEN; | B82B3/00; B82Y40/00; | Device capable of adjusting semi-diameter of micro-nano ring |
| CN102386329 A 20120321 | CN20111360858; | UNIV SUN YAT SEN; | H01L51/00; H01J9/02; B82Y40/00; | Manufacturing method of flexible electronic device |

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| US2012138458 A1 20120607 | KR20090067026;KR20100071127;WO2010KR04822; | UNIV SUNGKYUNKWAN; | G01N27/414; H01L21/335; H01L29/22; H01L29/772; | CELL-BASED TRANSPARENT SENSOR CAPABLE OF REAL-TIME OPTICAL OBSERVATION OF CELL BEHAVIOR, METHOD FOR MANUFACTURING THE SAME AND MULTI-DETECTION SENSOR CHIP USING THE SAME |
| US2012128573 A1 20120524 | KR20100115542; | UNIV SUNGKYUNKWAN; | C01B31/02; D01F9/12; | METHOD FOR FABRICATING THREE DIMENSIONAL GRAPHENE STRUCTURES USING CATALYST TEMPLATES |
| KR20120054256 A 20120530 | KR20100115542; | UNIV SUNGKYUNKWAN; | C01B31/02; C23C16/46; B82B3/00; | METHOD FOR FABRICATING THREE DIMENSIONAL GRAPHENE STRUCTURES USING CATALYST TEMPLATES |
| KR20120012271 A 20120209 | KR20100074323; | UNIV SUNGKYUNKWAN; | C23C16/26; C01B31/02; C23C16/513; H01L31/04; | PREPARING METHOD OF GRAPHENE, GRAPHENE SHEET AND DEVICE USING THE SAME |
| EP2401124 A1 20120104 | GB20090003297;WO2010GB00343; | UNIV SURREY; | C08K3/04; C08F2/46; C08F220/00; C08J3/28; B29C35/08; | A METHOD OF MAKING A HARD LATEX AND A HARD LATEX |
| US2012046379 A1 20120223 | GB20090003297;WO2010GB00343; | UNIV SURREY; | C08K5/3467; C08K5/3415; C08K5/3417; C08L81/02; C08L31/04; C08K3/22; C08J3/28; C08K3/36; C08K3/04; C08L33/12; C08L79/04; C08K5/08; C08L25/14; C08L21/02; | METHOD OF MAKING A HARD LATEX AND A HARD LATEX |
| CN102361736 A 20120222 | GB20090003297;WO2010GB00343; | UNIV SURREY; | C08J3/28; C08F220/00; B29C35/08; C08K3/04; C08F2/46; | Method of making hard latex and hard latex |
| CN102304300 A 20120104 | AU20060901730; | UNIV SYDNEY; | C09C1/24; C09C1/36; C09C3/10; | Polymer product and interfacial polymerisation process using raft agent |
| US2012103789 A1 20120503 | US20100407490P;US201113284385; | UNIV SYRACUSE; | B01J19/12; | Greener Synthesis of Nanoparticles Using Fine Tuned Hydrothermal Routes |

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| US2012114962 A1 20120510 | US20100411135P;US 201113291376; | UNIV SYRACUSE; | B32B15/01; B22F9/16; | SYSTEM AND METHOD FOR SYNTHESIZING CORE/ALLOY NANOSTRUCTURES |
| CN102380412 A 20120321 | CN20111261022; | UNIV TAIYUAN TECHNOLOGY; | B01D53/56; B01J29/46; B01D53/94; B01J29/40; B01J35/02; B01J29/48; B82Y40/00; | Method for preparing MFI catalyst carrying transition elements and MFI catalyst application |
| CN102442694 A 20120509 | CN20111311012; | UNIV TAIYUAN TECHNOLOGY; | B82Y40/00; C01G9/02; | Preparation method of nanometer ZnO full sphere |
| RO127186 A2 20120330 | RO20100000826; | UNIV TEHNICA GHEORGHE ASACHI DIN IASI; | C01G11/00; B82Y40/00; | PROCESS FOR PREPARING FLUORESCENT CADMIUM SELENIDE NANOCRYSTALS TO BE EMPLOYED IN OPTOELECTRONICS |
| US2012100203 A1 20120426 | US20090181601P;US 201013322880;WO20 10US36378; | UNIV TEXAS; | B01J21/06; H01L39/02; B01J37/02; H01L39/24; C01B13/02; C12N5/07; B01J35/06; A61K9/70; B05D5/12; D02G3/00; H01B1/00; | Fabrication of Biscrolled Fiber Using Carbon Nanotube Sheet |
| CN102449823 A 20120509 | US20090182024P;WO 2010US36469; | UNIV TEXAS; | H01M4/38; H01M10/0525; B82B3/00; H01M4/583; H01M4/48; | Novel composite anode materials for lithium ion batteries |
| EP2436070 A2 20120404 | US20090182024P;WO 2010US36469; | UNIV TEXAS; | H01M4/583; H01M4/38; B82B3/00; H01M4/48; H01M10/0525; | NOVEL COMPOSITE ANODE MATERIALS FOR LITHIUM ION BATTERIES |
| US2012045396 A1 20120223 | WO2009US00239; | UNIV TEXAS; | C08G65/00; A61K49/00; C07F7/10; A61K47/24; A61M5/00; | POROUS STRUCTURES WITH MODIFIED BIODEGRADATION KINETICS |
| US2012133078 A1 20120531 | US19990266663;US20 010908765;US200408 06051;US2004097828 5;US20050062420;US 201213364101; | UNIV TEXAS; | C01B33/04; H01L21/30; C07F7/18; H01L21/027; G03F7/00; G03F7/038; B81C1/00; H01L21/302; C07F7/08; B29C39/20; H01L21/3065; C08G77/00; B29C31/00; | Step and Flash Imprint Lithography |

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| EP2446494 A1 20120502 | WO2010B51372;ZA20 090004250; | UNIV THE WESTERN CAPE; | C25B11/04; H01M4/96; H01M8/10; H01M4/88; H01M4/92; | SUPPORTED CATALYSTS |
| CN102491404 A 20120613 | CN20111428019; | UNIV TIANJIN; | C01G3/02; B82Y40/00; | Copper oxide micro-nano composite structural material and preparation method thereof |
| CN102489314 A 20120613 | CN20111404210; | UNIV TIANJIN; | H01M8/02; B01J23/89; H01M4/86; B82Y40/00; B82Y30/00; | Graphene-loaded double-metal nano particles for methanol and ethanol fuel cells, and preparation method for graphene-loaded double-metal nano particles |
| CN102390862 A 20120328 | CN20111232255; | UNIV TIANJIN; | C01G9/02; B82Y40/00; | Liquid-phase precipitation preparation method of zinc oxide porous hollow balls |
| CN102442661 A 20120509 | CN20111315701; | UNIV TIANJIN; | B82Y40/00; C01B31/02; | Liquid-phase purification method of carbon nanotube |
| CN102502586 A 20120620 | CN20111348864; | UNIV TIANJIN; | C01B31/02; B82Y40/00; | Method for directly growing amorphous carbon nano tube on iron-based amorphous powder |
| CN102320591 A 20120118 | CN20111168334; | UNIV TIANJIN; | C01B31/02; B82Y40/00; | Method for directly growing mesh carbon nanotubes on copper substrate |
| CN102320590 A 20120118 | CN20111168317; | UNIV TIANJIN; | D01F9/127; | Method for directly growing single and double-spiral nano carbon fibers on copper matrix |
| CN102351164 A 20120215 | CN20111168331; | UNIV TIANJIN; | B82Y40/00; C01B31/02; | Method for directly growing vertical nano carbon fiber arrays on copper matrix |
| CN102424378 A 20120425 | CN20111276298; | UNIV TIANJIN; | C01B31/02; A61L27/02; A61L33/02; B82Y40/00; | Multi-walled carbon nano-tubes prepared by low energy nitrogen ion beam bombardment, preparation method, and application thereof |
| CN102380133 A 20120321 | CN20111320500; | UNIV TIANJIN; | B82Y40/00; A61L33/02; B82Y30/00; | Multi-walled carbon nanotube injected with carboxyl ions, preparation method and application thereof |
| CN102320648 A 20120118 | CN20111232253; | UNIV TIANJIN; | B82Y40/00; C01G9/02; B82Y30/00; | Preparation method and application of lanthanum ion-doped zinc oxide porous hollow sphere |
| CN102320656 A 20120118 | CN20111150180; | UNIV TIANJIN; | B82Y40/00; C01G25/00; | Preparation method for perovskite type composite oxide hollow nanomaterial |

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| CN102330069 A 20120125 | CN20111315452; | UNIV TIANJIN; | B82Y40/00; C23C16/44; C01B31/02; C23C16/26; | Preparation method of carbon nano tube |
| CN102320597 A 20120118 | CN20111198709; | UNIV TIANJIN; | B82Y40/00; C01B31/04; | Preparation method of graphene |
| CN102417176 A 20120418 | CN20111261623; | UNIV TIANJIN; | B82Y40/00; C01B31/02; C01B31/04; | Preparation method of graphene-carbon nanotube compound film based on three-dimensional network appearance |
| CN102324505 A 20120118 | CN20111211177; | UNIV TIANJIN; | H01M4/38; B82Y40/00; H01M4/24; | Preparation method of graphene loaded with anatase type nano titanium dioxide and application thereof |
| US2012064346 A1 20120315 | JP20090117877; JP20 090123322; WO2010J P58494; | UNIV TOKYO; | B32B5/16; C08G69/48; C08J3/12; C08G73/04; | FINE PARTICLES OF CRYSTALLINE POLYOL, AND METHOD OF PREPARING SAME |
| CN102320599 A 20120118 | CN20111218666; | UNIV TONGJI; | C01B31/04; B82Y30/00; B82Y40/00; | Method for functionalizing polymer on surface of nano graphene oxide |
| CN102389784 A 20120328 | CN20111279274; | UNIV TONGJI; | C02F1/32; B82Y40/00; B01J35/02; B01J21/06; | Method for preparing nano high-efficiency TiO ₂ -ZrO ₂ composite photocatalyst |
| CN102464350 A 20120523 | CN20101544894; | UNIV TONGJI; | C01G19/02; B82Y40/00; C01G15/00; | Method for synthesizing netty nanometer metal oxide by eggshell inner membrane as template |
| CN102354729 A 20120215 | CN20111306751; | UNIV TONGJI; | B82Y10/00; B82Y30/00; B32B9/00; B82Y40/00; H01L45/00; | Nanometer multi-layer composite phase-change film material for multilevel storage phase-change memory, as well as preparation and application thereof |
| CN102513070 A 20120627 | CN20111407318; | UNIV TONGJI; | B01J20/28; B82Y40/00; C02F1/58; B01J20/30; B82Y30/00; C02F1/28; | Preparation method of magnetic composite nanomaterial, product prepared by the method, and application thereof |
| US2012133029 A1 20120531 | FR20090002339; WO2 010FR50936; | UNIV TROYES TECHNOLOGIE; | H01L29/06; H01L21/20; | METHOD OF NANOSTRUCTURING A FILM OR A WAFER OF MATERIAL OF THE METAL OXIDE OR SEMI-CONDUCTOR TYPE |
| US2012121870 A1 20120517 | FR20100058263; | UNIV TROYES TECHNOLOGIE; | B32B9/04; B32B3/10; B32B15/02; B32B15/04; C23C16/04; | Multilayer structure comprising a precious metal stuck onto a dielectric substrate, and an associated method and use |

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| FR2964469 A1 20120309 | FR20100057129; | UNIV TROYES TECHNOLOGIE; | B82Y10/00; G01N21/01; G01N33/48; G02B1/10; | SUBSTRAT REVETU DE NANOPARTICULES, ET SON UTILISATION POUR LADETECTION DE MOLECULES ISOLEES. |
| CN102502580 A 20120620 | CN20111332274; | UNIV TSINGHUA; | B82Y40/00; C01B31/02; | Carbon nano tube array and preparation method thereof as well as application of carbon nano tube array in preparation of super capacitor |
| CN102502589 A 20120620 | CN20111353754; | UNIV TSINGHUA; | B82Y40/00; C01B31/02; | Device and method for continuously preparing high-purity single/double-wall carbon nano tubes |
| CN102515140 A 20120627 | CN20111388524; | UNIV TSINGHUA; | C01B31/02; B82Y40/00; B01J35/10; | Method for large-scale preparation for nitrogen- doped carbon nanotube aligned array |
| CN102522543 A 20120627 | CN20111421226; | UNIV TSINGHUA; | B82Y30/00; B82Y40/00; H01M4/58; | Method for preparing nanometer compound of tin disulfide-graphene |
| CN102344115 A 20120208 | CN20111295705; | UNIV TSINGHUA; | H01L21/60; B82Y40/00; B81C3/00; B82B3/00; H01L21/56; | Micronscale/nanoscale connection method based on dip-pen principle |
| CN102408102 A 20120411 | CN20111241822; | UNIV TSINGHUA; | C01B25/37; B82Y40/00; | Preparation method of nanometer iron phosphate |
| US2012068126 A1 20120322 | US20090145925P;US 201013142191;WO20 10US21461; | UNIV UTAH RES FOUND; | C07F3/08; C07F3/10; C07F3/06; H01B1/12; C07F7/24; | POST-SYTHESIS MODIFICATION OF COLLOIDAL NANOCRYSTALS |
| US2012132891 A1 20120531 | US20100364223P;US 201113183243; | UNIV UTAH RES FOUND; | H01L21/20; H01L31/0352; H01L29/66; | PRECISION QUANTUM DOT CLUSTERS |
| ES2374479 A1 20120217 | ES20100001071; | UNIV VALENCIA; | B82Y30/00; C01F7/32; | PROCEDIMIENTO DE OBTENCION DE CORINDON NANOCRISTALINO A PARTIR DE ALUMBRES NATURALES O SINTETICOS. |
| US2012125156 A1 20120524 | US20060764541P;US 20070701974;US2012 13367217; | UNIV WASHINGTON; | B22F9/24; | METHODS FOR PRODUCTION OF SILVER NANOSTRUCTURES |
| US2012107246 A1 20120503 | US20050725913P;US 20060548148;US2010 0819061; | UNIV WASHINGTON; | A61P35/00; A61K49/10; C07F15/02; | METHOTREXATE-MODIFIED NANOPARTICLES AND RELATED METHODS |
| CN102515256 A 20120627 | CN20111388491; | UNIV WENZHOU; | C01G15/00; B82Y40/00; | Preparation for Cu-In-Zn-S nanocrystals capable of emitting red light and with wurtzite structure |

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| US2012010314 A1 20120112 | US20090193918P;US 201013143781;WO20 10CA00009; | UNIV WESTERN ONTARIO; | C09D175/04; C08L75/04; C08G18/76; | SELF-CLEANING COATINGS |
| CN102491333 A 20120613 | CN20111404099; | UNIV WUHAN SCIENCE & ENG; | C01B31/36; B82Y40/00; | Silicon carbide powder and preparation method thereof |
| CN102328919 A 20120125 | CN20111187436; | UNIV WUHAN TECH; | C01B21/068; B82Y40/00; | Preparation method for scale-controllable silicon nitride nano wireshort-wavelength light emitting material |
| CN102515273 A 20120627 | CN20111379050; | UNIV WUHAN TECH; | A61K6/08; C01G25/02; B82Y40/00; B82Y30/00; A61K6/02; | Preparation method of surface functionalized zirconia nano particlefor dental repair resin |
| CN102412400 A 20120411 | CN20111296002; | UNIV WUHAN TECH; | H01M4/60; B82Y40/00; | Silver vanadium oxide / polymer three coaxial nanowire and preparationmethod and application thereof |
| CN102350337 A 20120215 | CN20111218787; | UNIV WUHAN; | B01J20/30; B82Y40/00; B01J23/06; B01J37/02; C02F1/30; C02F1/28; B01J20/20; | Method for preparing ZnO/rectorite/carbon nano tube composite material |
| CN102515270 A 20120627 | CN20111414153; | UNIV WUHAN; | B82Y40/00; B01J21/06; C01G23/053; | Preparation method of mixed crystal-type nanoscale TiO2 having exposed(001) crystal faces |
| CN102502664 A 20120620 | CN20111355927; | UNIV WUHAN; | B82Y40/00; C01B33/12; | Synthetic method of SiO2 nano fibrous bundle array |
| CN102351182 A 20120215 | CN20111188666; | UNIV XI AN ARCHITECTURE & TECH; | B82Y40/00; C01B31/36; | Preparation method of ultra-long silicon carbide nano-wires |
| CN102409309 A 20120411 | CN20111340169; | UNIV XI AN JIAOTONG; | B82Y40/00; B82Y30/00; C23C14/35; C23C14/16; | Method for preparing coherent/semi-coherent structural Al/W multilayerfilm |
| CN102351238 A 20120215 | CN20111200610; | UNIV XI AN JIAOTONG; | B82Y40/00; C01G3/12; | Method for preparing hollow copper sulphide crystal with nano-twinstructure |
| CN102491334 A 20120613 | CN20111412949; | UNIV XI AN POLYTECHNIC; | B82Y40/00; C01B31/36; | Method for preparing nano SiC fibers by using abandoned cotton linterthrough template |
| CN102407344 A 20120411 | CN20111357791; | UNIV XI AN SCI & TECHNOLOGY; | B82Y40/00; B22F9/24; B82Y30/00; | Industrial production method of copper nanoparticle |

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| CN102351167 A 20120215 | CN20111188242; | UNIV XI AN TECHNOLOGICAL; | C01B31/02; B82Y40/00; | Carbon nanotube ultrathin film with stable electrochemical property and preparation method thereof |
| CN102502534 A 20120620 | CN20111367834; | UNIV XI AN TECHNOLOGY; | B82Y40/00; C01B21/06; C01B21/072; | Preparation method of mesoporous AlN or GaN microparticle |
| CN102423807 A 20120425 | CN20111392748; | UNIV XIAMEN; | B22F9/24; B82Y40/00; | Method for continuously synthesizing platinum nanometer particle |
| CN102491396 A 20120613 | CN20111390578; | UNIV XIAMEN; | B82Y40/00; C01F11/18; | Method for preparing nanometer calcium carbonate |
| CN102320564 A 20120118 | CN20111257948; | UNIV XIAMEN; | B82Y40/00; G01N27/327; G01N27/26; B82B3/00; | Nanopore preparation method based on tungsten needle tip and thick-wall glass tube |
| CN102491349 A 20120613 | CN20111406697; | UNIV XIAMEN; | B82Y40/00; C01B33/12; | Preparation method of hollow mesoporous silica nanospheres |
| CN102328941 A 20120125 | CN20111264155; | UNIV XIANGTAN; | C01F7/02; B82Y40/00; | Method for preparing nano alumina |
| CN102491415 A 20120613 | CN20111397146; | UNIV XIDIAN; | B82Y40/00; C01G23/053; | Preparation method of monodispersed anatase titanium dioxide nanoporous microspheres |
| CN102432061 A 20120502 | CN20111290760; | UNIV XINJIANG; | C01G11/00; B82Y40/00; | Method for preparing Cd(OH) ₂ and CdO hexagonal nanoplates in simple solvent system |
| CN102344414 A 20120208 | CN20111190966; | UNIV XINJIANG; | C07D233/58; B82Y40/00; | Method for preparing ionic liquid polyoxometalate nanorods by room temperature solid-phase chemical reaction |
| CN102432059 A 20120502 | CN20111292468; | UNIV XINJIANG; | B82Y40/00; C01G9/03; | Method for preparing ZnO nano-structure by chemical vapor deposition |
| CN102395439 A 20120328 | JP20090100926; JP20 100047170; WO2010J P02381; | UNIV YAMAGATA; | H01B13/00; B22F9/30; H01B5/14; B22F9/00; | Coated silver nanoparticles and manufacturing method therefor |
| US2012043510 A1 20120223 | JP20090100926; JP20 100047170; WO2010J P02381; | UNIV YAMAGATA; | H01B1/22; | COATED SILVER NANOPARTICLES AND MANUFACTURING METHOD THEREFOR |
| KR20120041158 A 20120430 | JP20090100926; JP20 100047170; | UNIV YAMAGATA; | H01B5/14; B22F1/00; H01B13/00; B22F9/30; | COATED SILVER NANOPARTICLES AND MANUFACTURING METHOD THEREFOR |

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| EP2420336 A1 20120222 | JP20090100926;JP20 100047170;WO2010J P02381; | UNIV YAMAGATA; | B22F9/30; B22F9/00; H01B5/14; H01B13/00; | COATED SILVER NANOPARTICLES AND MANUFACTURING METHOD THEREFOR |
| CN102489232 A 20120613 | CN20111414017; | UNIV YANGZHOU; | B01J13/14; C09K11/06; B82Y40/00; | Method for preparing fluorescence labeling polyactic acid nanometermicrosphere |
| CN102476825 A 20120530 | CN20101557478; | UNIV YANGZHOU; | C01G19/00; B82Y40/00; | Method for preparing high-quality stannic sulfide nanosheet by use ofsingle-source molecular precursor |
| CN102366832 A 20120307 | CN20111181126; | UNIV YANSHAN; | B22F1/02; B82Y40/00; H01F41/02; B22F9/24; B82Y25/00; | Preparation method of anisotropic samarium- cobalt/cobaltnano-composite magnet |
| CN102381689 A 20120321 | CN20111334471; | UNIV YANSHAN; | B82Y40/00; C01B19/04; | Synthesization method for high-monodispersion cadmium telluride nano crystal |
| US2012104327 A1 20120503 | KR20100106929; | UNIV YONSEI IACF; | H01M4/04; H01M4/485; H01B1/18; | Spinel-Type Lithium Titanium Oxide/Graphene Composite and Method ofPreparing the Same |
| KR20120045411 A 20120509 | KR20100106929; | UNIV YONSEI IACF; | H01M10/0525; H01M4/58; C01B31/02; C01G23/00; | SPINEL TYPE LI4TI5O12/REDUCED GRAPHITE OXIDE(GRAPHENE) COMPOSITE ANDMETHOD FOR PREPARING THE COMPOSITE |
| CN102303896 A 20120104 | CN20111135943; | UNIV YUNNAN; | C01G9/02; B82Y40/00; | Method for preparing zinc oxide with hollow flower-like micrometerstructure |
| CN102335580 A 20120201 | CN20111167462; | UNIV ZHEJIANG; | B82Y40/00; B01J19/08; | Apparatus and method for preparing group IV nanoparticles withcapacitive coupling plasma |
| CN102332532 A 20120125 | CN20111287062; | UNIV ZHEJIANG; | B82Y30/00; B82Y40/00; H01L51/00; H01L51/46; C12P21/00; | Halophile photosensitive protein-titanium dioxide nanotube compositeand preparation method thereof |
| CN102303900 A 20120104 | CN20111237651; | UNIV ZHEJIANG; | B82Y40/00; C01G15/00; | Hydrothermal synthesizing method of sheet- formed diindium trisulphidenano-structured material |
| CN102409365 A 20120411 | CN20111331150; | UNIV ZHEJIANG; | C25C5/02; B82Y40/00; B82Y30/00; | Metal/metal nanoparticle composite material and preparation methodthereof |

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| CN102319546 A 20120118 | CN20111151390; | UNIV ZHEJIANG; | B01D21/26; B82Y40/00; G01N1/28; B09C1/00; B01F11/02; F26B5/00; B01F15/06; | Method for extracting soil nanoscale particles |
| CN102343439 A 20120208 | CN20111298449; | UNIV ZHEJIANG; | B82Y30/00; B82Y40/00; B22F9/04; | Method for preparing gold nanoparticles (AuNPs) |
| CN102430387 A 20120502 | CN20111325076; | UNIV ZHEJIANG; | C02F1/28; B01J20/30; B01J20/20; B82Y40/00; B01J20/28; | Method for preparing novel carbon material at low temperature for processing dye waste water |
| CN102343259 A 20120208 | CN20111092049; | UNIV ZHEJIANG; | A62D3/10; B01J21/06; B82Y40/00; | Method for preparing titanium dioxide nanofilm at low temperature |
| CN102515147 A 20120627 | CN20111374287; | UNIV ZHEJIANG; | C01G45/02; C01G51/04; B82Y40/00; C01B31/04; C01G49/08; | Method for preparing tri-metal tetra-oxide/graphene nanocomposite material |
| CN102502832 A 20120620 | CN20111325064; | UNIV ZHEJIANG; | C01G33/00; B82Y40/00; | Method for synthesizing nanostructured LiNbO ₃ |
| CN102368506 A 20120307 | CN20111287050; | UNIV ZHEJIANG; | H01L31/0224; B82Y30/00; H01L31/072; | n-zinc oxide/p-silica nanowire three-dimensional heterojunction solar energy conversion equipment |
| CN102515564 A 20120627 | CN20111406334; | UNIV ZHEJIANG; | C01G53/04; B82Y40/00; C03C17/23; | Nickel oxide electrochromic film and preparation method thereof |
| CN102350505 A 20120215 | CN20111283344; | UNIV ZHEJIANG; | B82Y30/00; B82Y40/00; B22F9/20; | Preparation method for nickel/graphene nanometer compound material |
| CN102412394 A 20120411 | CN20111321222; | UNIV ZHEJIANG; | B82Y40/00; H01M4/48; | Preparation method of lamellar stannic sulfide/silicon oxide nuclear shell nanorod for lithium battery |
| CN102502845 A 20120620 | CN20111326074; | UNIV ZHEJIANG; | C01G41/00; B82Y40/00; | Preparation method of monoclinic-phase lead tungstate |
| CN102351168 A 20120215 | CN20111189251; | UNIV ZHEJIANG; | C01B31/02; B82Y40/00; | Preparation method of vinylidene chloride polymer base mesopore-micropore composite porous charcoal |
| CN102320758 A 20120118 | CN20111217851; | UNIV ZHEJIANG; | C03C17/23; C04B41/50; B82Y40/00; | Preparation method of ZnO nano homogenous junction arrays with core-shell structure |

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| CN102350288 A 20120215 | CN20111241155; | UNIV ZHEJIANG; | C01G23/053; B01J19/10; B82Y40/00; B01J21/06; | Ultrasonic-hydro-thermal coupling apparatus for preparing nano-material |
| CN102320601 A 20120118 | CN20111267402;CN2 0111270750; | UNIV ZHENGZHOU; | C01B31/34; B82Y30/00; B82Y40/00; | Multistage porous carbon-tungsten compound micro-nano powder and preparation method thereof |
| CZ20100708 A3 20120411 | CZ20100000708; | UNIVERZITA PALACKUHO V OLOMOUCI; | B01F3/12; G01N21/65; B82B1/00; | Activation method of aqueous dispersions of silver nanoparticles for purposes of surface amplified Raman spectroscopy |
| AT543781T T 20120215 | US20050114285;WO2 006US11409; | UOP LLC; | C01B3/56; | GASREINIGUNGSVERFAHREN FÜR WASSERSTOFF MIT PULVER VON ZEOLITH X |
| US8173763 B1 20120508 | US20070919192P;US 20080079083; | US AIR FORCE; | C08G2/18; | Carbon nanofibers and nanotubes grafted with a hyperbranched poly(ether-ketone) and its derivatives |
| US2012074908 A1 20120329 | US20100386084P;US 201113245792; | US GOV SEC NAVY; | H01M8/10; H01M4/86; H01M8/08; H02J7/00; | DUAL-FUNCTION AIR CATHODE NANOARCHITECTURES FOR METAL-AIR BATTERIES WITH PULSE-POWER CAPABILITY |
| US2012119760 A1 20120517 | US20100413664P;US 201113293323; | US GOV SEC NAVY; | G01N27/414; G01R27/02; H01L21/20; H01L23/48; | PERFORATED CONTACT ELECTRODE ON VERTICAL NANOWIRE ARRAY |
| US2012032375 A1 20120209 | US20100851584; | USA AS REPRESENTED BY THE ADMINISTRATOR OF THE NAT AERONAUTICS AND SPACE ADMINISTRATION; | B29C35/08; B29C43/02; C09K3/00; | Fine-Grained Targets For Laser Synthesis of Carbon Nanotubes |
| TW201202841 A 20120116 | JP20100016127; | USHIO ELECTRIC INC; | G03F7/00; B08B7/00; H01L21/027; | Light processing apparatus and light processing method |
| CN102496639 A 20120613 | CN20111433689; | USTC UNIV SCIENCE TECH CN; | H01L31/18; B82Y40/00; B82Y30/00; H01L31/0352; | Plasmon enhancement type solar cell with intermediate bands and photoelectric conversion film material of solar cell |

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| CN102437324 A 20120502 | CN20111412563; | USTC UNIV SCIENCE TECH CN; | B82Y30/00; B82Y40/00; H01M4/525; H01M4/505; | Preparation method of cobalt-manganese composite oxide nanoparticles and cobalt-manganese composite oxide nanoparticles prepared by adopting same |
| CN102437325 A 20120502 | CN20111412709; | USTC UNIV SCIENCE TECH CN; | B82Y30/00; B82Y40/00; H01M4/52; | Preparation method of cobalt oxide nano cage and cobalt oxide nano cage prepared by adopting same |
| CN102502772 A 20120620 | CN20111341885; | USTC UNIV SCIENCE TECH CN; | C07C45/35; B01J23/72; C07D303/04; C07C47/22; B82Y40/00; C01G3/02; C07D301/08; | Removing method of cuprous oxide nanocrystal surface protective agent, and catalytic application thereof |
| US2012094192 A1 20120419 | US20100904559; | UT BATTELLE LLC; | H01M10/056; H01B5/14; H01M4/58; H01M10/058; B05D5/12; | COMPOSITE NANOWIRE COMPOSITIONS AND METHODS OF SYNTHESIS |
| US2012088066 A1 20120412 | US20100901072; US20 100915183; | UT BATTELLE LLC; | B32B3/10; B05D3/10; | SUPERHYDROPHOBIC TRANSPARENT GLASS (STG) THIN FILM ARTICLES |
| US2012058417 A1 20120308 | WO2009US02985; | UTC POWER CORP; | H01M4/92; B01J37/34; H01M4/88; H01M4/96; | CARBIDE STABILIZED CATALYST STRUCTURES AND METHOD OF MAKING |
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| WO2012082734 A1 20120621 | US20100967880; | WOBER MUNIB;ZENA TECHNOLOGIES INC; | H01L31/062; | FULL COLOR SINGLE PIXEL INCLUDING DOUBLET OR QUADRUPLET SI NANOWIRESFOR IMAGE SENSORS |
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| US2012148851 A1 20120614 | US20100966208; | XEROX CORP; | C08K5/3415; C08K5/20; C08K5/1535; C08K5/103; B32B27/06; B32B27/08; C08K5/11; | FUSER MEMBER |
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| AT550094T T 20120415 | EP20060115928;WO2 007EP56228; | YARA INT ASA; | B01J23/00; | VERFAHREN ZUR HERSTELLUNG VON FESTEN MATERIALIEN IM NANOGRISSENBEREICHBEI KONTINUIERLICHER F-LLUNG |
| JP2012009427 A 20120112 | JP20100119677;JP20 110116996; | YAZAKI CORP; | H01B5/02; H01B13/00; B82Y30/00; B82Y40/00; | CONDUCTIVE MATERIAL AND MANUFACTURING METHOD THEREOF |
| US2012135536 A1 20120531 | US20010271620P;US 20010922220;US2011 13304859; | YEDA RES & DEV; | G01N21/75; G01N21/55; G01N21/62; G01J3/28; | Method and Apparatus for Detecting and Quantifying a ChemicalSubstance Employing an Optical Transmission Property of Metallic Islands on a Transparent Substrate |
| CN102408889 A 20120411 | CN20111312459; | YI MEN; | C09K11/56; B82Y40/00; | Manufacturing method of Mn-doped water-soluble group IIB-VIA nanoparticles |
| US2012022244 A1 20120126 | US20100366082P;US 201113186331; | YIN PENG; | C07H21/00; C07H1/00; | SELF-ASSEMBLED POLYNUCLEOTIDE STRUCTURE |
| CN102447125 A 20120509 | CN20101506775; | YINKUI SI; | C04B35/626; C04B35/48; H01M8/10; B82Y40/00; | Hydro-thermal synthesis method for nanometer YSZ (Ytria-StabilizedZirconia) serving as electrolyte material of solid oxide fuel cell |
| EP2411560 A1 20120201 | US20090162744P;WO 2010IL00249; | YISSUM RES DEV CO; | C23C24/08; C09D11/00; H05K3/12; H05K1/09; | PROCESS FOR SINTERING NANOPARTICLES AT LOW TEMPERATURES |
| US2012077422 A1 20120329 | JP20100274767;JP20 110204409; | YOSHINO TAIKI; | B24B1/00; C09K13/06; C09K13/00; | POLISHING LIQUID COMPOSITION |
| US2012120378 A1 20120517 | WO2009EP05513; | ZEISS CARL SMT GMBH; | G03B27/52; B32B38/00; | COMPONENT OF AN EUV OR UV LITHOGRAPHY APPARATUS AND METHOD FORPRODUCING IT |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
|-----------------------------|--|---------------------------------------|---|--|
| US2012140351 A1 20120607 | DE200910035582;WO 2010EP04518; | ZEISS CARL SMT GMBH; | G02B17/06; | MAGNIFYING IMAGING OPTICAL UNIT AND METROLOGY SYSTEM INCLUDING SAME |
| KR20120058587 A 20120607 | DE200910045170;US2 0090247269P;WO201 0EP63694; | ZEISS CARL SMT GMBH; | G21K1/06; G02B5/08; G03F7/20; | REFLECTIVE OPTICAL ELEMENT AND METHOD FOR OPERATING AN EUV LITHOGRAPHY APPARATUS |
| US2012145880 A1 20120614 | US20100967880; | ZENA TECHNOLOGIES INC; | H01L31/18; H01L27/146; H01L31/0352; | FULL COLOR SINGLE PIXEL INCLUDING DOUBLET OR QUADRUPLLET SI NANOWIRES FOR IMAGE SENSORS |
| US2012153124 A1 20120621 | US20100974499; | ZENA TECHNOLOGIES INC; | H01L27/146; H01L31/0352; H01L31/18; | VERTICALLY STRUCTURED PASSIVE PIXEL ARRAYS AND METHODS FOR FABRICATING THE SAME |
| CZ20110366 A3 20120229 | CZ20110000366; | ZENTIVA; | A61K47/38; B82Y10/00; B82B3/00; B82B1/00; B82Y5/00; B82Y40/00; A61K47/36; A61P35/00; | Method of administering medicaments in the form of nanoparticles enabling penetration through hematoencephalic barrier |
| CN102471105 A 20120523 | US20090223338P;US 20090241241P;US200 90259365P;US201003 10563P;US201003479 95P;WO2010US40931 ; | ZEPTOR CORP; | C02F1/42; C02F1/461; | Carbon nanotube composite structures and methods of manufacturing the same |
| US2012121986 A1 20120517 | US20090223338P;US 20090241241P;US200 90259365P;US201003 10563P;US201003479 95P;US201013133927 ;WO2010US40931; | ZEPTOR CORP; | H01M4/66; H01M4/131; | CARBON NANOTUBE COMPOSITE STRUCTURES AND METHODS OF MANUFACTURING THE SAME |
| KR20120031061 A 20120329 | US20090223338P;US 20090241241P;US200 90259365P;US201003 10563P;US201003479 95P; | ZEPTOR CORP; | H01M4/583; H01G9/042; H01M8/02; H01M4/133; | CARBON NANOTUBE COMPOSITE STRUCTURES AND METHODS OF MANUFACTURING THE SAME |
| CN102504816 A 20120620 | CN20111349812; | ZHEJIANG TIANXU TECHNOLOGY CO LTD; | B82Y30/00; C09K11/66; B82Y20/00; | Method for preparing nano luminescent material ZnO/SnO ₂ heterostructure |

| Número de publicação | Prioridade | Depositantes | Classificações | Título |
|-----------------------------|-------------------|---|-------------------------------------|---|
| CN102392123 A 20120328 | CN20111304518; | ZHENG TONG; | B82Y30/00; C21D10/00; B82Y40/00; | Method for preparing nanometer layer on surface of metal material by explosion |
| CN102491263 A 20120613 | CN20111454796; | ZHENGYANG QIAO; | B82B3/00; B82Y30/00; B82Y40/00; | Method for preparing new vanadium pentoxide nanoparticle-loaded one-dimensional nano titanium dioxide tube array material |
| CN102424430 A 20120425 | CN20111243039; | ZHENGZHOU UNIVERSITY OF LIGHT INDUSTRY; | B82Y40/00; C01G51/04; | Preparation method for single crystal cobalt oxide nano-sphere/carbon nano-tube composite nano-material |
| US2012149581 A1 20120614 | CN20061147584; | ZHONGSHAN HOSPITAL FUDAN UNIVERSITY; | H01L31/00; | Process of constructing oxidation-reduction nanomedicine quantum dots room temperature quantum bit networks |
| CN102311114 A 20120111 | CN20111170309; | ZHUZHOU CEMENTED CARBIDE GROUP; | C01B31/34; B82Y40/00; | Preparation method of nanometer tungsten carbide |
| US2012132516 A1 20120531 | US20100955500; | ZIMMERMAN PAUL A; | B01J19/12; C01B31/00; B01J19/08; | Synthesis of Graphene Films Cycloalkanes |

Os Pedidos de patente relativos a nanomateriais⁷, publicados no mundo no 2º semestre de 2011, que não apresentam título e depositante foram listados separadamente na Tabela 3. Cabe ressaltar que esses documentos são complementares aos pedidos de patente listados na Tabela 2.

Tabela 3: Pedidos de patente (que não apresentam depositante) relativos a nanomateriais publicados no mundo no 1º semestre de 2012

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|---|---|
| EA201170990 A1 20120330 | US20090365113;WO 2010US20975; | B32B5/00; | Composites Comprising a Polymer and a Selected Layered Compound and Methods of Preparing and Using Same |
| EA201171258 A1 20120629 | US20090170199P;W O2010US29934; | D01F9/00; | METHOD FOR PRODUCING SOLID CARBON BY REDUCING CARBON OXIDES |
| EA201190076 A1 20120629 | US20090205459P;U S20090211746P;WO 2010US00113; | H01L29/12; H01L21/02; H01L29/06; H01L29/92; | Quantum dot ultracapacitor and electron battery |
| JP2012500106 A 20120105 | EP20080162455;WO 2009EP60354; | B01J19/00; B01D7/02; B01D7/00; | PROCESS FOR PRODUCING NANOSCALE ORGANIC SOLID PARTICLES |
| JP2012500175 A 20120105 | RU20080134160;W O2009RU00413; | C01B19/04; | METHOD FOR SYNTHESISING SEMICONDUCTOR QUANTUM DOTS |
| JP2012500179 A 20120105 | US20080090125P;U S20090153873P;US 20090178136P;US2 0090180505P;US20 090185640P;US200 90187071P;US2009 0187130P;WO2009U S54334; | B82Y30/00; C01B31/02; B82Y40/00; | PREPARATION OF GRAPHENE NANORIBBONS FROM CARBON NANOTUBES |
| JP2012500317 A 20120105 | KR20080080925;WO 2008KR07812; | C08K7/02; C08L27/12; C08K3/04; C08K9/00; C08L81/02; | THERMOPLASTIC RESIN COMPOSITION HAVING EXCELLENT ELECTRICAL CONDUCTIVITY, WEAR RESISTANT AND HIGH HEAT RESISTANCE |
| JP2012500458 A 20120105 | DE200810038523;W O2009EP05731; | B82Y30/00; B82Y40/00; C01B31/02; H01B13/00; H01B1/24; | METHOD FOR PRODUCING COMPOSITE MATERIALS HAVING REDUCED RESISTANCE AND COMPRISING CARBON NANOTUBES |

⁷ Pedidos de patente recuperados por meio das Classificações Internacional e Européia de Patentes B82Y30/00 e/ou B82Y40/00.

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|---|---|
| JP2012500481 A 20120105 | US20080090838P;WO O2009EP05490; | G03F1/60; H01L21/027; G03F1/40; G03F7/20; | EUV RETICLE SUBSTRATES WITH HIGH THERMAL CONDUCTIVITY |
| JP2012500492 A 20120105 | NL20082001896;US 20080089744P;WO2 009NL50499; | H01L21/027; G03F7/20; H01L21/68; H01J37/305; | CHARGED PARTICLE BEAM LITHOGRAPHY SYSTEM AND TARGET POSITIONING DEVICE |
| JP2012500764 A 20120112 | FR20080004676;WO 2009EP58571; | C09K3/14; C01F17/00; | SUSPENSION LIQUIDE ET POUDRE DE PARTICULES D'OXYDE DE CERIUM, PROCEDES DE PREPARATION DE CELLES-CI ET UTILISATION DANS LE POLISSAGE |
| JP2012500860 A 20120112 | US20080196808;WO 2009KR04668; | C09B67/20; C09K11/06; C09B67/08; C09B11/02; | SILICA-BASED FLUORESCENT NANOPARTICLES |
| JP2012500992 A 20120112 | IT2008TO00646;WO 2009IB53763; | B82Y20/00; G01N21/64; G01N21/01; G01N21/65; G01N21/27; B82Y15/00; B82Y40/00; | CONCENTRATOR AND LOCATOR DEVICE OF A SOLUTE AND METHOD FOR CONCENTRATING AND LOCATING A SOLUTE |
| JP2012501062 A 20120112 | US20080091643P;W O2009US54829; | H01M4/92; B82Y30/00; H01M4/86; B01J23/89; | FUEL CELL NANOCATALYST WITH VOLTAGE REVERSAL TOLERANCE |
| JP2012501073 A 20120112 | US20080136331P;U S20080193202P;WO 2009EP05487; | G02B5/22; G02B5/08; G02B5/26; G02B5/28; H01L21/027; | SPECTRAL PURITY FILTER AND LITHOGRAPHIC APPARATUS |
| JP2012501084 A 20120112 | DE200810041623;W O2009EP61005; | B05D3/12; H01L21/027; B29C59/02; | IMPROVED NANOIMPRINT METHOD |
| JP2012501226 A 20120119 | US20080091980P;W O2009US55078; | B01D39/16; B01J20/08; F24F13/28; B01J20/10; B60H3/06; B01D39/06; B01J20/04; A61L9/16; B01J20/06; A61L9/01; | METHOD AND APPARATUS FOR CONTROL AND ELIMINATION OF UNDESIRABLE SUBSTANCES |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|--|---|
| JP2012501290 A 20120119 | US20080190542P;W O2009US54306; | C09K11/59; B82Y40/00; C09K11/08; D01F9/08; C01B33/02; C09K11/65; | FIBERS INCLUDING NANOPARTICLES AND A METHOD OF PRODUCING THE NANOPARTICLES |
| JP2012501475 A 20120119 | US20080202364;US 20090225207P;US2 0090473241;US2009 0540323;WO2009US 54229; | H01L21/027; G03F1/68; G03F1/76; | METHOD FOR DESIGN AND MANUFACTURE OF A RETICLE USING VARIABLE SHAPED BEAM LITHOGRAPHY |
| JP2012501476 A 20120119 | US20080202364;US 20090473241;US200 90540328;WO2009U S54239; | G03F1/68; G03F7/20; H01L21/027; | METHOD FOR DESIGN AND MANUFACTURE OF A RETICLE USING A TWO- DIMENSIONAL DOSAGE MAP AND CHARGED PARTICLE BEAM LITHOGRAPHY |
| JP2012501531 A 20120119 | FR20080055852;WO 2009EP61203; | H01L27/12; H01L21/02; H01L21/3205; H01L23/52; B82Y30/00; | SUBSTRATE FOR AN ELECTRONIC OR ELECTROMECHANICAL COMPONENT AND NANO- ELEMENTS |
| JP2012501863 A 20120126 | US20080093801P;W O2009US55831; | C08F20/06; C08F8/32; B82Y20/00; B82B3/00; H01L21/20; B82B1/00; B82Y40/00; C08F8/02; | QUANTUM DOTS, METHODS OF MAKING QUANTUM DOTS, AND METHODS OF USING QUANTUM DOTS |
| JP2012501875 A 20120126 | EP20080163852;WO 2009EP61344; | C08L101/00; B29C51/04; B29C49/04; B29C47/06; B29C49/08; B32B9/00; B32B7/02; B29C47/00; C08K7/00; | METHOD FOR MANUFACTURING FLAT MOLDED MEMBERS OR FILMS |
| JP2012501941 A 20120126 | EP20080163703;WO 2009EP61103; | C01G9/02; H01L21/368; C01B13/14; | MODIFIED PARTICLES AND DISPERSIONS COMPRISING SAID PARTICLES |
| JP2012501946 A 20120126 | US20080205643;WO 2009US56064; | C01B33/18; | FUMED SILICA OF CONTROLLED AGGREGATE SIZE AND PROCESSES FOR MANUFACTURING THE SAME |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|--|---|
| JP2012502144 A 20120126 | US20080095352P;W O2009US56293; | C09D7/12; C08K3/04; C08L101/02; C09D201/00; C08L101/00; B01F17/42; B01F17/52; C09D11/00; | CARBON NANOTUBE DISPERSIONS |
| JP2012502147 A 20120126 | DE200810046707;W O2009EP06584; | B05D3/06; C09D165/00; C08J5/18; | Vollständig vernetzte chemisch strukturierte Monoschichten |
| JP2012502181 A 20120126 | US20080093865P;W O2009US55587; | H05H1/46; H01J37/32; B82Y40/00; C23C16/515; H05H1/24; | LOW PRESSURE HIGH FREQUENCY PULSED PLASMA REACTOR FOR PRODUCING NANOPARTICLES |
| JP2012502187 A 20120126 | KR20080090376;KR 20090085338;WO20 09KR05133; | B22F9/00; H01B13/00; H01B1/00; B82Y30/00; B22F1/00; H01B1/22; H01B5/00; B22F9/24; C09D11/02; H01B5/14; | METAL NANO BELT, METHOD OF MANUFACTURING SAME, AND CONDUCTIVE INK COMPOSITION AND CONDUCTIVE FILM INCLUDING THE SAME |
| JP2012502273 A 20120126 | EP20080163915;WO 2009IB53916; | G01N21/78; B82Y35/00; B82Y30/00; G01N33/543; | IMPROVED WIRE GRID SUBSTRATE STRUCTURE AND METHOD FOR MANUFACTURING SUCH A SUBSTRATE |
| JP2012502427 A 20120126 | US20080095085P;W O2009SG00319; | H01M4/90; H01M12/06; H01M4/64; B82Y40/00; H01G9/058; H01M4/86; H01M4/583; H01M4/92; H01M12/08; B82Y30/00; | ELECTRODE MATERIALS FOR METAL-AIR BATTERIES, FUEL CELLS AND SUPERCAPACITORS |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|---|--|
| JP2012502467 A 20120126 | US20080095090P;W O2009SG00318; | H01M4/133; H01G9/058; C01G23/047; H01M4/96; H01M4/92; H01M4/38; H01M4/1393; H01M4/48; H01M4/90; H01M4/80; H01M4/66; H01M4/04; C01B31/02; B82Y30/00; C01G45/02; H01M4/02; B82Y40/00; | NANOPARTICLE DECORATED NANOSTRUCTURED MATERIAL AS ELECTRODE MATERIAL AND METHOD FOR OBTAINING THE SAME |
| JP2012502892 A 20120202 | FR20080005034;WO 2009FR01090; | A61K47/26; A61K9/51; A61K47/34; B82Y5/00; C07F7/18; B82Y30/00; A61K31/695; A61P35/00; A61K47/48; | DERIVES DE METALLOPORPHYRINES, NANOPARTICULES LES COMPRENANT |
| JP2012503318 A 20120202 | DE200810042212;U S20080098568P;WO 2009EP06112; | C23C14/06; H01L21/027; G02B5/08; C23C14/14; | REFLECTIVE OPTICAL ELEMENT AND METHODS FOR PRODUCING IT |
| JP2012503642 A 20120209 | US20080100068P;U S20090158483P;WO 2009IB06947; | A01N25/28; A01N43/50; A01N25/12; A01N47/36; A01N43/40; A01P7/04; A01N25/04; A01N25/06; A01N43/70; A01N43/54; A01N25/10; A01N39/04; A01N51/00; A01P13/00; A01P3/00; | METHODS TO PRODUCE POLYMER NANOPARTICLES AND FORMULATIONS OF ACTIVE INGREDIENTS |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|--|---|
| JP2012503852 A 20120209 | FR20080056429;WO 2009FR51816; | H05B33/26; H05B33/10; H05B33/28; H01L51/50; H05B33/14; | PROCEDE DE FABRICATION D'UN MASQUE A OUVERTURES SUBMILLIMETRIQUES POUR GRILLE ELECTROCONDUCTRICE SUBMILLIMETRIQUE, MASQUE ET GRILLE ELECTROCONDUCTRICE SUBMILLIMETRIQUE. |
| JP2012504091 A 20120216 | FR20080056530;WO 2009FR51804; | C04B35/80; C04B35/83; | METHOD FOR PRODUCING PARTS MADE OF A THERMOSTRUCTURAL COMPOSITE MATERIAL |
| JP2012504093 A 20120216 | FR20080005406;WO 2009IB54286; | C01G25/00; C01G27/00; | POUDRE D'HYDRATE DE ZIRCONIUM |
| JP2012504094 A 20120216 | FR20080005407;WO 2009IB54288; | A61C13/083; B01J21/06; A61K6/027; A61K6/00; C01G27/02; C01G25/02; | POUDRE D'OXYDE DE ZIRCONIUM |
| JP2012504227 A 20120216 | FR20080056519;WO 2009EP62562; | G01N27/12; | CHEMICAL SENSORS CONTAINING CARBON NANOTUBES, METHOD FOR MAKING SAME, AND USES THEREOF |
| JP2012504244 A 20120216 | US20080100962P;W O2009US58787; | G01R1/073; H01L21/66; | PROBE CARDS INCLUDING NANOTUBE PROBES AND METHODS OF FABRICATING |
| JP2012504336 A 20120216 | US20080101491P;U S20080102072P;US 20080109529P;US2 0090568730;WO200 9US05386; | H01L21/027; | Particle Mitigation for Imprint Lithography |
| JP2012504671 A 20120223 | ES20080002789;WO 2009ES70411; | C08F2/44; C08K9/00; C08K7/00; C08L101/00; | NANOCOMPOSITE MATERIALS HAVING ELECTROMAGNETIC- RADIATION BARRIER PROPERTIES AND PROCESS FOR OBTAINMENT THEREOF |
| JP2012504843 A 20120223 | US20080101682P;W O2009EP62788; | H01J37/305; H01L21/027; H01J37/12; | ELECTROSTATIC LENS STRUCTURE |
| JP2012504865 A 20120223 | US20080102082P;U S20090182912P;US 20090563356;WO20 09US05307; | H01L21/027; B29C59/02; | IN-SITU CLEANING OF AN IMPRINT LITHOGRAPHY TOOL |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|---|---|
| JP2012505075 A 20120301 | WO2008PT00040; | B01J2/00; C09C1/00; C01F7/16; C01F7/02; C09C3/06; C01G23/04; B82Y40/00; | CERAMIC POWDERS COATED WITH A NANOPARTICLE LAYER AND PROCESS FOR OBTAINING THEREOF |
| JP2012505137 A 20120301 | DE200810050692;W O2009EP07196; | C01G23/00; | Kohlenstoffbeschichteter Lithiumtitan-Spinell |
| JP2012505268 A 20120301 | FR20080056795;WO 2009CA01423; | C08J3/20; C08L101/00; B82Y40/00; C08K3/04; B82Y30/00; C08J3/14; | MATERIAUX NANOCOMPOSITES ET PROCEDE DE FABRICATION PAR NANOPRECIPITATION. |
| JP2012505295 A 20120301 | US20080104541P;U S20090573925;WO2 009US59913; | C09D7/12; C09D183/05; | SILICA COATING FOR ENHANCED HYDROPHILICITY |
| JP2012505427 A 20120301 | GB20080018556;W O2009GB51346; | G01N21/27; G01N31/00; G01N21/75; G01N21/47; B82Y40/00; B82Y20/00; G01N21/01; G03H1/04; | METHOD OF PRODUCTION OF A HOLOGRAPHIC SENSOR |
| JP2012505538 A 20120301 | FR20080056832;WO 2009FR51932; | H01L21/208; B82Y40/00; H01L21/336; H01L29/06; H01L21/368; H01L29/786; | METHOD FOR MAKING SIDE GROWTH SEMICONDUCTOR NANOWIRES AND TRANSISTORS OBTAINED BY SAID METHOD |
| JP2012505544 A 20120301 | US20080104331P;U S20090511593;WO2 009US04454; | H01L21/027; | Energy Sources for Curing in an Imprint Lithography System |
| JP2012505823 A 20120308 | US20080105488P;W O2009US60104; | A61K6/04; C01B33/18; C08F2/44; A61K6/027; | FILLERS AND COMPOSITE MATERIALS WITH ZIRCONIA AND SILICA NANOPARTICLES |
| JP2012505938 A 20120308 | EP20080166633;WO 2009EP63065; | C08L71/02; C08K5/541; C08J3/20; C08K5/04; C08K3/34; | METHOD FOR PRODUCING POLYOL DISPERSIONS CONTAINING SILICA AND USE THEREOF FOR PRODUCING POLYURETHANE MATERIALS |
| JP2012505950 A 20120308 | WO2008US79857; | B82Y30/00; C08J3/21; C08K3/34; B82Y40/00; C08C19/12; C08L101/00; | POLYMER-CLAY NANOCOMPOSITE AND PROCESS FOR PREPARING SAME |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|--|---|
| JP2012506145 A 20120308 | US20080106183P;US20090576599;WO2009US05614; | H01L21/027; B29C59/02; | FLUID DISPENSE SYSTEM COATING |
| JP2012506146 A 20120308 | US20080106676P;US20090576556;WO2009US05666; | H01L21/027; B29C59/02; | Gas Environment for Imprint Lithography |
| JP2012506312 A 20120315 | KR20080104349;WO2008KR07781; | B01J23/88; B01J37/00; B01J35/08; C01B31/02; | SUPPORTED CATALYST FOR SYNTHESIZING CARBON NANOTUBES, METHOD FOR PREPARING THEREOF AND CARBON NANOTUBE USING THE SAME |
| JP2012506357 A 20120315 | DE200810053027;WO2009DE01237; | C01B31/02; B82Y30/00; | Verfahren zum Herstellen einer Kohlenstoff-Nanoröhren, Fullerene und/oder Graphene enthaltenden Beschichtung |
| JP2012506463 A 20120315 | EP20090151848;US20080197102P;WO2009EP63377; | C08K3/00; C08L101/00; C08K5/00; C08K3/22; | HEAT ABSORBING ADDITIVES |
| JP2012506475 A 20120315 | FR20080057173;FR20090051843;US20090235471P;WO2009FR52034; | C08L101/00; C08L77/00; C08K5/00; C08J3/20; | PROCEDE DE PREPARATION D'UN MATERIAU COMPOSITE A BASE DE NANOTUBES, NOTAMMENT DE CARBONE |
| JP2012506600 A 20120315 | US20080107105P;US20090580813;WO2009US05688; | G11B5/84; B29C59/02; | Drop Pattern Generation with Edge Weighting |
| JP2012506618 A 20120315 | US20080107238P;US20090581236;WO2009US05692; | B29C59/02; H01L21/027; | Reduction of Stress During Template Separation |
| JP2012506635 A 20120315 | US20080107360P;US20080107837P;US20080109608P;US20090582041;WO2009US05723; | H01L21/027; | Fluid Dispense Device Calibration |
| JP2012506771 A 20120322 | EP20080168048;EP20080168050;WO2009EP64407; | B05D7/24; C09D7/12; C09D5/00; C09D163/00; A61M25/00; C09D1/00; A61F2/82; C09D4/02; B05D5/00; C09D5/16; C09D151/10; | ANTIFOULING COATING COMPOSITION COMPRISING FUNCTIONALIZED NANOPARTICULES |
| JP2012507117 A 20120322 | US20080258263;US20090419178;US20090553300;WO2009US58646; | H01B5/14; B82Y30/00; H01B13/00; B82Y25/00; | COMPOUND MAGNETIC NANOWIRES FOR TCO REPLACEMENT |

| Número de publicação | Prioridade | Classificações | Título |
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| JP2012507119 A 20120322 | US20080108301P;W O2009US61684; | H01M8/02; H01M4/86; H01M4/90; H01M4/92; H01M8/10; H01M4/88; | MEMBRANE ELECTRODE ASSEMBLIES WITH INTERFACIAL LAYER |
| JP2012507138 A 20120322 | US20080107729P;U S20080108640P;US 20090582091;WO20 09US05721; | H01L21/027; B29C59/02; | IMPRINT LITHOGRAPHY SYSTEM AND METHOD |
| JP2012507140 A 20120322 | US20080107720P;U S20080110051P;US 20090227395P;US2 0090604094;WO200 9US05775; | B29C59/02; H01L21/027; | Fabrication of High-Throughput Nano-Imprint Lithography Templates |
| JP2012507141 A 20120322 | US20080108131P;U S20080109557P;US 20090604517;WO20 09US05803; | B29C59/02; H01L21/027; | Strain and Kinetics Control During Separation Phase of Imprint Process |
| JP2012507173 A 20120322 | US20080108941P;U S20090580324;WO2 009US05690; | H01L21/027; G02B26/08; G02B26/10; G01B11/00; | Optical System for Use in Stage Control |
| JP2012507391 A 20120329 | US20080109528P;U S20090606588;WO2 009US05870; | B05D7/24; G11B5/84; B05D3/10; | FACILITATING ADHESION BETWEEN SUBSTRATE AND PATTERNED LAYER |
| JP2012507456 A 20120329 | WO2008FI50628; | C01G23/00; H01M4/485; | PROCESS OF PREPARING ALKALI METAL TITANATES |
| JP2012507459 A 20120329 | DE200810053736;D E200910019221;DE 200910030118;DE20 0910041574;WO200 9IB07174; | B32B15/04; C04B37/02; | COMPOSITE MATERIAL, METHOD FOR PRODUCING A COMPOSITE MATERIAL AND ADHESIVE OR BINDING MATERIAL |
| JP2012507588 A 20120329 | GB20080020101;US 20080111093P;WO2 009GB02605; | C08L83/04; C08K9/04; | SURFACE FUNCTIONALISED NANOPARTICLES |
| JP2012507592 A 20120329 | US20080260127;WO 2009US05649; | B82Y40/00; C09B67/20; C09B67/04; C09B47/10; C09B67/12; | Method for preparing nanodispersions of fluorinated phthalocyanine pigments |
| JP2012507597 A 20120329 | US20080110435P;W O2009US56618; | C09D185/00; C09D183/00; C09D183/02; C09D7/12; C09D183/06; C09D183/08; | TRANSPARENT INORGANIC- ORGANIC HYBRID MATERIALS VIA AQUEOUS SOL-GEL PROCESSING |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|--|--|
| JP2012507622 A 20120329 | CN20081225926;W O2009CN74801; | C01B33/023; C25B1/00; B82Y40/00; B82Y30/00; | ELECTROCHEMICAL METHOD FOR MANUFACTURING ONE OR MORE OF SILICON NANOPOWDER, SILICON NANOWIRE AND SILICON NANOTUBE |
| JP2012507638 A 20120329 | KR20080110105;WO 2009KR06454; | D01F9/145; H01M4/96; H01G9/058; D01F6/54; D01F9/22; H01M4/88; B82Y40/00; D01D5/04; D01F6/18; C01B31/02; B82Y30/00; | Carbon nanofiber with skin-core structure, method of producing the same, and products comprising the same |
| JP2012507707 A 20120329 | KR20080107948;WO 2008KR06996; | B82Y30/00; B82Y35/00; G01N21/27; | A NANOGAP DEVICE FOR FIELD ENHANCEMENT AND A SYSTEM FOR NANOPARTICLE DETECTION USING THE SAME |
| JP2012507849 A 20120329 | US20080193175P;U S20090171873P;US 20090224116P;WO2 009IL01026; | H01L21/027; B82Y40/00; | MAGNETIC PATTERNING METHOD AND SYSTEM |
| JP2012507859 A 20120329 | US20080109557P;U S20090603270;WO2 009US05794; | B29C59/02; H01L21/027; | Separation in an Imprint Lithography Process |
| JP2012507882 A 20120329 | US20080111102P;U S20090606274;WO2 009US05869; | B29C59/02; H01L21/027; | Alignment for Edge Field Nano- Imprinting |
| JP2012507883 A 20120329 | US20080111509P;U S20090612527;WO2 009US05990; | B29C59/02; H01L21/027; | RELEASE AGENT PARTITION CONTROL IN IMPRINT LITHOGRAPHY |
| JP2012508108 A 20120405 | DE200810043682;W O2009EP64741; | B05D7/24; C09D5/00; C09D201/00; | Verfahren zur Beschichtung von Oberflächen mit Partikeln und Verwendung der nach diesem Verfahren hergestellten Beschichtungen |
| JP2012508159 A 20120405 | WO2008MY00143; | C01B31/02; B01J23/88; B01J29/48; | A PROCESS FOR PRODUCING CARBON NANOTUBES (CNTs) |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|---|--|
| JP2012508226 A 20120405 | IT2008RM00602;WO 2009IB54922; | A61K47/32; A61K47/02; B82Y5/00; A61P21/02; A61P25/16; A61P25/28; A61P25/00; B82Y40/00; A61K9/16; A61K47/42; A61K31/785; B82Y30/00; A61P25/14; | GOLD NANOPARTICLES COATED WITH POLYELECTROLYTES AND USE THEREOF AS MEDICAMENT FOR THE TREATMENT OF NEURODEGENERATIVE DISEASES CAUSED BY PROTEIN AGGREGATES |
| JP2012508434 A 20120405 | DE200810056370;W O2009DE01446; | H05B33/02; H05B33/10; H01L51/50; | Verfahren zur Herstellung eines organischen strahlungsemitterenden Baelements und organisches strahlungsemitterendes Baelement |
| JP2012508645 A 20120412 | DE200810057475;D E200810057509;DE 200810058248;WO2 009EP06635; | B01J20/08; B01J20/28; A61L9/16; C02F1/28; A61L9/01; B01J20/18; B01J20/30; B01J20/22; B01J20/10; B01D53/02; B01J20/20; | Adsorptive Formkörper und ihre Verwendung |
| JP2012508646 A 20120412 | DE200810057475;D E200810057509;DE 200810058249;WO2 009EP06642; | A61L9/01; B01J20/30; B01J20/28; B01J20/08; B01J20/18; B01J20/22; A61L9/16; C02F1/28; B01J20/20; B01D53/02; B01J20/10; | Adsorptive Formkörper und ihre Verwendung |
| JP2012508682 A 20120412 | KR20080113518;WO 2009KR06682; | C22C19/07; B22F9/20; B82Y30/00; C22C28/00; H01J1/304; C30B29/62; B22F1/00; C30B29/52; B82Y40/00; | A SINGLE-CRYSTALLINE GERMANIUM COBALT NANOWIRE, A GERMANIUM COBALT NANOWIRE STRUCTURE, AND A FABRICATION METHOD THEREOF |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|---|---|
| JP2012508976 A 20120412 | EP20080169031;WO 2009NL50685; | B29C59/02; H01L21/027; | A method for forming a multi-level surface on a substrate with areas of different wettability and a semiconductor device having the same. |
| JP2012508978 A 20120412 | US20080114239P;U S20090616896;WO2 009US06113; | B29C33/38; B29C59/02; B29C33/42; H01L21/027; | Large Area Patterning of Nano-Sized Shapes |
| JP2012508979 A 20120412 | US20080114896P;U S20090157386P;US 20090250418P;WO2 009US06119; | B82Y40/00; B82Y30/00; H01L31/04; B82Y20/00; | NANOSTRUCTURED DEVICES |
| JP2012509169 A 20120419 | WO2008US84434; | C02F1/28; B01J20/06; B01D39/14; B01D39/18; B01D46/10; B01J20/08; B01D39/20; | POROUS BLOCK NANOFIBER COMPOSITE FILTERS |
| JP2012509242 A 20120419 | FI20080006095;WO 2009FI50939; | B32B9/00; B82Y30/00; C01B31/02; B82Y40/00; | CRYSTALLINE SURFACE STRUCTURES AND METHODS FOR THEIR FABRICATION |
| JP2012509248 A 20120419 | KR20100001893;WO 2010KR02551; | B82Y40/00; C01B31/02; B82Y30/00; | Method for preparing graphene sheets from turbostratic graphitic structure and graphene sheets prepared thereby |
| JP2012509396 A 20120419 | KR20080114906;WO 2009KR06767; | B82Y40/00; B22F9/24; | METHOD FOR MANUFACTURING METALLIC NANOWIRES USING IONIC LIQUIDS |
| JP2012509676 A 20120426 | EP20080305846;US 20090620100;WO20 09US65862; | B82Y5/00; B82Y40/00; C12M3/00; C12N5/071; C12N1/00; G01N33/53; B82Y15/00; | Nanoparticulate affinity capture for label independent detections system |
| JP2012509760 A 20120426 | US20080275712;WO 2009US64928; | F16L58/02; B05D1/20; B05D7/22; | Method Of Coating Tubes Using A Self-Assembly Process |
| JP2012509969 A 20120426 | DE200810044116;W O2009EP65500; | C09D201/00; C09B67/02; C09D5/24; C09D11/00; C09B67/46; C09D7/12; C09D17/00; | Pigmentgranulat, Verfahren zu dessen Herstellung und Verwendung |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|-----------------------------------|---|--|
| JP2012509983 A 20120426 | US20080117892P;W O2009US65693; | A61K31/573; A61K31/337; C12N15/09; A61K31/436; A61K47/22; B82Y40/00; A61K31/713; A61K9/48; A61K47/34; A61K9/127; C07K17/02; B82Y30/00; A61K31/7048; C08G81/00; B82Y5/00; A61K9/19; A61K38/00; | BLOCK COPOLYMERS AND USES THEREOF |
| JP2012510140 A 20120426 | CN20091143905;W O2009CN72394; | H01M4/58; C01B25/45; C01B35/14; | NANOMETER-LEVEL POSITIVE ELECTRODE MATERIAL FOR LITHIUM BATTERY AND METHOD FOR MAKING THE SAME |
| JP2012510147 A 20120426 | US20080324151;WO 2009EP62763; | H01L31/10; B82Y30/00; | SEMICONDUCTOR NANOWIRE ELECTROMAGNETIC RADIATION SENSOR |
| JP2012510361 A 20120510 | DE200810060259;W O2009EP08342; | C01B7/04; B01J35/02; B01J37/00; B01J23/46; B01J35/08; | Katalysator für Oxidationsreaktionen in Gegenwart von Chlorwasserstoff und/oder Chlor und Verfahren zu dessen Herstellung, sowie dessen Verwendung |
| JP2012510420 A 20120510 | DE200810044384;W O2009EP65157; | C09J201/00; C01G49/02; C08K3/34; C09J11/04; C08L101/00; C09J5/06; C08K9/02; | Eisen-Silicium-Oxidpartikel mit einer Kern-Hülle-Struktur |
| JP2012510426 A 20120510 | US20080119673P;W O2009US06352; | C01B31/02; B82Y40/00; B32B15/04; C08K9/04; B32B9/00; C08L101/00; B82Y30/00; | MULTIFUNCTIONAL COMPOSITES BASED ON COATED NANOSTRUCTURES |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|---|--|
| JP2012510892 A 20120517 | US20080200821P;US S20080200823P;US 20080200824P;US2 0080200825P;US20 090210064P;US200 90210065P;US2009 0217604P;US20090 217605P;US200902 17680P;WO2009US 06400; | A61K8/19; A61K47/02; C02F1/68; A61Q19/00; C10L1/32; C10L10/18; D01F1/10; | WATER CLUSTERS, PRODUCTS WITH WATER CLUSTERS, AND METHODS OF PRODUCING |
| JP2012510948 A 20120517 | FR20080006869;WO 2009FR52409; | C01B31/02; B82Y30/00; B82Y40/00; C09D5/00; C09D7/12; B01J31/28; C09D201/00; | PROCEDE DE SYNTHESSE DE NANOTUBES DE CARBONE SUR MATERIAUX MICROMETRIQUES LONGS ET PARTICULAIRES |
| JP2012510950 A 20120517 | US20080315701;WO 2009US06359; | C08K3/04; C08K3/20; C01B31/02; C08L101/00; B01J13/00; | Graphene and graphene oxide aerogels |
| JP2012511097 A 20120517 | FR20080058331;WO 2009FR52320; | C08L69/00; C01F11/18; C01B33/40; G02B1/04; C08K7/00; C01F7/06; C08K5/521; | PROCEDE DE PREPARATION D'UN MATERIAU POLYMERE TRANSPARENT COMPRENANT DES NANOPARTICULES MINERALES AYANT UN FACTEUR DE FORME STRICTEMENT SUPERIEUR A 1,0 |
| JP2012511100 A 20120517 | AU20080906329;WO 2009AU01588; | B82Y40/00; C25D11/04; B82Y30/00; | FORMATION OF NANOPOROUS MATERIALS |
| JP2012511492 A 20120524 | FR20080058459;WO 2009FR52408; | H01M4/62; H01M4/48; H01M4/36; C01G19/02; C01B31/02; H01M4/583; B82Y40/00; B82Y30/00; | METHOD FOR MANUFACTURING A SNO2 COMPOSITE MATERIAL AND CARBON NANOTUBES AND/OR CARBON NANOFIBRES, MATERIAL OBTAINED BY THE METHOD, AND LITHIUM BATTERY ELECTRODE COMPRISING SAID MATERIAL |
| JP2012511495 A 20120524 | KR20080126846;WO 2009KR05478; | H01F1/36; B82Y25/00; C01G49/08; H01F1/11; B82Y40/00; H01F1/00; C01G49/00; | REGULAR HEXAHEDRAL OR OCTAHEDRAL FERRITE NANOPARTICLE, AND METHOD FOR PRODUCING SAME |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|--|--|
| JP2012511627 A 20120524 | DE200810061703;D E200910015470;WO 2009EP08289; | A61Q3/00; H01B1/00; H01B13/00; B22F9/00; B22F1/02; H01B1/22; B22F1/00; B22F9/24; B82Y40/00; C09J11/04; C09D7/12; H01B5/00; B82Y30/00; A61K8/19; C09D11/02; | Verfahren zur Herstellung von Metallnanopartikeln und auf diese Weise erhaltene Metallnanopartikel und ihre Verwendung |
| JP2012511635 A 20120524 | US20080121598P;U S20080121605P;WO 2009US66358; | H01L21/027; C23C26/00; | AMIDE-LINKED PERFLUOROPOLYETHER THIOL COMPOUNDS AND PROCESSES FOR THEIR PREPARATION AND USE |
| JP2012511705 A 20120524 | EP20080171127;US 20080121118P;US2 0080141542P;WO20 09EP66739; | G01N21/27; G01N21/65; B82Y20/00; G01N21/64; B82Y40/00; | Single molecule optical spectroscopy in solid-state nanopores in a transmission-based approach |
| JP2012511714 A 20120524 | GB20080022733;W O2009GB02871; | G01N27/416; G01N27/30; B82Y30/00; B82Y40/00; | NANOTUBE ELECTROCHEMISTRY |
| JP2012512024 A 20120531 | US20080336792;WO 2009US64397; | B01J49/00; B01J41/12; C02F1/42; | ION-EXCHANGE DEVICE AND REGENERATION METHOD OF ION-EXCHANGE MATERIAL THEREOF |
| JP2012512118 A 20120531 | US20080121609P;W O2009US67730; | C01B31/02; B82Y30/00; B82Y40/00; | STRONGLY BOUND CARBON NANOTUBE ARRAYS DIRECTLY GROWN ON SUBSTRATES AND METHODS FOR PRODUCTION THEREOF |
| JP2012512127 A 20120531 | WO2008US87133; | C01G25/00; B01J23/10; C01G49/00; B01F17/00; C01G3/00; F01N3/10; B01J23/76; B01D53/86; C01F17/00; | FUEL ADDITIVE CONTAINING LATTICE ENGINEERED CERIUM DIOXIDE NANOPARTICLES |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|-----------------------------------|---|---|
| JP2012512241 A 20120531 | IN2008DE02828;WO 2009IN00723; | A61K47/34; A61L27/00; A61K47/02; C12N5/07; A61K47/32; C12M1/00; A61K47/08; A61K47/04; A61K9/14; | SELF STANDING NANOPARTICLE NETWORKS/SCAFFOLDS WITH CONTROLLABLE VOID DIMENSIONS |
| JP2012512273 A 20120531 | US20080122706P;W O2009US65352; | C08J5/18; C08L101/00; G02B5/00; B32B27/14; C08K9/04; | HIGH REFRACTIVE INDEX INORGANIC OXIDE NANOPARTICLES COMPRISING SURFACE TREATMENT, POLYMERIZABLE RESIN, AND ARTICLES |
| JP2012512298 A 20120531 | EP20080172008;WO 2009EP66614; | C08G18/42; C09D175/06; C09D175/14; C09D7/12; C09D175/04; B05D7/24; | QUICK-DRYING COATING COMPOUNDS |
| JP2012512322 A 20120531 | EP20080171747;WO 2009EP67014; | C09D11/00; B22F9/24; B22F9/00; | RADIOACTIVE GOLD NANOPARTICLES AND METHODS OF MAKING AND USING THEM |
| JP2012512323 A 20120531 | EP20080171755;WO 2009EP67015; | B22F9/24; H05K3/12; B82Y40/00; B82Y30/00; C09D11/00; | Aqueous dispersions of silver particles |
| JP2012512328 A 20120531 | DE200810063727;W O2009EP08699; | C01B31/02; B01J23/88; C25B1/04; C25B9/00; C25B11/12; C01B13/00; | Elektrochemisches Verfahren zur Reduktion molekularen Sauerstoffs |
| JP2012512329 A 20120531 | EP20080171855;WO 2009EP67043; | C23C22/02; | METAL PARTS CONTAINING A PROTECTIVE COATING |
| JP2012512332 A 20120531 | US20080138511P;W O2009US67808; | B82Y5/00; B82Y40/00; B82Y30/00; A61N5/10; B22F9/24; | RADIOACTIVE GOLD NANOPARTICLES AND METHODS OF MAKING AND USING THEM |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|-----------------------------------|--|---|
| JP2012512505 A 20120531 | US20080122306P;W O2009US67278; | H01M4/66; H01M4/485; H01M4/505; H01M4/38; H01M10/0585; H01M4/134; H01M4/1395; H01M2/02; H01M4/70; H01M4/58; B82Y30/00; H01M4/525; H01M10/052; B82Y40/00; H01M10/0562; H01M2/26; | THREE-DIMENSIONAL BATTERY WITH HYBRID NANO-CARBON LAYER |
| JP2012512518 A 20120531 | US20080336889;WO 2009US66238; | B32B7/02; G02B1/11; H01L51/50; H05B33/02; G02B1/02; G02B5/20; G02B5/00; H01L33/44; | LIGHT EXTRACTION FILM WITH NANOPARTICLE COATINGS |
| JP2012512521 A 20120531 | US20080201977P;W O2009US68253; | H01M8/02; H01M8/12; | Co-doped YSZ electrolytes for solid oxide fuel cell stacks |
| JP2012512528 A 20120531 | US20080333670;WO 2009US67297; | H02N11/00; H01L35/22; H01L35/34; | Titania-Half Metal Composites As High-Temperature Thermoelectric Materials |
| JP2012512811 A 20120607 | US20080139050P;W O2009US68781; | C01B31/02; | EXFOLIATED CARBON NANOTUBES, METHODS FOR PRODUCTION THEREOF AND PRODUCTS OBTAINED THEREFROM |
| JP2012512956 A 20120607 | US20080193582P;W O2009US67166; | H01M4/58; H01M4/505; C23C24/00; H01M4/36; H01M4/86; H01M8/02; H01M4/525; | MULTICOMPONENT NANOPARTICLE MATERIALS AND PROCESS AND APPARATUS THEREFOR |
| JP2012512958 A 20120607 | EP20080172290;WO 2009EP66659; | C09D11/00; C09D201/00; B22F1/00; C09D7/12; C09C1/64; C09J5/00; | THIN ALUMINUM FLAKES |
| JP2012513101 A 20120607 | US20080193509P;W O2009EP62963; | B29C59/02; H01L21/027; | IMPRINT LITHOGRAPHY APPARATUS AND METHOD |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|----------------------------------|--|--|
| JP2012513115 A 20120607 | SE20080050167;WO 2009SE51479; | B82Y30/00; H01L33/04; B82Y20/00; H01L29/06; B82Y40/00; | A NANOSTRUCTURED DEVICE |
| JP2012513510 A 20120614 | EP20080172708;WO 2009EP66574; | C09B67/16; C09B67/20; C09B67/12; C09B67/50; C09B67/04; B82Y40/00; | AN EFFICIENT PROCESS FOR PREPARATION OF COPPER PHTHALOCYANINE PARTICLES EXHIBITING EPSILON CRYSTALLOGRAPHIC FORM |
| JP2012513947 A 20120621 | KR20080133348;WO 2009KR07801; | B82Y25/00; H01F1/36; B82Y30/00; B82Y40/00; C01G49/00; B82Y5/00; A61P25/00; A61P27/02; | METHOD FOR PREPARING ENGINEERED MG DOPED FERRITE SUPERPARAMAGNETIC NANO PARTICLE EXHIBITING AC MAGNETIC INDUCTION HEATING AT HIGH TEMPERATURE AND MG DOPED FERRITE SUPERPARAMAGNETIC NANO PARTICLES ENGINEERED BY THE METHOD |
| JP2012513971 A 20120621 | ES20080003695;WO 2009ES70628; | A01N59/16; A01P3/00; B82Y40/00; C22C29/12; A01N25/12; C01B25/32; B82Y5/00; | NANOSTRUCTURED CALCIUM-SILVER PHOSPHATE COMPOSITE POWDER, METHOD FOR OBTAINING SAME, AND BACTERICIDAL AND FUNGICIDAL USES THEREOF |
| JP2012513985 A 20120621 | KR20080134539;WO 2009KR03522; | B82Y5/00; A61K9/51; A61P35/00; A61K47/32; A61K47/34; A61K47/26; A61K31/337; A61K47/10; B82Y40/00; A61K47/02; A61K9/19; A61K9/107; | PREPARATION METHOD OF POLYMERIC MICELLAR NANOPARTICLES COMPOSITION CONTAINING A POORLY WATER-SOLUBLE DRUG |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|---|--|
| JP2012514030 A 20120621 | IN2008DE02975;WO 2009IN00754; | A61K47/02; A61K8/34; A61K8/25; A61K47/38; A61K8/41; A61Q19/00; A61K47/34; A61K8/92; A61K8/81; A61K9/107; A61K8/46; A61K47/32; A61K47/20; A61K47/10; A61K36/18; B82Y5/00; A61K8/97; A61K47/18; B82Y40/00; A61K8/06; A61P17/00; A61K8/73; A61P17/10; A61K36/53; A61K8/26; A61K8/39; A61K8/86; | TOPICAL HERBAL FORMULATION FOR TREATMENT OF ACNE AND SKIN DISORDERS |
| JP2012514060 A 20120621 | GB20080023561;GB 20090013437;WO20 09GB02971; | B82Y30/00; B41J2/01; B82Y40/00; C09C3/08; C09D11/00; C09C1/62; C09C1/00; | FINE PARTICLES |
| JP2012514062 A 20120621 | US20080343909;WO 2009IB55343; | B01J19/08; B82Y30/00; B82Y40/00; C08L83/04; C08L23/02; C08J7/00; C08J7/04; | HIGH REPELLENCY MATERIALS VIA NANOTOPOGRAPHY AND POST TREATMENT |
| JP2012514071 A 20120621 | WO2008US14112; | H01L33/52; C09K11/08; C09K11/54; H01L33/50; C09K11/70; | METHODS FOR ENCAPSULATING NANOCRYSTALS AND RESULTING COMPOSITIONS |
| JP2012514242 A 20120621 | US20080141531P;W O2009US69662; | B82Y40/00; G02B1/11; | METHOD FOR MAKING NANOSTRUCTURED SURFACES |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|---|--|
| JP2012514534 A 20120628 | US20090143092P;WO O2010GB50005; | C12M1/00; B01J15/00; B01J16/00; B01J19/10; B01J19/12; G01N37/00; | DUAL MOBILE PHASE APPARATUS AND METHOD |
| JP2012514551 A 20120628 | US20100708054;WO 2010US41190; | H01L21/027; B29C59/02; | NANOIMPRINT LITHOGRAPHY |
| JP2012514571 A 20120628 | CN20091001369;W O2010CN00032; | A61P1/12; A61P13/12; A61P1/02; A61P1/04; A61P17/00; C01B33/40; A61P31/04; A61K33/06; A61P1/16; A61P5/16; | MODIFIED SODIUM- MONTMORILLONITE, PREPARING METHOD AND USES THEREOF |
| JP2012514748 A 20120628 | IT2009TO00001;WO 2009IB56004; | G01N21/64; B82Y40/00; G01N21/65; | METHOD OF MANUFACTURING AN OPTICAL DETECTION DEVICE |
| JP4849586B2 B2 20120111 | JP20000167091;JP2 0020501385;WO200 1JP04727; | A61Q17/04; C09C1/36; A61K8/27; A61K8/73; A61K8/25; A61Q19/00; A61K8/81; A61K8/29; C09C1/04; | COSMETIC PREPARATION |
| JP4850900B2 B2 20120111 | WO2006JP305866; | B01J23/745; C01B31/02; B01J23/75; B01J23/52; B01J37/02; C01B25/08; | PROCESS FOR PRODUCING CARBON NANOTUBE |
| JP4852671B2 B2 20120111 | JP20100044963;JP2 0110527092;WO201 1JP01233; | D01F9/127; | PROCESS FOR PRODUCTION OF CARBON FIBERS |
| JP4853283B2 B2 20120111 | JP20040044074;JP2 0040265269;JP2006 0510241;WO2005JP 02564; | D01F6/18; D01F11/06; C08F20/44; C09K21/14; C04B35/524; D01F11/14; C08F8/48; C01B31/02; D01F9/22; C04B35/52; C08F8/32; | SOLUTION CONTAINING FLAME-RESISTANT POLYMER AND CARBON MOLDING |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|--|--|
| JP4853839B2 B2 20120111 | JP20060067148;JP2 0080505151;WO200 7JP54901; | B01J35/02; B01J23/85; C01B31/02; | PROCESS FOR PRODUCTION OF CARBON NANOTUBE AGGREGATES, CARBON NANOTUBE AGGREGATES, CATALYST PARTICLE DISPERSION MEMBRANE, ELECTRON EMITTERS, AND FIELD EMISSION DISPLAYS |
| JP4868366B2 B2 20120201 | JP20050041427;JP2 0070503572;WO200 5JP17013; | B01J21/06; H01L31/04; B01J23/22; B01J23/75; H01M14/00; B01J23/30; B01J23/20; H01L51/42; B01J23/26; C01G23/00; C01G23/04; B01J35/02; | TITANIUM OXIDE NANOTUBE AND PROCESS FOR PRODUCING THE SAME |
| JP4870559B2 B2 20120208 | WO2005JP06532; | B01D53/86; C04B37/00; B01J35/04; C04B41/85; B01D46/00; B01D39/14; | Honeycomb structure and seal material |
| JP4870810B2 B2 20120208 | WO2007JP57267; | B29C59/02; H01L21/027; B29C33/38; | MPRINTING MOLD AND METHOD OF PRODUCING IMPRINTING MOLD |
| JP4873576B2 B2 20120208 | JP20060326347;JP2 0080547040;WO200 7JP73114; | C01G9/02; G01N21/78; G01N33/533; | FLUORESCENT LABELING AGENT AND FLUORESCENT LABELING METHOD |
| JP4874955B2 B2 20120215 | JP20050089957;JP2 0070510388;WO200 6JP305288; | C09D11/02; | PROCESS FOR PRODUCING INK COMPOSITION FOR OFFSET PRINTING, AND INK COMPOSITION FOR OFFSET PRINTING PRODUCED BY SAID PRODUCTION PROCESS |
| JP4874957B2 B2 20120215 | JP20050103727;JP2 0070512439;WO200 6JP305446; | C09C3/10; C09C1/48; C09D11/02; | PROCESS FOR PRODUCING INK COMPOSITION FOR OFFSET PRINTING AND INK COMPOSITION FOR OFFSET PRINTING PRODUCED BY SAID PRODUCTION PROCESS |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|---|--|
| JP4875203B2 B2 20120215 | JP20080046667;JP2 0100500533;WO200 8JP71030; | B29C33/30; B29C33/38; B29C59/04; B81C99/00; H01L21/027; B29C33/42; | ROLLER TYPE NANO- IMPRINT DEVICE, MOLD ROLL FOR THE ROLLER TYPE NANO-IMPRINT DEVICE, FIXED ROLL FOR THE ROLLER TYPE NANO- IMPRINT DEVICE, AND NANO- IMPRINT SHEET MANUFACTURING METHOD |
| JP4875281B2 B2 20120215 | JP20000293643;JP2 0000373580;JP2002 0530416;WO2001JP 08389; | C01B33/12; C01B33/18; C01B33/193; C08K3/36; | NON-POROUS SPHERICAL SILICA AND METHOD FOR PRODUCTION THEREOF |
| JP4877506B2 B2 20120215 | JP20040104683;JP2 0060512003;WO200 5JP05325; | H01L27/105; H01L21/8246; H01F41/30; H01F10/32; G11C11/15; H01L43/08; | Magnetization Direction Control Method And Application Thereof To Mram |
| JP4878550B2 B2 20120215 | JP20040071621;JP2 0060510966;WO200 5JP04118; | G06N99/00; B82B1/00; B82B3/00; B82Y30/00; B82Y20/00; B01J19/12; B82Y40/00; H01S5/00; H01L29/06; | Quantum Dot Manipulating Method And Quantum Dot Production/Manipulation Apparatus |
| JP4887530B2 B2 20120229 | JP20000249817;JP2 0020521609;WO200 1JP07120; | B01D43/00; C12N15/10; C08F2/44; B03C1/00; B01J19/00; H01F1/37; C09C1/24; C12N11/08; C08F220/60; B03C1/01; C08F20/60; B01J20/26; G01N33/543; C08F20/52; C12N11/14; | MAGNETIC PARTICLES AND PROCESS FOR PRODUCING THE SAME |
| JP4900619B2 B2 20120321 | JP20060110752;JP2 0070009611;JP2007 0009612;JP2007000 9641;JP2008051096 5;WO2007JP57974; | D06H5/00; D01F9/127; D02G3/16; D02G3/28; | PROCESS FOR CONTINUOUSLY PRODUCING FINE CARBON FIBER TWINE, APPARATUS THEREFOR AND FINE CARBON FIBER TWINE PRODUCED BY THE PROCESS |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|---|---|---|
| JP4909347B2 B2 20120404 | JP20060161390;JP2 0080520608;WO200 7JP61485; | H01M10/0566; H01M4/525; H01M4/36; H01M10/052; H01M4/505; H01M4/48; H01M4/52; H01M4/485; H01M4/50; | CATHODE ACTIVE MATERIAL FOR NON-AQUEOUS ELECTROLYTE SECONDARY BATTERY AND ITS PRODUCTION METHOD |
| JP4916173B2 B2 20120411 | JP20030419611;JP2 0050516386;WO200 4JP19138; | B01J35/10; B01J23/89; F01N3/10; B01D53/94; C01G55/00; B01J23/00; B01J23/58; | CATALYST COMPOSITION |
| JP4924433B2 B2 20120425 | WO2005JP23799; | C01B31/02; | METHOD OF GROWING CARBON NANOTUBE AND CARBON NANOTUBE GROWING SYSTEM |
| JP4930517B2 B2 20120516 | JP20070028268;JP2 0080557054;WO200 8JP50826; | B29C33/62; B29C59/02; H01L21/027 | IMPRINT MOLD AND METHOD FOR PRODUCTION THEREOF |
| JP4932054B1 B1 20120516 | JP20110101174;JP2 0110227470; | G21F9/06; B82Y30/00; | |
| JP4934797B2 B2 20120516 | JP20050025754;JP2 0050040532;JP2005 0053920;JP2005021 2138;JP2005027275 0;JP20050308037;J P20070501550;WO2 006JP301402; | C01B31/02; C07D213/75; C09K11/65; C07D215/38; C08G69/00; C07D217/04; C09K3/00; C07D213/40; C09K11/02; | Ionic Organic Compound |
| JP4939213B2 B2 20120523 | JP20040084003;JP2 0060511256;WO200 5JP05016; | C01B31/02; C23C14/48; C01B21/064; | Production Method of Material Film and Production Apparatus of Material Film |
| JP4941614B2 B2 20120530 | JP20090036491;JP2 0110500668;WO201 0JP52573; | C09C1/36; C08K3/22; C08L101/00; B01J13/00; C09D17/00; C09D7/12; C09D201/00; C01G23/053; | DISPERSION OF RUTILE TITANIUM OXIDE PARTICLES, METHOD FOR PRODUCING SAME AND USE OF SAME |
| JP4943851B2 B2 20120530 | JP20040268441;JP2 0050210739;JP2006 0535099;WO2005JP 15180; | B22F9/02; B22F1/00; | Metal Fine Particles and Manufacturing Method Therefor |
| JP4945763B2 B2 20120606 | JP20050144049;JP2 0070516201;WO200 5JP21299; | H01L21/027; H01J37/305; | Electron Beam Irradiation Device |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|--|---|--|
| JP4948676B2 B2 20120606 | JP20090060193;JP2 0110503863;WO201 0JP54137; | B82Y30/00; C01B31/02; B82Y40/00; | PROCESS FOR PRODUCING ORGANICALLY MODIFIED CARBON NANOTUBE |
| JP4951969B2 B2 20120613 | JP20030416516;JP2 0040317280;JP2004 0317298;JP2005051 6241;WO2004JP187 15; | H01M10/052; H01M4/131; H01M4/133; H01M10/0567; H01M4/1393; H01M4/36; H01M4/62; H01M4/134; H01M4/38; H01M4/1391; H01M10/0569; H01M4/48; H01M4/587; H01M4/1395; H01M4/13; H01M2/02; H01M4/58; H01M10/36; H01M10/0568; H01M4/485; | SECONDARY BATTERY |
| JP4956883B2 B2 20120620 | JP20010358017;JP2 0030546419;WO200 2JP12171; | H01M4/525; H01M4/52; H01M10/0525; H01M4/48; H01M4/1391; H01M4/485; H01M10/36; C01G45/00; H01M4/505; H01M4/50; H01M4/36; H01M4/131; C01G53/00; | POSITIVE ELECTRODE ACTIVE MATERIAL FOR LITHIUM SECONDARY CELL AND LITHIUM SECONDARY CELL |
| JP4957551B2 B2 20120620 | JP20050289084;JP2 0070538636;WO200 6JP309742; | C08K9/06; A61K8/29; A61Q19/00; C01G23/053; C08L101/00; | PROCESS FOR PRODUCING FINE PARTICLE OF RUTILE- FORM TITANIUM OXIDE |
| JP4958138B2 B2 20120620 | JP20030152297;JP2 0040040736;JP2004 0040852;JP2005050 6584;WO2004JP077 97; | D01F9/127; B01J23/835; B01J29/072; C01B31/02; B01J23/825; B01J23/86; B01J29/14; B01J35/02; B01J29/076; B01J27/22; B01J37/02; C01B31/30; | METHOD FOR PREPARING CARBON NANOCOIL |

| Número de publicação | Prioridade | Classificações | Título |
|-----------------------------|------------------------------------|--|---|
| JP4959723B2 B2 20120627 | WO2007JP50214; | H01L21/027; H01J37/305; H01J37/063; | ELECTRON GUN AND ELECTRON BEAM EXPOSURE DEVICE |
| JP4961561B2 B2 20120627 | US20050649145P;W O2006JP301639; | H01J1/304; B82B1/00; C01B31/02; H01J9/02; | COMPOSITE MATERIAL COMPRISING ORGANOSILICON COMPOUND AND CARBON NANOTUBE, AND PROCESS FOR PRODUCING THE SAME |
| KR20120058347 A 20120607 | KR20100120081; | C08L69/00; C08K7/02; C08K3/04; C08J5/04; | Thermo plastic complex for stiffener and Preparing method thereof |
| RU115263U U1 20120427 | RU20110137189U; | B22F3/15; B82Y40/00; | |
| RU117153U U1 20120620 | RU20110149418U | C01B21/072; B82B3/00; B82Y40/00; C30B29/38; | |
| RU2010110470 A 20120210 | JP20070334650; | C01B31/02; | CARBON NANOTUBE OR CARBON NANOFIBER PRODUCTION APPARATUS AND RECOVERY APPARATUS |
| RU2010115226 A 20120310 | JP20080020968; | C01B31/02; | CARBON NANOTUBE SYNTHESIZER |
| RU2010127735 A 20120120 | DE200710058992; | C08J5/00; | Verfahren zur Herstellung eines leitfähigen Polycarbonatverbundmaterials |
| RU2010130529 A 20120127 | US20070963380;US 20080167863; | C09D183/02; | HYBRID METAL OXIDES |
| RU2010132429 A 20120210 | US20080018899P; | C09C1/04; | SURFACE MODIFICATION OF METAL OXIDE NANOPARTICLES |
| RU2010132691 A 20120210 | GB20080000081; | A01N63/02; | SILVER NANOPARTICLES WITH SPECIFIC SURFACE AREA AND A METHOD FOR PRODUCING THEM |
| RU2010133891 A 20120227 | JP20080010397; | C01B31/02; | APPARATUS FOR PRODUCING CARBON NANOTUBE |
| RU2010136285 A 20120310 | EP20080150726; | B01J37/16; | Process for the preparation of an aqueous colloidal precious metal suspension |
| RU2010138584 A 20120410 | US20080031333P; | H01L21/18; | DEPOSITION AND SELECTIVE REMOVAL OF CONDUCTING HELPLAYER FOR NANOSTRUCTURE PROCESSING |

| Número de publicação | Prioridade | Classificações | Título |
|----------------------------|-----------------|---|---|
| RU2010139474 A 20120410 | EP20080152016; | H05B33/22; | HIDDEN ORGANIC OPTOELECTRONIC DEVICES WITH A LIGHT SCATTERING LAYER |
| RU2010140616 A 20120410 | FR20080001203; | C01G23/047; | COMPOSITION A BASE D'UN OXYDE DE ZIRCONIUM, D'UN OXYDE DE TITANE OU D'UN OXYDE MIXTE DE ZIRCONIUM ET DE TITANE SUR UN SUPPORT EN ALUMINE, PROCÉDES DE PREPARATION ET UTILISATION COMME CATALYSEUR |
| RU2010146639 A 20120527 | US20080045667P; | A61N1/00; | HYBRID SCIENTIFIC COMPUTER SYSTEM FOR PROCESSING CANCER CELL SIGNALS AS MEDICAL THERAPY |
| RU2010146663 A 20120527 | EP20090014376; | C01B31/00; | Method of synthesis of a fulleride of metal nano-cluster and material comprising a fulleride of metal nano-cluster |
| RU2010152416 A 20120627 | RU20100152416; | C30B29/62; C30B30/00; B82B3/00; B82Y40/00; C30B29/16; | |
| XP001576529 A 20120313 | | C01B31/043; C01B31/0469; B82Y30/00; B82Y40/00; G01N27/407; H01M6/34; H01M8/16; H01M8/04276 | Greener Electrochemical Synthesis of High Quality Graphene Nanosheets Directly from Pencil and its SPR Sensing Application |
| XP055020772 A 20120307 | | C01B31/0253; B82Y30/00; B82Y40/00; D02G3/16; D01F9/127; C01B31/0273; D10B2101/122 | Catalytic Twist-Spun Yarns of Nitrogen-Doped Carbon Nanotubes |

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ANEXO 1: CÓDIGOS DOS PRINCIPAIS PAÍSES

| Código | País | Código | País |
|--------|---|--------|--|
| AR | Argentina | IN | Índia |
| AT | Áustria | IS | Islândia |
| AU | Austrália | IT | Itália |
| BE | Bélgica | JP | Japão |
| BG | Bulgária | KR | República Da Coreia |
| BR | Brasil | LU | Luxemburgo |
| BS | Bahamas | LV | Letônia |
| CA | Canadá | MA | Marrocos |
| CH | Suíça | MD | Republica Moldova |
| CN | China | MX | México |
| CY | Chipre | NL | Holanda |
| CZ | República Tcheca | NO | Noruega |
| DE | Alemanha | NZ | Nova Zelândia |
| DK | Dinamarca | OA | African Intellectual Property Organization (OAPI) ¹ |
| DZ | Argélia | PH | Filipinas |
| EA | Organização de Patentes da Eurásia (EAPO) ¹ | PL | Polônia |
| EE | Estônia | PT | Portugal |
| EG | Egito | RO | Romênia |
| EP | Organização Européia de Patentes (EPO) ¹ | RU | Federação Russa |
| ES | Espanha | SE | Suécia |
| FI | Finlândia | SG | Singapura |
| FR | França | SI | Eslovênia |
| GB | Reino Unido | SK | Eslováquia |
| GR | Grécia | TR | Turquia |
| HK | Região Administrativa Especial de Hong Kong Da República Popular da China | TW | Taiwan |
| HR | Croácia | UA | Ucrânia |
| HU | Hungria | US | Estados Unidos |
| ID | Indonésia | WO | Organização Mundial de Propriedade Intelectual (WIPO) ² |
| IE | Irlanda | ZA | África do Sul |
| IL | Israel | | |

Fonte: <http://www.wipo.int/export/sites/www/scit/en/standards/pdf/030301.pdf>, acesso: janeiro 2012

¹ A OAPI é um organismo intergovernamental encarregado de emitir títulos de proteção dos direitos de propriedade industrial e de prestar serviços relacionados com a propriedade industrial para cada um dos Estados-Membros. Aplica uma legislação uniforme que tem lugar de lei nacional para cada um dos Estados-Membros: o Acordo de Bangui. Esses títulos de proteção têm efeito automático em cada um dos seguintes Estados-Membros: Benim, Burquina Faso, Camarões, África Central, Congo, Costa do Marfim, Gabão, Guiné, Guiné Bissau, Guiné Equatorial, Mali, Mauritânia, Nigéria, Senegal, Chade e Togo.

² O código "WO" é utilizado para a publicação internacional dos pedidos depositados via Tratado de Cooperação em Matéria de Patentes (PCT) em qualquer um dos países receptores destes pedidos.