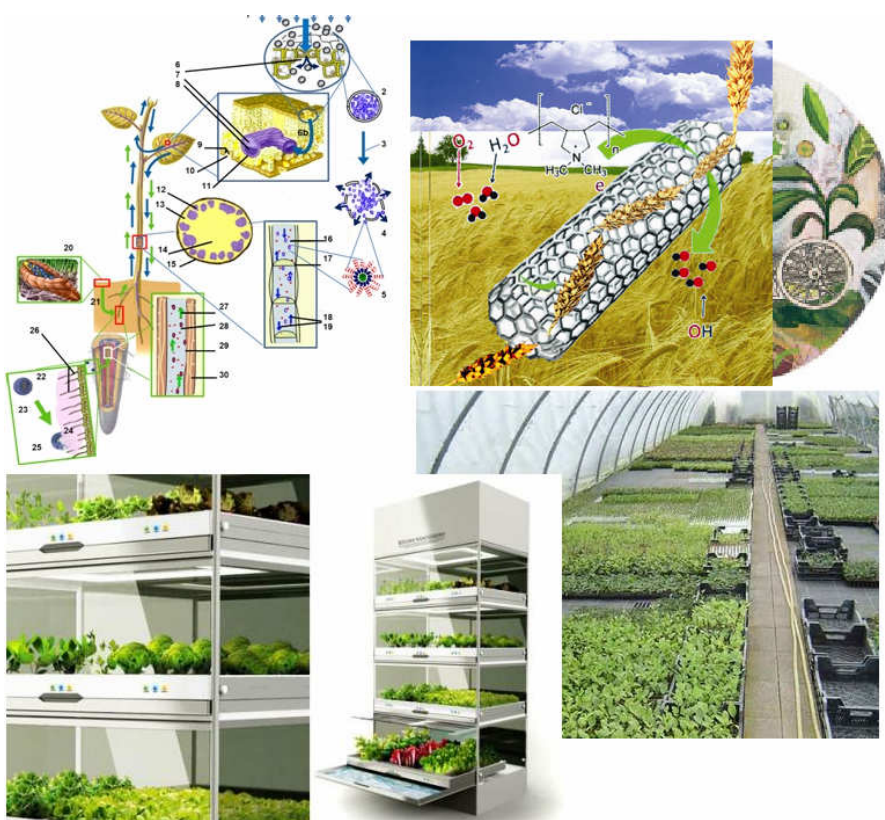


Pedidos de Patente sobre Nanotecnologia na Agricultura nº 2



Fonte da imagem: www.google.com/advanced_image_search

Pedidos publicados no
2º semestre de 2011

Diretoria de Cooperação para o Desenvolvimento – DICOD
Centro de Disseminação da Informação Tecnológica – CEDIN
Coordenação de Estudos e Programas – CEPRO
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Ficha catalográfica elaborada pela Biblioteca Economista Cláudio Treiguer – INPI

N972p Nunes, Jeziel

Pedidos de patentes sobre nanotecnologia na agricultura nº 2: (Pedidos Publicados no 2º semestre de 2011)/ Jeziel Nunes; Coordenação: Luci Mary Gonzalez Gullo. Rio de Janeiro: Instituto Nacional da Propriedade Industrial, Diretoria de Cooperação para o Desenvolvimento - DICOD, Centro de Disseminação da Informação Tecnológica – CEDIN, Coordenação de Estudos e Programas – CEPRO, 2012.

386 p.; il.; tabs. – (Alerta Tecnológico; 77)

1. Propriedade Industrial – Nonomateriais 2. Patente - Nanomateriais
I. Instituto Nacional da Propriedade Industrial (Brasil). II. Gonzalez Gullo, Luci Mary

CDU: 347.771(81)

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- A partir deste Alerta Tecnológico, além do número sequencial de todos os alertas publicados (nº 77), constará, também, o número relativo ao assunto específico de cada alerta, após seu título. Neste caso: “Pedidos de Patente sobre Nanotecnologia na Agricultura – nº 02”.

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), mantém um acervo com a descrição dos pedidos de patente e de registros de desenho industrial. Uma de suas atribuições é divulgar e disseminar a utilização destas informações bibliográficas e técnicas. 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 patente.

A patente é uma importante fonte formal de informação, por meio da qual pode-se ter acesso a detalhes técnicos de invenções que, em alguns casos, não estão descritos em outros meios de divulgação (livros, artigos técnicos, etc.).

O objetivo desta publicação semestral, é o de alertar sobre os principais depositantes de patente em determinado setor e período de tempo, os países onde o primeiro depósito foi solicitado (país de prioridade), as áreas tecnológicas mais solicitadas e de divulgar os títulos dos pedidos de patente publicados mundialmente em determinado período. Desta forma, busca-se contribuir para a atualização periódica do público alvo deste Alerta Tecnológico.

Mais detalhes sobre cada pedido de patente como resumo, nome(s) do(s) inventor(es), cópia do documento completo etc. podem ser obtidos nas seguintes bases de patente disponíveis gratuitamente na internet:

1. Base Brasileira de Pedidos de Patente¹: <http://www.inpi.gov.br>
2. Base do Escritório Europeu de Patentes²: <http://worldwide.espacenet.com>
3. Base do Escritório Americano de Patentes³: <http://www.uspto.gov>

Caso haja interesse em se conhecer o(s) depósito(s) de patente no Brasil, correspondente(s) (família do pedido de patente⁴) aos pedidos de patente estrangeiros listados na Tabela nº 3, sugere-se uma busca de família dos pedidos de interesse. Neste caso, o Centro de Documentação do INPI – CEDIN informará os procedimentos a serem seguidos. Abaixo, seguem endereço e formas de contatar o 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.

¹Esta base contém somente pedidos de patente depositados e publicados no Brasil a partir de 1982.

²Contêm pedidos de patente depositados e publicados em mais de 70 países.

³Contêm somente pedidos depositados e publicados nos Estados Unidos.

⁴Uma família de patentes é a coleção de documentos de patente relacionados à mesma invenção ou a invenções correlacionadas, publicados em diferentes países. Cada documento de patente da família baseia-se, normalmente, nos dados do primeiro pedido depositado no país da prioridade. Existem diferentes estruturas de famílias de patente. Para este Alerta, o termo família de patente refere-se ao conceito de “família simples”, na qual todos os documentos de patente têm em comum o número e a data da prioridade unionista (WIPO, 2008).

1.2- PEDIDOS DE PATENTE SOBRE NANOAGRO

Nesta publicação são abordados aspectos da “Nanotecnologia Aplicados à Agricultura - NANOAGRO”. Esta nova abordagem substitui a anteriormente adotada na série de alertas publicados desde fevereiro de 2009, que versava sobre Nanotecnologia Geral com uma visão mais generalista do tema.

Tal alteração é motivada em decorrência do elevado e crescente número de documentos depositados no setor Nanotecnologia Geral que tem dificultando a análise da grande massa de dados de forma mais objetiva.

Diante deste cenário, e dado a escassez de levantamentos relacionados aos documentos de patente publicados sobre Nanotecnologia aplicada a agricultura - Nanoagro, o INPI vem, por meio da CEPRO, disponibilizar ao público interessado o acesso a informações extraídas do sistema de patentes.

Já neste trabalho observa-se que o número de pedidos publicados relacionados à Nanoagro tem aumentado significativamente, comparável a taxa de crescimento encontrada nas informações divulgadas por meios não patentários. Pode-se observar que apesar de ser uma tecnologia ainda em desenvolvimento fica evidenciada a opção pela utilização do sistema de Propriedade Industrial face demanda de pedidos depositados.

Este Alerta Tecnológico tem como objetivo divulgar os novos pedidos de patente sobre Nanoagro publicados no mundo em um intervalo de seis meses.

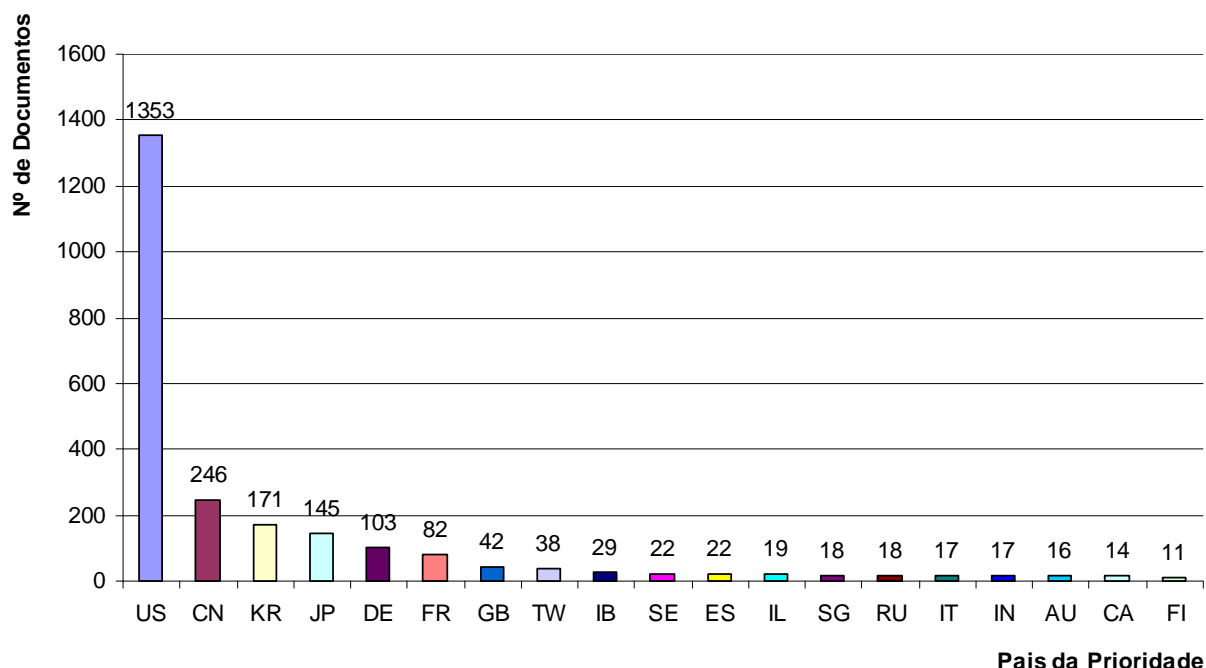
Para efetuar o presente levantamento foram selecionados os documentos de patente contendo, em seu título ou resumo, palavras-chave formadas por vocábulos grafados na língua inglesa e que são referentes aos assuntos de interesse. Essas palavras foram truncadas em posições que permitissem recuperar o máximo de documentos. Os resultados destas buscas foram cruzados com as classificações do sistema de Classificação Internacional de Patentes – CIP específicas para cada segmento selecionado.

2- RESULTADOS

No semestre pesquisado, foram selecionados **3262** documentos de patente que abordam tecnologias relacionadas à nanotecnologia aplicadas à agricultura, mais que o dobro do semestre anterior (1454). De acordo com o gráfico nº 1, pode-se identificar os países* de prioridade (país onde foi realizado o primeiro depósito do pedido de patente) observando-se também a ocorrência de documentos em cada país. De acordo com este gráfico os cinco principais países de prioridade são: Estados Unidos da América, China, Coréia, Japão e Alemanha. Embora constem do ranking os depósitos WO e EP estes não foram relacionados por não serem países.

Observa-se certa liderança dos Estados Unidos, e também o surgimento da China neste cenário. A partir dos resultados apresentados neste gráfico pode-se inferir que as tecnologias estão sendo desenvolvidas, principalmente, nos países indicados, já que geralmente os depositantes solicitam a prioridade a partir de seus países de origem. Alternativamente isso poderia indicar o interesse do primeiro depósito nos mercados destes países.

Gráfico 1: Países de prioridade dos pedidos de patente recuperados x número de documentos



Fonte: INPI

De acordo com o gráfico nº 1 os cinco principais países de prioridade são:

- US – Estados Unidos da América,
- CN – China,
- KR – Coréia,
- JP – Japão,
- DE - Alemanha.

O gráfico nº 2 permite o identificar as principais tecnologias relacionadas ao tema, descritas nos pedidos de patente publicados no período. Para este levantamento, foram computadas somente as classificações presentes em mais de 10 documentos.

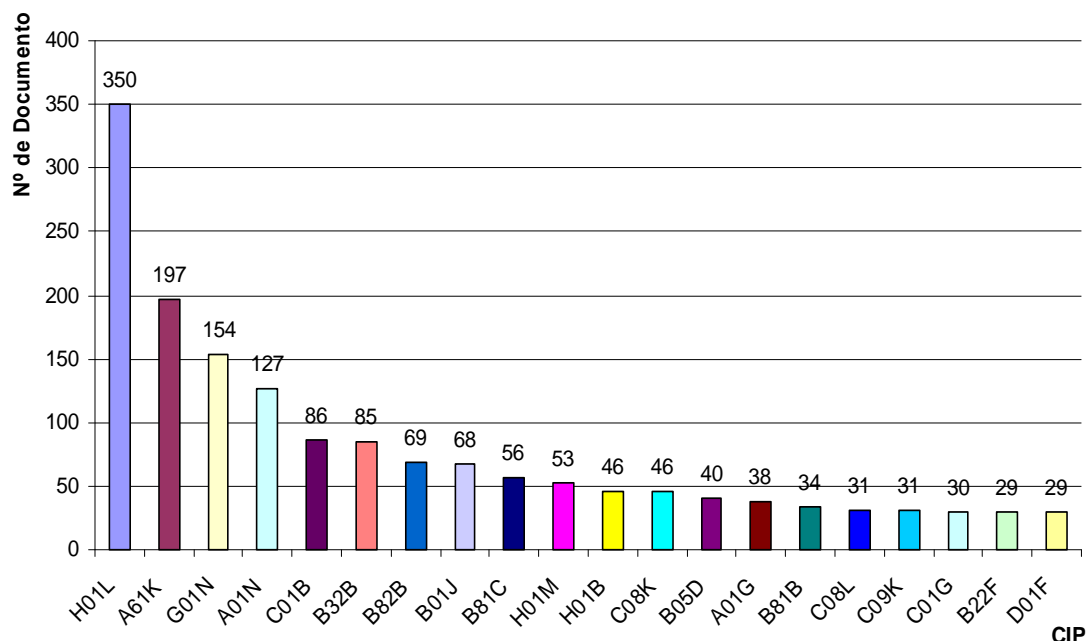
Analisando o gráfico nº 2, verifica-se que as cinco maiores incidências dizem respeito a: 350 ocorrências da classificação H01L que está relacionada a “Dispositivos semicondutores dispositivos elétricos em estado sólido não incluído em outro local”; 197 ocorrências na A61K referente a “Preparações para finalidades médicas, odontológicas ou higiênicas”; 157 ocorrências na G01N referente a “Investigação ou análise dos materiais pela determinação de

suas propriedades químicas ou físicas”; 137 ocorrências na A01N referente a conservação de corpos de seres humanos ou animais ou plantas ou partes dos mesmos; biocidas, por ex., como desinfetantes, como pesticidas ou como herbicidas; repelentes ou atrativos de pestes; reguladores do crescimento de plantas; 86 ocorrências na C01B referentes a conservação de corpos de seres humanos ou animais ou plantas ou partes dos mesmos; biocidas, por ex., como desinfetantes, como pesticidas ou como herbicidas; repelentes ou atrativos de pestes; reguladores do crescimento de plantas, 85 ocorrências na B32B referentes a produtos em camadas e 69 ocorrências na B82B classificação específica para nanotecnologia; 68 ocorrências na B01J referente a Processos químicos ou físicos ; 56 ocorrências na B81C referente a Processos ou aparelhos especialmente adaptados para a fabricação ou tratamento de dispositivos ou sistemas de microestrutura; 46 ocorrências na H01B referente a Cabos condutores isoladores utilização de materiais específicos devido as suas propriedades condutoras, isolantes ou dielétricas; 46 ocorrências na C08K referente a Composições de compostos macromoleculares; 40 ocorrências na B05D referente a Processos para aplicação de líquidos ou de outros materiais fluentes a superfícies em geral; 38 ocorrências na A01G referente a horticultura; cultivo de vegetais, flores, arroz, frutas, vinhas, lúpulos ou algas; silvicultura; irrigação; 34 ocorrências na B81B referente a dispositivos ou sistemas de microestrutura, p. ex., dispositivos micromecânicos; 31 ocorrências na C08L referente a Composições de compostos macromoleculares; 31 ocorrências na C09K referente a Materiais para aplicações diversas, não incluídas em outro local aplicações de materiais não incluídos em outro local; 30 ocorrências na C01G referente a compostos contendo metais não abrangidos pelas subclasses C01D ou C01F; 29 ocorrências na B22F referente a trabalho mecânico com pó metálico; fabricação de artigos a partir de pó metálico; fabricação de pó metálico e 29 ocorrências na D01F referente a Características químicas da manufatura de filamentos, linhas, fibras, cerdas ou fitas artificiais; aparelhos especialmente adaptados para a manufatura de filamentos de carbono.

Daí pode-se depreender que a grande maioria dos documentos de patente relacionados à Nanoagro estão distribuídos por diversas áreas

tecnológicas não havendo ainda a predominância de uma delas. Comparando-se com a evolução da Nanotecnologia Geral, verifica-se que a Nanoagro também apresenta uma tendência de crescimento contínuo.

Gráfico 2: Classificações Internacionais de patentes (CIP) x número de ocorrências



Fonte: INPI

- H01L – Dispositivos semicondutores dispositivos elétricos em estado sólido não incluído em outro local
- A61K – Preparações para finalidades médicas, odontológicas ou de toalete
- G01N – Investigação ou análise dos materiais pela determinação de suas propriedades químicas ou físicas
- A01N – conservação de corpos de seres humanos ou animais ou plantas ou partes dos mesmos; biocidas, por ex., como desinfetantes, como pesticidas ou como herbicidas; repelentes ou atrativos de pestes; reguladores do crescimento de plantas
- C01B – Elementos não metálicos seus compostos
- B32B – Produtos em camadas
- B82B – Nano estruturas formadas por manipulação individual de átomos, moléculas, ou grupos limitados de átomos ou moléculas como unidades discretas; fabricação ou seu tratamento
- B01J – Processos químicos ou físicos
- B81C – Processos ou aparelhos especialmente adaptados para a fabricação ou tratamento de dispositivos ou sistemas de microestrutura
- H01M – processos ou meios, p. ex., baterias, para a conversão direta da energia química em energia elétrica
- H01B – Cabos condutores isoladores utilização de materiais específicos devido as suas propriedades condutoras, isolantes ou dielétricas

- C08K – Composições de compostos macromoleculares
- B05D – Processos para aplicação de líquidos ou de outros materiais fluentes a superfícies em geral
- A01G – horticultura; cultivo de vegetais, flores, arroz, frutas, vinhas, lúpulos ou algas; silvicultura; irrigação
- B81B – dispositivos ou sistemas de microestrutura, p. ex., dispositivos micromecânicos
- C08L – Composições de compostos macromoleculares
- C09K – Materiais para aplicações diversas, não incluídas em outro local
- C01G – aplicações de materiais não incluídos em outro local
- C01G – compostos contendo metais não abrangidos pelas subclasses C01D ou C01F
- B22F – trabalho mecânico com pó metálico; fabricação de artigos a partir de pó metálico; fabricação de pó metálico
- D01F – Características químicas da manufatura de filamentos, linhas, fibras, cerdas ou fitas artificiais; aparelhos especialmente adaptados para a manufatura de filamentos de carbono

Na tabela nº 1, a seguir, são identificados os depositantes com maior número de pedidos de patente publicados no período. A primeira coluna contém os nomes dos depositantes, a segunda o país de origem e a terceira o total de documentos recuperados no período para cada titular.

Tabela 1: Relação dos principais titulares e nº de pedidos de patente publicados no 1º semestre de 2011

Depositante(s)	País	Nº de Documentos
IBM	US	44
SAMSUNG ELECTRONICS CO LTD	US	43
UNIV CALIFORNIA	FR	43
MASSACHUSETTS INST TECHNOLOGY	KR	32
COMMISSARIAT ENERGIE ATOMIQUE	US	26
CENTRE NAT RECH SCIENT	DE	22
BASF SE	TW	20
SUZHOU SETEK TECHNOLOGY CO LTD	US	19
HON HAI PREC IND CO LTD	FR	17
NANOSYS INC	DE	17
AGENCY SCIENCE TECH & RES	US	16
UNIV NORTHWESTERN	TW	14
HARVARD COLLEGE	US	13
NAT UNIV TSINGHUA	CN	13
BAYER MATERIALSCIENCE AG	US	12
UNIV RICE WILLIAM M	US	12
UNIV TEXAS	SG	12
CALIFORNIA INST OF TECHN	US	11
UNIV TSINGHUA	US	11
3M INNOVATIVE PROPERTIES CO	US	10

Fonte: INPI

Pode-se visualizar na tabela anterior a presença predominante de depositantes americanos. Verifica-se, também, a existência de várias universidades e, seguindo a mesma tendência observada nos Alertas de Nanotecnologia Geral, publicados anteriormente, observa-se a presença de empresas entre os principais depositantes, o que pode significar o início do surgimento de tecnologias de uso comercial.

Na tabela nº 2, são apresentados os dados bibliográficos dos pedidos de patente relacionados à nanoagro, depositados no Brasil e pertencentes às famílias dos documentos recuperados no período. Verifica-se que, no período, foi publicado apenas um pedido de patente com prioridade brasileira: BRPI0804820, depositado por Oxiteno S.A.

Tabela 2: Dados bibliográficos dos pedidos de patente relacionados à nanoagro depositados no Brasil

Número de Publicação	Prioridade	Depositantes	Classificação	Título
BRPI0710422 A2 20110809	US20060433087;W O2007US67169	GEN ELECTRIC;	A01B71/08;	Dispositivo teroeletrico de pequena dimensão fabricado através decorrosão química de bolacha de semi condutor
BRPI0804820 A2 20110830	BR2008PI04820;	OXITENO S. A. IND E COM;	A01N33/04; A01N55/02; A01P3/00; A01N25/30; A01N31/02; A01N43/653; A01N37/18; A01N41/04;	Formulações agroquímicas dispersíveis em água
BRPI0614148 A2 20110309	US20050703525P; US20050730529P; WO2006US29743;	DOW AGROSCIENCES LLC;	A01N39/02; A01N25/34; A01N43/40; A01P13/00; A01N25/04; A01P3/00; A01P7/00; A01N39/04; A01N57/16; A01N25/30; A01N37/06;	Composições para uso na agricultura compreendendo uma emulsão de óleoem água baseada em glóbulos oleosos revestidos com um revestimento lamelar de cristal líquido
BRPI0615286 A2 20110517	DE200510042023; DE200610023481; WO2006EP65878;	THOR GMBH;	A01N43/80; A01N59/16;	Composição biocida, seu uso, bem como produto, e seu processo de produção
BRPI0708577 A2 20110531	EP20060110745;W O2007EP52081;	JANSSEN PHARMACEUTICA NV;	A01P3/00; A01N59/16; B27K3/52; A01N43/50;	Combinações de imazalil e compostos de prata

Número de Publicação	Prioridade	Depositantes	Classificação	Título
BRPI0618870 A2 20110913	EP20050025439;W O2006EP68761	NESTEC SA;	A23L1/22; A61K9/107; A61K8/06; A61K9/113;	Emulsão de óleo-em-água e seu uso para a distribuição de funcionalidade
BRPI0620628 A2 20111116	US20050751668P; WO2006IB04140;	PHILIP MOORIS PRODUCTS S A;	A24B15/28; A24D3/16;	Composição de enchimento picado, artigo de fumo e processo de produção do mesmo
BRPI0714177 A2 20110503	GB20060013925;W O2007EP56562	UNILEVER NV;	A61K31/496; A61K9/16; A61K47/00; A01N31/16;	Processo de preparo de composição biocida, composição biocida livre de solventes, dispersão aquosa, processo para o tratamento de um substrato, processo para a distribuição de um biocida e uso da composição
BRPI0709296 A2 20110705	DE200610011507; WO2007EP01675;	LOHMANN THERAPIE SYST LTS;	A61K47/48; A61K31/451;	Nano partículas carregadas com agentes ativos, método para produzir nano partículas carregadas com um agente ativo e uso de nano partículas carregadas com agentes ativos
BRPI0619938 A2 20111025	US20050751172P; WO2006US62118;	UNIV KANSAS;	A61K47/48; A61K9/16; A61K9/51; A61K49/04; C08J5/00;	Nano agrupamentos para envio de terapêuticos
BRPI0616007 A2 20110531	KR20050064778;W O2006KR00493	KOREA RES INST OF BIOSCIENCE;	A61K8/19;	Composto de pigmento cosmético contendo nano-partículas de ouro ou prata
BRPI0613420 A2 20110531	US20050186510;W O2006US28090	COLGATE PALMOLIVE CO;	A61K8/27; A61Q11/00;	Composição oral, filme, dentífrico, artigo para o cuidado oral, e, método de manutenção ou promoção da saúde de humano ou animal
BRPI0619134 A2 20110913	US20050741139P; WO2006US46236;	UNIV MASSACHUSETTS LOWELL;	A61K9/00;	Nanoemulsão, composição farmacêutica, e, métodos de administração da toxina botulínica transdermicamente a um indivíduo, de tratamento de, e de retardar o início das, rugas, linhas faciais e/ou linhas do pescoço, e de fabricação de uma nanoemulsão
BRPI0614679 A2 20110412	US20050200668;U S20050201353;WO 2006US31080	DIRECTA PLUS PATENT & TECHNOLOGY LTD;	B01J19/00; B22F9/00; B01J37/02;	Produção contínua de nanopartículas metálicas

Número de Publicação	Prioridade	Depositantes	Classificação	Título
BRPI0614682 A2 20110412	US20050200669;U S20050201352;US 20050201355;WO2 006US31081	DIRECTA PLUS PATENT & TECHNOLOGY LTD;	B01J23/00;	Processo e aparato para a produção de materiais de catalisador construído
BRPI0614681 A2 20110412	US20050200965;U S20050200966;US 20050200985;WO2 006US31082	DIRECTA PLUS PATENT & TECHNOLOGY LTD;	B01J23/00;	Processo e aparelho para produção de materiais de suporte revestidos de catalisador
BRPI0616051 A2 20110607	DE200510045666; WO2006EP08713;	ITN NANO VATION AG;	B22C1/18; C04B35/478;	Camada ou revestimento e uma composição para a produção da mesma
BRPI0707602 A2 20110510	US20060771306P; US20060771504P; WO2007US03390;	ACRYMED INC;	B32B15/02; B22F7/08; B05D3/10; B05D3/04; B22F7/04;	Métodos de tornar uma superfície elastomérica eletricamente condutiva, artigo, método de tornar um artigo ou superfície que contata um fluido resistente à formação de biofilme e nanopartícula de metal
BRPI0609340 A2 20111220	US20050664953P; WO2006CA00458;	INST NAT RECH SCIENT;	B82B1/00; B82B3/00;	Métodos e aparelhos para o acúmulo de estruturas filamentosas nanométricas
BRPI0707932 A2 20110531	US20060773538P; WO2007US04182;	ISTVAN RUDYARD LYLE;	B82B1/00; C01B3/08; B82B3/00; H01M4/58;	Carbonos ativados mesoporosos
BRPI0621262 A2 20111206	IL20050172838;W O2006IL01470;	JOMA INTERNAC AS;	C01B13/36;	Métodos para a produção de nanopartículas de óxido de metal com propriedades controladas, e nanopartículas e preparações produzidas por meio das mesmas
BRPI0621282 A2 20111206	IL20050172837;W O2006IL01469;	JOMA INTERNAT AS;	C01B13/36;	Métodos para a produção de nanopartículas de óxido metálico, e nanopartículas e preparações produzidas deste modo

Número de Publicação	Prioridade	Depositantes	Classificação	Título
BRPI0619636 A2 20111004	FR20050013230;U S20060764051P;W O2006FR51423;	ARKEMA FRANCE;	C01B31/02; C09C1/44; H01G9/042; H01C1/14; C09D5/24;	Processo para síntese de nanotubos de carbono
BRPI0708373 A2 20110607	US20060405280;W O2007EP51062	ALTANA ELECTRIAL INSULATION GMBH;	C01F7/02; H01B7/02; C09D201/06; C09C1/40; B01F17/00;	Método de preparar dispersão estável de nano-alumina derivada desol e método de revestimento de fio
BRPI0616884 A2 20110705	US20050246372;W O2006IB53597;	PUR WATER PURIFICATION PROD;	C02F1/28;	Filtros para água e métodos incorporando partículas de carvão ativado e nanofilamentos de carbono superficiais
BRPI0706600 A2 20110329	US20060759457P; WO2007US01226;	PPG IND OHIO INC;	C03C14/00; C23C14/00; B22F1/00; C23C14/22; B22F9/02; C03C1/00;	Métodos para produção de partículas, nanopartículas e para revestir um líquido iônico, composições, filme e aparelho para produção de partículas
BRPI0706382 A2 20110322	US20060328384;W O2007US00435	MOMENTIVE PERFORMANCE MAT INC;	C03C27/10; C08L83/04; C09K3/10; C03C17/30;	Unidade de vidro isolada possuindo composição contendo siloxano curável em temperatura ambiente de permeabilidade reduzida a gás
BRPI0707159 A2 20110426	US20060336950;W O2007US01236	MOMENTIVE PERFORMANCE MAT INC;	C08J5/00; C08K3/34; E06B3/663; C03C27/10; C08L83/04; C09K3/10;	Unidade de vidro isolada com composição vedante tendo reduzida permeabilidade a gás

Número de Publicação	Prioridade	Depositantes	Classificação	Título
BRPI0617623 A2 20110802	US20050252921;W O2006EP67451	ALTANA ELEC INSULATION GMBH;	C08K3/36; C08K3/22; H01B3/42; C09D7/12; H01B3/40; C09D5/08;	Revestimento aperfeiçoado para dispositivo eletromagnético, processopara produzir revestimento para dispositivo eletromagnético
BRPI0708587 A2 20110607	US20060276620;W O2007US04295	3M INNOVATIVE PROPERTIES CO;	C08K7/22; C08K3/04; C08L27/00; C08L27/12;	Compósitos de polímero
BRPI0614329 A2 20110322	US20050706469P; WO2006US30609;	CABOT CORP;	C08L23/08; H01B1/24; C08J5/00; C08K3/04; C08K7/06;	Composições poliméricas contendo nanotubos
BRPI0619221 A2 20110920	FR20050012188;F R20060003489;US 20060785362P;WO 2006FR51258;	ARKEMA FRANCE;	C08L33/00; C08K3/04; C08L23/08;	Composição pulverulenta a base de nanotubos de carbono, seusprocesso de obtenção e suas utilizações, especialmente em materiais poliméricos
BRPI0706696 A2 20110405	US20060336948;W O2007US01235	MOMENTIVE PERFORMANCE MAT INC;	C08L83/04; C08G77/04; C08K9/04; C08K3/34;	Nanocompósito inorgânico e orgânico
BRPI0620402 A2 20111116	FR20050054076;W O2006FR51373	SAINT GOBAIN TECHNICAL FABRICS;	C09C1/00; C09C3/12; C09C1/42;	Processo de preparação de nanopartículas em lamelas, e,nanopartículas em lamelas

Número de Publicação	Prioridade	Depositantes	Classificação	Título
BRPI0617107 A2 20110712	US20050711130P; WO2006US32731;	DU PONT;	C09D7/12; C08K5/098; C08K3/36; C08K5/057; C08L75/06; C08K9/04; C09C1/30; C09D151/10;	Nanopartícula modificada e composição de revestimento
BRPI0619635 A2 20111004	DK20050001755;W O2006DK00706	SCF TECHNOLOGIES AS;	C23C18/12; C01G23/047; C01G25/00; B01J13/00; B01J13/02; C01G1/02; C01G25/02;	Produção de materiais de tamanho nano
BRPI0618007 A2 20110816	IT2005PN00079;IT 2006MI01252;WO2 006EP67676;	AKUATECH S R L;	C25B11/04; H01M4/04; C02F1/461;	Solução aquosa altamente estável, eletrodo com nanorevestimento para preparação de solução e método de fabricação deste eletrodo
BRPI0806183 A2 20110830	FR20070000053;W O2008IB00009;	RHODIA STER FIPACK S A;	D01F6/60; D01D5/00; D01F6/90; D01F1/10;	Processo de obtenção de artigo contendo nanofibras e artigão-tecido contendo nanofibras
BRPI0611821 A2 20111220	EP20050090170;E P20060090012;US 20060744652P;WO 2006EP05760;	GILUPI GMBH;	G01N21/55; G01N33/543;	Nanossensor para diagnóstico, método para produzir o mesmo, uso mesmo, método de detecção
BRPI0806510 A2 20110913	EP20070100977;W O2008EP50602	THOMSON LICENSING;	G11B7/257;	Meio para armazenamento óptico com uma camada de máscara que fornece efeito de campo próximo com super-resolução e método da respectiva fabricação
BRPI0611310 A2 20110419	US20050139690;W O2006US20941	UNIV ALABAMA;	H01F1/00;	Métodos de preparação de lâminas e filmes de alta orientação contendo nanopartículas através da utilização de líquidos iônicos, e as lâminas e os filmes produzidos por estes

Número de Publicação	Prioridade	Depositantes	Classificação	Título
BRPI0706644 A2 20110405	US20060759585P; WO2007EP50512;	SPARKXIS B V;	H01L33/00; C08K9/06; C09C1/36; C08K3/22; B22F1/00; C09D7/12;	Materiais monoméricos e poliméricos

A tabela nº 3 a seguir apresenta o número do pedido, com sua(s) prioridade(s), o(s) nome(s) depositante(s), a classificação internacional atribuída ao documento e seu título.

Tabela 3: Dados bibliográficos dos pedidos de patente relacionados à Nanoagro publicados no 2º semestre de 2011

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011061139 A1 20110310	US20090554825;			Method to measure 3 component of the magnetic field vector atnanometer resolution using scanning hall probe microscopy
SG171747 A1 20110728	US20080336889; WO2009US66238;	3M INNOVATIVE PROPERTIES CO;		Light extraction film with nanoparticle coatings
SG174995 A1 20111128	SG20090002179; SG20110007134; WO2010SG00124 ;	AGENCY SCIENCE TECH & RES;		Nanostructured metals
IL179006 A 20110731	US20040570907P ;US20040616793 P;WO2005US166 38;	ANITA GOEL;		Nano-pcr: methods for nucleic acid amplification and detection
SG173040 A1 20110829	EP20090001308; WO2010EP00220;	BAYER MATERIALSCIENCE AG;		Method for introducing carbon particles into a polyurethane surfacelayer
SG169994 A1 20110429	DE200610007147;	BAYER MATERIALSCIENCE AG;		Process for the continuous production of catalysts
SG172041 A1 20110728	DE200810063727; WO2009EP08699;	BAYER TECHNOLOGY SERVICES GMBH;		Electrochemical method for reducing molecular oxygen
SG173398 A1 20110829	US20060831772P ;US20070908582 P;US2007090858 4P;	BIONANOMATRIX INC;		Nanonozzle device arrays: their preparation and use formacromolecular analysis

Número de Publicação	Prioridade	Depositantes	Classificação	Título
SG175853 A1 20111229	US20090175745P; WO2010US33618;	CAMBRIOS TECHNOLOGIES CORP;		Reliable and durable conductive films comprising metalnanostructures
SG176027 A1 20111229	RU20090117737; WO2010EP56636;	CLOSED STOCK COMPANY INST OF APPLIED NANOTECHNOLOGY;FONDSALVAT ORE MAUGERI CLINICA DEL LAVORO E DELLA RIABILITAZIONE I R C C S;SIB LAB LTD;		Nanostructural composition of biocide and process of obtainingnanostructural biocide nanocomposition
SG175605 A1 20111128	US20060861872P;	DOW GLOBAL TECHNOLOGIES INC;TEXAS A & M UNIV SYS;		Intercalation agent free compositions useful to makenanocomposite polymers
ITTO20100240 A1 20110930	IT2010TO00240;	FOND ISTITUTO ITALIANO DI TECNOLOGIA;		Tecnica di stabilizzazione di soluzioni di nanoparticelle di diossido di titanio in polimeri acrilati tramite irradiazione uv con laser ad impulsi brevi
SG176491 A1 20111229	US20080125030;	GLOBALFOUNDRIES SG PTE LTD;UNIV SINGAPORE;		Method of forming a nanostructure
SG174018 A1 20110929	US20050693683P; US20060744733 P;	IDAHO RES FOUND;UNIV WASHINGTON STATE RES FDN;		Method for manufacture and coating ofnanostructured components
SG174733 A1 20111028	US20060839866P;	LANXESS INC;		Butyl adhesive containing maleic anhydride and optional nanoclay
SG170827 A1 20110530	US20060397358; US20060397406; US20060397413; US20060397430; US20060397527;	MICRON TECHNOLOGY INC;		Grown nanofin transistors
SG176497 A1 20111229	US20060524343;	MICRON TECHNOLOGY INC;		Reduced leakage dram memory cells with vertically orientednanorods and manufacturing methods thereof

Número de Publicação	Prioridade	Depositantes	Classificação	Título
MY143396 A 20110513	US20050740461P ;US20060523731;	RENSELAER POLYTECH INST;UNIV HAWAII;		Three-dimensionally reinforced multifunctional nanocomposites
SG171863 A1 20110728	JP20080309445; WO2009JP70379;	SONY CORP;		Fine-particle structure/substrate composite member and method forproducing same
SG170094 A1 20110429	US20060780833P ;US20060798337 P;US2006080815 3P;US200708893 63P;	STC UNM;		Pulsed growth of gan nanowires and applications in group iinitride semiconductor substrate materials and devices
SG173082 A1 20110829	GB20090001409; WO2010GB00130 ;	SURREY NANOSYSTEMS LTD;		Providing gas for use in forming a carbon nanomaterial
MY143055 A 20110228	MYPI20070012;	TAI KWONG YOKOHAMA BATTERY IND SDN BHD;		Process for the production of nano lead oxides
SG174798 A1 20111028	US20060843939P ;	UNIV FLORIDA;		Highly accessible, nanotube electrodes for large surface areacontact applications
CN102181896 A 20110914	CN20111116961;	MINGHUA HUANG;	A01B15/02; C25D5/14;	Electroplated plowshare
KR20110021160 A 20110304	KR20090078786;	KIM SI KYUNG;	A01C1/06;	A composition for seed dipping
CN102150788 A 20110817	CN20101580205;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01C17/00; A01C21/00; A23L1/212;	Organic selenium rich loquat and production method thereof
CN202085475U U 20111228	CN20112167654U ;	ZHIYUAN XIAO;	A01C21/00;	Nanometer fertilizer bag
CN102150531 A 20110817	CN20101580189;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01C21/00; C05D9/02; A01G1/00;	Hot pepper rich in organic selenium and production method thereof

Número de Publicação	Prioridade	Depositantes	Classificação	Título
CN102150535 A 20110817	CN20101580206;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01C21/00; C05D9/02; A01G1/00;	Radishes rich in organic selenium and production method thereof
CN102150537 A 20110817	CN20101580224;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01C21/00; C05D9/02; A01G1/00;	Selenium-rich vegetable seedlings, cultivation method thereof and vegetables produced rich in organic selenium
CN102150530 A 20110817	CN20101580188;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01C21/00; C05D9/02; A01G1/00;	Tomatoes rich in organic selenium and production method thereof
CN102150590 A 20110817	CN20101580219;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01C21/00; C05D9/02; A01G17/00;	Organic selenium-enriched ficus carica and production method thereof
CN102173927 A 20110907	CN20111003651;	CAI ZHIZHOU; DUNFU WU; DUNHU WU; JIN YING;	A01C21/00; C05G3/00;	Nanometer selenium probiotics composite leaf surface nutrient solution and application thereof in production of selenium-enriched pears
CN102217465 A 20111019	CN20101125785;	SHIPING LIN;	A01G1/00;	Preparation method for nano-composite beta-crystalco-polypropylene (nfbetapp) material
CN102124890 A 20110720	CN20101583681;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01G1/00;	Farmland planting method of high-selenium crops
CN102165887 A 20110831	CN20101616742;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01G1/00; A01C21/00; C05D9/02;	High-selenium radix astragali and culture method thereof
CN102150529 A 20110817	CN20101579796;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01G1/00; A01C21/00; C05D9/02;	Selenium-enriched woody fruit seedling, breeding method thereof, and produced organic selenium-enriched fruit
CN102150789 A 20110817	CN20101580221;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01G1/00; A23L1/212; A01C21/00;	Watermelon rich in organic se and production method thereof
KR20110059917 A 20110608	KR20090116350;	KIM SONG YI;	A01G1/00; B27N3/00;	Eco mat

Número de Publicação	Prioridade	Depositantes	Classificação	Título
CN102150536 A 20110817	CN20101580216;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01G1/00; C05D9/02; A01C21/00;	Organic se-rich taiping kowkui and production method thereof
CN102150534 A 20110817	CN20101580203;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01G1/00; C05D9/02; A01C21/00;	Se-enriched cherry tomato and production method thereof
CN102150528 A 20110817	CN20101579792;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01G1/00; C05D9/02; A01C21/00;	Se-enriched tea seedling, culturing method thereof and organicse-enriched tea product
CN102150527 A 20110817	CN20101579783;	SUZHOU SETEK TECHNOLOGY CO LTD;	A01G1/00; C05D9/02; A01C21/00;	Selenium-enriched herbal fruit seedling, breeding method thereof, andproduced organic selenium-enriched fruit
CN102217480 A 20111019	CN20111120646;	ZHENGZHOU TOBACCO RES CNTC;	A01G1/00; C05G3/00;	Nanometer synergistic method for improving potassium content of tobacco leaf
CN102249801 A 20111123	CN20111120648;	ZHENGZHOU TOBACCO RES CNTC;	A01G1/00; C05G3/00; A01C21/00;	Solvent for increasing potassium content of tobacco leaves andapplication method thereof
KR20110089895 A 20110810	KR20100009360;	KYUNG NAM T & AMP D CO LTD;SMT NETWORKS CO LTD;	A01G13/02; B32B27/18; B32B27/32;	Anti-fogging film using for agriculture and process of producingthereof
CN102124915 A 20110720	CN20101579946;	MINGHUA CHEN;	A01G27/00; A01G9/02;	Household vegetable-planting box
CN201967450U U 20110914	CN20102648603U ;	JIJUN CHEN;	A01G27/06;	Flowerpot self-humidifier
CN201938129U U 20110824	CN20102649248U ;	JIJUN CHEN;	A01G27/06; A01G9/02;	Flowerpot with automatic-moistening soil
CN201911100U U 20110803	CN20102648623U ;	JIJUN CHEN;	A01G27/06; A01G9/02;	Multilayer vegetable cultivating frame

Número de Publicação	Prioridade	Depositantes	Classificação	Título
CN102150576 A 20110817	CN20101579908;	JIJUN CHEN;	A01G27/06; A01G9/02;	Multilayer vegetable cultivating rack
CN201911099U U 20110803	CN20102648613U ;	JIJUN CHEN;	A01G27/06; A01G9/02;	Self-wetting flowerpot
CN102100164 A 20110622	CN20101579933;	MINGHUA CHEN;	A01G27/06; A01G9/02;	Flower pot
JP2011078332 A 20110421	JP20090231464;	FAIRY ANGEL INC;NIPPON RENSUI KK;	A01G31/00;	Device for collecting discharged culture solution, method forcollecting discharged culture solution and hydroponic device
JP2011110028 A 20110609	JP20090272251;	TOKUJU KOGYO CO LTD;	A01G31/00;	Method and device for cultivating plant
JP2011036226 A 20110224	JP20090189373;	AKITA PREFECTURAL UNIV;	A01G31/00; A01G1/00;	Low potassium-containing leaf vegetable and method for cultivating thesame
JP2011182781 A 20110922	JP20100030519;J P20110020617;	INST NAT COLLEGES TECH JAPAN;SENDAI TELEVISION INC;	A01G7/00;	Plant cultivation system
JP2011103868 A 20110602	JP20090276975;	TAISEI KAKEN KK;	A01G7/00; H01B1/04; D06M11/73; A01G1/00;	Method for impregnating natural or chemical material fiber withconductive carbonaceous structure or metallic particle so as to give electroconductivity, and the whole product and processed goods
DE10201000404 2 A1 20110707	DE201010004042;	SOMMER ANDREAS;	A01G7/04; A01G7/00; F21K99/00;	Led lamp i.e. Plant light, for promoting growth of biological systemi.e. Aquarium, has light sources i.e. Leds, with predetermined characteristics of emitted wavelengths, which lie at spectral range between specific ranges
CN201905074U U 20110727	CN20102648590U ;	JIJUN CHEN;	A01G9/02;	Vegetable cultivating box
CN102124914 A 20110720	CN20101579922;	YAGUO ZHOU;	A01G9/02; A01G27/00;	Balcony vegetable culture grid

Número de Publicação	Prioridade	Depositantes	Classificação	Título
CN102150575 A 20110817	CN20101579906;	JIJUN CHEN;	A01G9/02; A01G27/02;	Self-wetted flowerpot
CN201995379U U 20111005	CN20102648588U ;	JIJUN CHEN;	A01G9/02; A01G27/06;	Automatic water-supplying flowerpot
CN202026629U U 20111109	CN20102648299U ;	YAGUO ZHOU;	A01G9/12; A01G9/02;	Balcony vegetable-cultivating case
JP2011244721 A 20111208	JP20100119530;	FUJIFILM CORP;	A01G9/14; A01G7/00; A01G13/02;	Wavelength conversion member, and method for plant growth using the same
CN102228007 A 20111102	CN20111160999;	BIOTECHNOLOGY RES INST CAAS;QIMAN HUANG;	A01H4/00;	Tissue culture method for promoting differentiation and regeneration of soybean cotyledon node explant by using nano material
US2011035836 A1 20110210	US20070929006P ;US20080663458; WO2008CA01112;	CANADA AGRICULTURE;	A01H5/00; C12N15/87;	Nanocarrier based plant transfection and transduction
US2011120388 A1 20110526	US20090591641;		A01K27/00;	Illuminated/multi-faceted pet leash assembly
CN201733724U U 20110209	CN20102165742U ;	NINGBO HAINENG FISHERY DEV CO LTD;	A01K63/00; A01K63/04;	Grouper cultivating aquarium
CN201733730U U 20110209	CN20102165730U ;	NINGBO HAINENG FISHERY DEV CO LTD;	A01K63/04;	Grouper factory circulating water aquaculture device
CN102217569 A 20111019	CN20111114535;	UNIV YANSHAN;	A01K63/04;	Additive for removing earthy taste and off-flavor of fish and preparation method thereof
TWM412618U U 20111001	TW100208540U;	LI SHUI-YUAN;	A01M1/02;	Nano-photocatalyst mosquito catcher
CN202085618U U 20111228	CN20102564385U ;	JIAN ZHANG;	A01M1/02; A01M1/08;	Light-emitting diode (led) mosquito catching device

Número de Publicação	Prioridade	Depositantes	Classificação	Título
CN201846704U U 20110601	CN20102560983U ;	LING JIANG;	A01M1/04;	Insect-trapping lamp
CN102125013 A 20110720	CN20111023143;	YANGZHOU KANGHONG AGRICULTURAL DEV CO LTD;	A01M1/04;	Energy-saving wide-spectrum trap lamp
US2011178182 A1 20110721	US20070196692P ;US20080674339; WO2008IL01142;	DO COOP TECHNOLOGIES LTD;	A01N1/00; H01F1/00; C12N9/12; C09K3/00; C12P21/08; C12N1/20; C12N5/07; C12N15/02; A01N25/00; C12Q1/68; A61K47/02; C12P19/34;	Enriched nanostructure composition
NZ552928 A 20110527	US20040592687P ;WO2005US27261 ;	ACRYMED INC;	A01N25/04;	Antimicrobial silver compositions
WO2011138701 A1 20111110	EP20100162155;	AUWETER HELMUT;BASF CHINA CO LTD;BASF SE;BERGHAUS RAINER;ENGELSKIRCHEN SANDRA;GLATTER OTTO;LEVYTATJANA;STRATHMAN N SIEGFRIED;	A01N25/04;	Pesticidal dispersion comprising nanostructured dispersed phase
CN102217607 A 20111019	CN20111106177;	HEBEI UNIVERSITY OF ENGINEERING;	A01N25/04; A01N43/80; A01P3/00;	Hymexazol nanoemulsion and formulation method
CN102090424 A 20110615	CN20091263340;	JIANZHONG XU;	A01N25/04; A01P7/04; A01N65/26;	Method for producing nano water-soluble neem oil preparation

Número de Publicação	Prioridade	Depositantes	Classificação	Título
WO2011152591 A1 20111208	KR20100052480;	PARK CHUNG KWON;THERMOLON KOREA CO LTD;	A01N25/04; C09D5/14; A01N59/16; A01P1/00;	Oil-soluble antimicrobial composition
CN101999408 A 20110406	CN20091168705;	IND TECH RES INST;	A01N25/06; A01P1/00; A01N59/16; A01N59/20; A01N25/34;	Long-acting antimicrobial nanowire combination as well as antimicrobial film and spray prepared comprising same
WO2011133198 A1 20111027	US20100799283; US20100800848;	SUNG HSING-WEN;TU HOSHENG;	A01N25/08;	A pharmaceutical composition of nanoparticles
US2011110999 A1 20110512	IT2008MI00792;W O2009EP02953;	MILANO POLITECNICO;	A01N25/08; A01N59/16; A01P1/00;	Method of manufacturing natural or synthetic fibers containing silver nano-particles
CN102204565 A 20111005	CN20111064574;	YUZHU SHI;	A01N25/08; A01N59/16; A01P3/00;	Mildew-proof and damp-proof nanomaterial and preparation method thereof
CN102239888 A 20111116	CN20111120280;	UNIV TAIYUAN TECHNOLOGY;	A01N25/08; A01P1/00; A01N59/16;	Method for preparing ag-carrying carbon nano tube antibacterial agent
CN101999414 A 20110406	CN20101547597;	UNIV ZHENGZHOU;	A01N25/08; A01P1/00; A01N59/20;	Copper ion-loaded halloysite nanotube antimicrobial agent and preparation method thereof
US2011118533 A1 20110519	AU20080902430; WO2009AU00618;	UNIV SYDNEY;	A01N25/08; A61K9/14; A61N2/00;	Polymer microgel beads and preparative method thereof
US2011274736 A1 20111110	US20100776425;	UNIV KING SAUD;	A01N25/08; C22B11/00; C22C5/06; A01N59/16; A01P1/00;	Methods for producing silver nanoparticles

Número de Publicação	Prioridade	Depositantes	Classificação	Título
KR20110072469 A 20110629	KR20090129413;	YOON MAL NO MI;	A01N25/10; A01N25/12; A01N59/16; A01P1/00;	A method for manufacturing antibiotic plastics with silvernano-particles infiltration
US2011293846 A1 20111201	DE200410026745; US20050597516; US201113204806; WO2005DE00984;	UNIV GIESSEN JUSTUS LIEBIG;UNIV MARBURG PHILIPPS;	A01N25/10; A01N25/34; B05B5/00; D01D5/00; B05D1/04; D01D5/34; A01C23/00; A01M7/00; D01D5/24;	Method for coating target surfaces in the form of dielectricsubstances or ferroelectric crystals
US2011142900 A1 20110616	JP20080218079; WO2009JP65137;	TEIJIN FIBERS LTD;	A01N25/10; A61L9/012;	Extra fine filament yarn containing deodorant functional agent andproducing the same
CN102125055 A 20110720	CN20101571408;	SH NAT ENG RES CT NANOTECH CO;	A01N25/12; A01N59/16; A01P1/00;	Sliver-carried nano-montmorillonite antibacterial agent andpreparation method thereof
US2011311638 A1 20111222	TW20070129490; US20080219168; US201113223487;	APEX NANOTEK CORP;	A01N25/26; A01P1/00; A01N59/16;	Nanosilver porous material particles and fabricating methodthereof
WO2011133617 A1 20111027	US20100327200P ;	HONG SEUNGPYO;LIU YING;UNIV ILLINOIS;	A01N25/26; A61K9/14;	Nano-hybrid delivery system for sequential utilization ofpassive and active targeting
EP2306818 A2 20110413	EP20080158664;E P20090765811;W O2009EP57329;	BASF SE;	A01N25/28; A01N25/22; A01N59/16; A01N43/80;	Agrochemical formulations comprising a pesticide, an organicuv-photoprotective filter and coated metal-oxide nanoparticles
CN102090395 A 20110615	CN20111000856;	GUIZHOU RES INST OF TOBACCO SCIENCE;	A01N25/28; A01N37/42; A01P21/00;	Abscisic acid-embedded chitosan nanoparticles and preparationmethod thereof

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RU2413413 C1 20110310	RU20090134396;	AVGUST AOZT FA;	A01N25/30; A01N25/04; A01P3/00; A01P13/00; A01P7/04;	New liquid pesticide composition and method to protect culture plants against weeds, diseases and pests
WO2011010910 A1 20110127	MYPI20093048;	ABU BAKAR SALLEH;DZOLKHIFLI OMAR;LIM CHAW JIANG;MAHIRAN BASRI;MOHD BASYARUDDIN ABD RAHMAN;RAJA NOOR ZALIHA RAJA ABDUL RAHMAN;UNIV PUTRA MALAYSIA;	A01N25/32; A01N57/20; A01N25/04;	A herbicide formulation
EP2314740 A1 20110427	EP20090173695;	STAATLICHES WEINBAUINSTITUT FREIBURG;UNIV GIESSEN JUSTUS LIEBIG;UNIV MARBURG PHILIPPS;	A01N25/34; A01G13/02; D01F1/10; D01F6/84; A01N25/10; D01D5/00;	Application of agricultural agents
CN101999348 A 20110406	CN20101519030;	JIANGSU QIZHOU GREEN CHEMICAL CO LTD;	A01N25/34; A01N43/653; A01P3/00;	Preparation method of pesticide effervescent tablet
US2011165212 A1 20110707	SG20100004728;	NANO IND PTE LTD I;	A01N25/34; A01P1/00;	Nano antimicrobial personal protection gear
CN101977509 A 20110216	GB20080000081; WO2009EP50019;	JANSSEN PHARMACEUTICA NV;	A01N25/34; A61K9/51; C01G5/00; A01N59/16; A01N63/02; A01N25/08;	Silver nanoparticles with specific surface area and a method for producing them

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WO2011015685 A2 20110210	ES20090001689;	ALONSO GONZALEZ AMANDA;MAS GORDI JORDI;MUNOZ TAPIA MARIA;MURAVIEW MURAVIEW DIMITRI;UNIV BARCELONA AUTONOMA;	A01N25/34; C02F1/50;	Nanocomposite with bactericidal activity
CN102132725 A 20110727	CN20101000981;	YONGFENG ZHANG;	A01N3/00; A23B7/153; A23L1/015;	Environment-friendly preservative for fruits and vegetables
WO2011109340 A1 20110909	US20100309136P ;	NIEVES ENRIQUE;NOVA SOUTHEASTERN UNIVERSITY;RACHID OUSAMA;RAWAS-QALAJIMUTASEM;SIMONS ESTELLE;SIMONS KEITH;UNIV MANITOBA;	A01N33/02;	Epinephrine nanop articles, methods of fabrication thereof, andmethods for use thereof for treatment of conditions responsive to epinephrine
WO2011019882 A1 20110217	US20090233263P ;	PERALTA IVANA ROMINAGUADALUPE;UNIV RICE WILLIAM M;WILSON LON J;	A01N33/02; C07C229/00;	Nanostructure-beta-blocker conjugates
AU2011232745 A1 20111027	AU20110232745;	LAILA PHARMACEUTICALS PVT LTD;	A01N35/00; A61K31/12;	Curcuminoids and its metabolites for the application in allergic nasalconditions
US2011028546 A1 20110203	IN2006MU00181; WO2007IN00334;		A01N37/02; A01P1/00;	Novel antimicrobial formulations incorporating alkyl esters of fattyacids and nanoemulsions thereof
WO2011067186 A1 20110609	EP20090177760;	BASF SE;DUNKER SARAH;KARPOV ANDREY;KONDO SHOICHI;KOPF ALEXANDER;MERK MICHAEL;SCHNEIDER KARL-HEINRICH;VOSSHARTWIG;	A01N37/04; A01N25/34; A01P1/00; A01N25/04; A01N59/20; A01P3/00;	Method for treating phytopathogenic microorganisms usingsurface-modified nanoparticulate copper salts

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WO2011019585 A1 20110217	WO2009CN73180	DING DAWEI;GONG GUANGMING;HU YIQIAO;LI SHAOLING;NANJING EFFECT PHARM DRUGDEV CORP;NANOPAX PHARMA LLC;TANG XIAOLEI;TONG CHUNHUI;UNIV NANJING;WU JINHUI;ZHU YAN;	A01N37/18;	Methods for drug delivery comprising unfolding and folding proteinsand peptide nanoparticles
AU2009324464 A1 20110630	US20080201624P ;US20090178430 P;WO2009US677 66;	ABRAXIS BIOSCIENCE LLC;	A01N43/02; A61K31/335;	Combinations and modes of administration of therapeutic agents andcombination therapy
AU2010233097 A1 20111124	US20090168540P ;WO2010US30596	ABRAXIS BIOSCIENCE LLC;	A01N43/02; A61K31/335;	Nanoparticle formulations and uses thereof
CN102231952 A 20111102	US20080115287P ;US20080115348 P;US2008011536 5P;WO2009US64 719;	ENZON PHARMACEUTICALS INC;	A01N43/04;	Releasable cationic lipids for nucleic acids delivery systems
CN102231950 A 20111102	US20080115371P ;US20080115379 P;WO2009US647 01;	ENZON PHARMACEUTICALS INC;	A01N43/04;	Releasable polymeric lipids for nucleic acids delivery systems
US7897585 B1 20110301	US20050029082; US20050284734; US20060398145; US20080151230; US20080204025P ;US20080286504; US20090378976;	GP MEDICAL INC;NAT UNIV TSINGHUA;	A01N43/04;	Nanoparticles for protein drug delivery

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US7867984 B1 20110111	US20050029082; US20050284734; US20060398145; US20080151230; US20080204025P; US20080229929; US20090459657;	GP MEDICAL INC;NAT UNIV TSINGHUA;	A01N43/04;	Nanoparticles for protein drug delivery
US7871988 B1 20110118	US20050029082; US20050284734; US20060398145; US20080151230; US20080204025P; US20080286504; US20090321855;	GP MEDICAL INC;NAT UNIV TSINGHUA;	A01N43/04;	Nanoparticles for protein drug delivery
EP2288258 A1 20110302	US20080125602P; WO2009US41675; ;	UNIV CENTRAL FLORIDA RES FOUND;UNIV OKLAHOMA STATE;	A01N43/04;	Inhibition of neovascularization by cerium oxide nanoparticles
CN102037962 A 20110504	CN20101563604;	UNIV LIAONING NORMAL;	A01N43/16; A01P21/00;	Chitosan nano-biological preparation, and preparation method and application thereof
WO2011072240 A1 20110616	US20090285495P ;	BLACK KEITH L;CEDARS SINAI MEDICAL CENTER;HOLLEREGGEHARD;LJUB IMOVA JULIA Y;PATIL RAMESHWAR;	A01N43/52; A61K31/425;	Drug delivery of temozolomide for systemic based treatment of cancer
US2011275519 A1 20111110	US20100331846P ;US201113100638 ;		A01N43/54; A01N43/56; A01P21/00; A01N43/84; A01P15/00;	Pesticidal dispersion comprising nanostructured dispersed phase
US2011014255 A1 20110120	FR20060011359; WO2007FR64420;		A01N43/653; A01N25/00;	Phytosanitary formulation generating nanoparticles, method for preparing nanoparticles and use thereof

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CN101946776 A 20110119	CN20091248488; CN20101284707;	UNIV LIAONING NORMAL;	A01N43/653; A01P21/00; A01N25/04;	Uniconazol nano-preparation serving as plant growth regulation and control agent and preparation method thereof
CN102224818 A 20111026	CN20111102670;	HEBEI UNIVERSITY OF ENGINEERING;	A01N43/80; A01P3/00; A01N25/04;	Benziothiazolinone nanoemulsion and preparation method thereof
CN102127372 A 20110720	CN20101593331;	UNIV TIANJIN TECHNOLOGY;	A01N43/80; B82Y40/00; H01L45/00; C09K3/14; B01F17/42; C09G1/02; B01D19/04; A01P3/00;	Nano polishing solution for chemically mechanical polishing of vanadium oxide and application thereof
CN102046011 A 20110504	WO2008US04393;	ROBERT RODRIGUEZ; ROBERT SHORR;	A01N47/28; A61K31/17;	Lipid-oil-water nanoemulsion delivery system for microtubule-interacting agents
WO2011044916 A1 20110421	WO2009EG00025	ELBAIALY EL SAYED KAMEL MORSY;	A01N55/02; A01N25/02; A01N61/00;	Multipurpose eco-friendly disinfecting composition comprising nano size antibacterial agent
CN101990900 A 20110330	CN20101239464;	SHANGHAI INST APPLIED PHYSICS;	A01N59/00; A01P1/00;	Application of nano reduced graphene oxide serving as antibacterial material
CN101990899 A 20110330	CN20101239462;	SHANGHAI INST APPLIED PHYSICS;	A01N59/00; A01P1/00;	Application of nanometer graphene oxide as antibacterial material
KR101039043B B1 20110603	KR20090121264;	AIZN;	A01N59/02; B82B1/00;	Zinc sulfide nano particle compositions, anti-bacteria and anti-filamentous fungi polymer master batches and methods of the preparation of the same

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WO2011075855 A1 20110630	WO2009CH00410	BOKORNY STEFAN;ETH ZUERICH;LOHER STEFAN;MAIENFISCH TOBIAS;PERLEN CONVERTING AG;STARK WENDELIN JAN;	A01N59/06; A01P3/00; A01N59/20; A01N25/34; A01N25/10; A01N25/04; A01N59/16; A01N59/26;	Nanoparticles with fungicidal properties, a process for their preparation and their use in the manufacture of different articles
EP2359690 A1 20110824	EP20100305180;	EAST COAST PHARMACEUTICAL RES LLC;	A01N59/10; A61K47/02; A01N59/16; A61K36/61; A01N25/28; A61K36/54; A01N25/04; A61K9/127; A61K36/752; A61K36/53; A01P1/00; A01N65/00;	Multiplication of the effectiveness of anti-infective agents by a composition including both a dispersant agent and a metal reversal agent
WO2011022350 A1 20110224	US20090234374P	BALDASSARE JOSEPH;HOYER MARY K;KLEIN CLAUDETTE;SAINT LOUIS UNVERSITY;SHAH MAULIK R;	A01N59/16;	Zinc nanoparticles for the treatment of infections and cancer
US2011206777 A1 20110825	IN2010CH00436;	VELLORE INST OF TECHNOLOGY;	A01N59/16;	Inorganic oxide nano materials as anti-microbial agents
WO2011152607 A1 20111208	KR20100052484;	PARK CHUNG KWON;THERMOLON KOREA CO LTD;	A01N59/16; A01N25/04; C09D5/14; A01P1/00;	Aqueous antimicrobial composition

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DE102010008504 A1 20110818	DE201010008504;	LANXESS DISTRIB GMBH;	A01N59/16; A01N37/02; A01N59/06;	Aqueous plant treatment agent, useful for preventing and controlling fire blight or erwinia amylovora, comprises water, calcium, formate and nanoscale silver
CN102047909 A 20110511	CN20091193552;	UNIV WUYI;	A01N59/16; A01N59/00; A01P1/00;	Long-acting nano-disinfectant
US2011189250 A1 20110804	US20080011214P; US20080125782P; US20090812663; WO2009US31120;		A01N59/16; A01N59/20; A01P1/00; A01N25/12;	Green approach in metal nanoparticle-embedded antimicrobial coatings from vegetable oils and oil-based materials
CN101999409 A 20110406	CN20101297773;	HENAN HUI ER NANO SCIENCE CO LTD; PINGKANG WANG;	A01N59/16; A01N59/26; A01N25/04; A01P1/00; A01P3/00; B01J19/18;	Nano silver-zinc complex antibacterial disinfectant and preparation method thereof
US2011052698 A1 20110303	FR20080000570; WO2009FR00120;	CENTRE NAT RECH SCIENT; UNIV ORLEANS;	A01N59/16; A01P1/00; A01N25/00;	Novel material with bacteriostatic properties
CN102239887 A 20111116	CN20101573367;	SUNTAR MEMBRANE TECHNOLOGY XIAMEN CO LTD;	A01N59/16; A01P1/00; A01N25/08;	Preparation method of nanoscale zirconium phosphatesilver-carrying composite inorganic antimicrobial agent
RU2009144136 A 20110610	DE200710020390;	PFLAJDERER KHOLTSVERKSHTOFFE GMBKH;	A01N59/16; A01P1/00; A01N43/80; C08L61/28; A01N25/34; A01N35/02; A01N25/10; A01N59/06;	Biocidal composition and polymer compositions, composite materials and laminates containing said compositions

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CN102125057 A 20110720	CN20111004061;	UNIV SHANGHAI JIAOTONG;	A01N59/16; A01P1/00; A41D13/11;	Titanium dioxide antibacterial agent and preparation method of antibacterial mask thereof
CN102191681 A 20110921	CN20101125839;	GANG ZHOU;	A01N59/16; A01P1/00; D06M11/83;	Antibacterial non-woven fabric and method for producing non-woven fabric product
CN201799173U U 20110420	CN20102185117U ;	ZHENGHESHUN INDUSTRY CO LTD;	A01N59/16; B01D39/14; A01N25/10; B01D39/16;	Filter material structure with anti-bacterial function
KR20110100419 A 20110914	KR20100019400;	BIONEER CORP;	A01N59/16; B01J13/00; A01P1/00;	Method for preparing nano-silver colloid for activity of yeast and antibacterial activity
CN102017997 A 20110420	CN20091195921;	XINGFU TANG;	A01N59/16; B01J37/10; A01P1/00; B01J29/00; B01J37/12;	High-efficiency monatomic silver nanowire antibiotic material
PL390296 A1 20110801	PL20100390296;	INST CHEMII PRZEMYSLOWEJ IM PROF IGNACEGO MOSCICKIEGO;	A01N59/16; C01B33/18; C08K3/36; A01P1/00;	Method of manufacturing silicon dioxide nanopowders with biociding properties, preferably for polymeric composites
CN101999412 A 20110406	CN20101551900;	ZHENDING SHE;	A01N59/16; C01G5/00; A01P1/00; B22F9/24;	Nano-silver solution and preparation method thereof
CN102132705 A 20110727	CN20101109155;	TINKO BATHING UTENSIL CHINA LTD;	A01N59/16; C08K3/08; C08L23/10; C04B35/00; A01P1/00; C04B41/86;	Silver antibiosis powder and antibiosis ceramic and antibiosis plastic with bacteria-proof walls

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US2011014256 A1 20110120	TW20090124047;		A01N59/20; A01N25/00; A01N59/16; A01N55/02; A01P1/00;	Long-lasting anti-microbial composition and anti-microbial film and spray thereof
GB2472968 A 20110223	US20080078914P; WO2009US49918;	HARRIS HOLLY; HENDRICK MICHELLE; HUNT ANDREW TYE;	A01N59/20; A01N25/34; A01N59/16;	Antimicrobial coatings
US2011195131 A1 20110811	US20100701365;	SILLAB DESINFECTION INC;	A01N59/20; A01P1/00; A01N59/16;	Disinfectant cleaner
WO2011151725 A2 20111208	IN2010CH01529;	AMRITA CHAUDHARY; ANSHUP; INDIAN INST OF TECHNOLOGY ITT P O; PRADEEP THALAPPIL; SANKAR MOHAN UDHAYA; SHIHABUDHEEN MUNDAMPRA MALIYEKKAL;	A01N59/20; A61K33/24;	Organic templated nanometal oxyhydroxide
MX2010013971 A 20110224	EP20080159913; WO2009EP58303;	BASF SE;	A01N59/20; C01G3/00;	Nanoparticulate surface-modified copper compounds.
CN102217654 A 20111019	CN20111095270;	INST PROCESS ENG CAS;	A01N59/24; A01P1/00;	Method for preparing nano zinc/potassium ferrocyanide antibacterial material
US2011052655 A1 20110303	US20070835717; US20100843850;		A01N63/00; A01N59/16; A01N25/34; A01N65/00; A01N59/08; A01N63/02; A01N59/20; A01N59/00;	Methods and vesicles for controlling protozoa

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CN102177920 A 20110914	CN20111091108;	UNIV SUZHOU;	A01N63/02; A01N59/16; A01P17/00;	Photon mosquito repellent and preparation method thereof
KR20110024339 A 20110309	KR20090082289;	KIM JIN WOO;	A01N65/08; A01P7/04;	Environmental friendly fermented liquid composition and method for preparing the same
CN102057961 A 20110518	CN20101543444;	YAODONG LI;ZHENGKUN ZHAO;	A01N65/16; A01N65/40; A01N47/44; A01N31/06; A01N57/18; A01N31/16; B01D53/02; A01N33/12; A01N65/34; A01P1/00; A01N65/42; A01N65/22; A01N43/80; A01N59/16;	Air purifying composition and preparation method and use thereof

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CN101972046 A 20110216	CN20101513145;	CHANGSHU HENGMAO TRADE CO LTD;	A01N65/28; D02G3/12; A01P1/00; A01N65/08; A01N65/24; A41D13/00; D06B3/04; D06M13/224; A01N37/40; A01N65/48; D06M13/127; A01P17/00; A41D31/00;	Process for preparing mosquito-dispelling clothes
CN102210325 A 20111012	CN20111029901;	SHENZHEN YUANXING NANO PHARMA CO LTD;	A01P1/00; A01N25/08; A01N59/16; A01N25/12;	Composite antibacterial powder and preparation method thereof
WO2011045623 A1 20110421	WO2009IB06900;	ARCE MACIAS CARLOS FRANCISCO; LOPEZ GORNE TESSY MARIA; MUNOZ OCHOA JOSE FRANCISCO;	A01P1/00; A01N25/08; A01N59/16; A01N25/34;	Titanium dioxide nanostructured materials comprising silver and their use as antimicrobials
CN102210324 A 20111012	CN20101146745;	INST OCEANOLOGY CHINESE ACAD;	A01P1/00; A01N43/713; A01N43/90; A01N59/16;	Selective bactericide with composite nanoparticles as well as preparation and application thereof
CN102197826 A 20110928	CN20101131783;	SHANGHAI YIJIN NANO TECHNOLOGY CO LTD;	A01P1/00; A01N59/16;	Novel large-scale method for preparing alkaline nano-silver solution
CN101999411 A 20110406	CN20101547711;	UNIV ZHENGZHOU;	A01P1/00; A01N59/16; A01N25/08;	Halloysite nano tube silver-carried monomer antibacterial agent and preparation method thereof

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CN102197825 A 20110928	CN20101131192;	SHANGHAI KERUISEN ENVIRONMENTAL PROT TECHNOLOGY CO LTD;	A01P1/00; A01N59/16; A01N59/00;	Nanosilver antibacterial agent and preparation method thereof
CN101962205 A 20110202	CN20091017419;	YANTAI INST OF COASTAL ZONE SUSTAINABLE DEV RES;	A01P1/00; A01N59/16; C01G5/02; C12Q1/18;	Halogenated silver nano-particles and synthesis method and application thereof
BE1018722 A5 20110705	BE20090000240;	CRUYSBERGHS RUDIGER;	A01P1/00; A01N63/00; A01N63/02; A01N25/06; A61K39/07;	Een biologische samenstelling voor het behandelen van huisdieren en hun levensomgeving.
WO2011023584 A2 20110303	EP20090168776;	POLYMERS CRC LTD;WEISS THOMAS;XALTER RAINER;	A01P1/00; A61K33/38; C01G5/00; A61K33/30; A01N25/34; A01N59/16; B82B3/00; B22F9/30; B82B1/00; C01G9/02;	Nano silver-zinc oxide composition
US2011147317 A1 20110623	US20080091314P ;US200913060194 ;WO2009US54785 ;		A01P1/00; B01J27/24; C02F1/30; A01N59/16; B01J37/02; A61L2/08; B01J19/12;	Catalytic compositions, composition production methods, and aqueous solution treatment methods

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CN102211030 A 20111012	CN20111089876;	UNIV SHANDONG;	A01P1/00; C02F1/30; A01N59/16; B01J27/08;	Nano silver/silver bromide/bismuth oxybromide heterogeneous visible light photo-catalytic material and preparation method thereof
CN101978912 A 20110223	CN20101513143;	CHANGSHU HENGMAO TRADE CO LTD;	A01P1/00; D02G3/12; A41D13/00; A01N65/24; A41D31/00; A01N65/08; D06M13/127; A01N37/40; A01N65/48; A01P17/00; D06B3/04; G21F3/02; A01N65/28; D06M13/224;	Mosquito repellent clothing
US2011244056 A1 20111006	US20100319037P ;US201113074466 ;	UNIV CENTRAL FLORIDA RES FOUND;	A01P17/00; A01P1/00; A01P3/00; A01N59/20;	Multifunctional silica-based compositions and gels, methods of making them, and methods of using them
CN102019160 A 20110420	CN20101505886;	UNIV SHANGHAI ENG SCIENCE;	A01P17/00; B01J13/06; A01N25/28; A01N37/18;	Polylactic acid-capsaicin nano-capsule and preparation method thereof
CN101946766 A 20110119	CN20091248489; CN20101284719;	UNIV LIAONING NORMAL;	A01P21/00; A01N31/02; A01N25/04;	Triacanol biological nano-preparation and method for preparing same

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CN102017952 A 20110420	CN20101563603;	UNIV LIAONING NORMAL;	A01P21/00; A01N43/653; A01P3/00; A01N25/12;	Diniconazole nano preparation as well as preparation method and application thereof
CN102210301 A 20111012	CN20111083063;	INST OF ENVIRONMENT AND SUSTAINABLE DEV IN AGRICULTURE CHINESE ACADEMY OF AGRICULTURAL SCIENCES;	A01P3/00; A01N53/04; A01N63/02; A01N43/90; A01N25/08; A01N43/22; A01N25/04; A01N25/34; A01N25/12; A01N43/16;	Sustained control release preparation of nano porous active carbon-carrying agricultural antibiotic and preparation method thereof
CN102125056 A 20110720	CN20111003784;	USTC UNIV SCIENCE TECH CN;	A01P3/00; A01N59/16; A01N59/00;	Method for preparing silver/graphene antimicrobial composite material
CN102165963 A 20110831	CN20101610000;	UNIV NANJING;	A01P3/00; A01N63/02; B82Y40/00;	Antibacterial nanocomposite film material of graphene oxide and lysozyme, preparation method and application of antibacterial nanocomposite film material as antibacterial material
CN102090418 A 20110615	CN20101596742;	HENAN HUIER NANOMETER SCIENCE AND TECHNOLOGY CO LTD;	A01P3/00; A01P1/00; A01N59/16;	Nano-ag antibacterial agent and preparation method thereof
RU2424659 C1 20110727	RU20100113094;	G OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJAUFIM G NEFTJANOJ TEKHNIKI;	A01P3/00; B82B1/00; A01N25/04;	Fungicidal composition
CN102150546 A 20110817	CN20101616712;	SUZHOU SETEK TECHNOLOGY CO LTD;	A23K1/14; A01G1/00; C05D9/02;	High-selenium corn straw and cultivation method and application thereof

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US2011189343 A1 20110804	WO2008JP61612;		A23K1/16; C12N1/20; A23L1/30; A23L2/00;	Nano-sized lactic acid bacteria
CN102239798 A 20111116	CN20111094895;	FUJIAN FISHERIES RES INST;	A23K1/18; A23K1/14; A01G33/00; A01K61/00;	Method for massively, quickly and directionally culturing high-quality young abalone feed such as cocconeis
US2011304955 A1 20111215	US20100329910P ;US201113099248 ;	UNIV SOUTHERN CALIFORNIA;	A41D1/00; H01G5/38; H01G13/00; H01G9/025;	Fabrication of electrochemical capacitors based on inkjet printing
US2011030120 A1 20110210	TW20090214594U ;	NAT KAOHSIUNG NORMAL UNIVERSITY;	A41D3/02;	Detachable solar thermal coat assembly with carbon nanocapsule composite material
CN101955774 A 20110126	US20080121287P ;	AGENCY SCIENCE TECH & RES;	A41G1/00; C09K11/60; C09K11/88; A01G7/06;	Plants coloured with nanocrystals
US2011137154 A1 20110609	US20090631370; US20100960746;		A61B17/34; A61B5/05;	Magnetic probe apparatus
US2011048433 A1 20110303	DE200910039520; DE200910060092; DE201010009017;		A61B19/00;	Method for forming an interventional aid with the aid of self-organizing nanorobots consisting of catoms and associated system unit
EP2301330 A1 20110330	DE200910043281;	DITZEL GMBH & CO KG GRUNDSTUECKS UND BETEILIGUNGSGESELLSCHAFT;	A61B19/00; A61B5/117; A61C13/00; A01K11/00;	Coding for dental element
CA2782387 A1 20110609	US20090631370; WO2010GB02233 ;	ENDOMAGNETICS LTD;	A61B5/05; A61K49/18; G01R33/12; A61K49/06;	Magnetic probe apparatus

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WO2011037973 A1 20110331	US20090244918P; US20090288378P; US20100315441P;	CUTLER JOSHUA I;MIRKIN CHAD A; UNIV NORTHWESTERN;	A61B5/055;	Click" nanoparticle conjugates"
AU2011200056 A1 20110127	AU20020340450; AU20090200772; AU20110200056; US20010346162P; US20020346519P; WO2002US36035;	IMCOR PHARMACEUTICAL COMPANY;	A61B5/055; A61K49/04; A61B6/03; A61K49/00; G01T1/161; A61B6/00; A61B8/00;	Methods for vascular imaging using nanoparticulate contrastagents
US2011135571 A1 20110609	US20080030746P; US20080137565P; US20090918748; WO2009US34867;		A61B5/055; A61K51/00; B32B5/00; A61K9/127; A61K9/14; A61K49/00; C12N5/00; C08F26/10; A61P35/00; A61K31/79;	Hybrid nanoparticles as anti-cancer therapeutic agents and dualtherapeutic/imaging contrast agents
US2011105889 A1 20110505	JP20080185857; WO2009JP53002;	KONICA MINOLTA MED & GRAPHIC;	A61B5/055; B32B1/00; A61B6/00;	Nanoparticle labeling and system using nanoparticlelabeling
US2011165086 A1 20110707	KR20100001184;		A61B5/055; C01G49/02; A61K9/50; B05D3/10;	Iron oxide nanoparticles as mri contrast agents and theirpreparing method

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US2011172523 A1 20110714	US19990157931P; US20000190395 P;US2000068078 2;US20030345821 ;US20040565099 P;US2005011360 1;US20080245538 ;	OXONICA INC;	A61B6/00;	Surface enhanced spectroscopy-active composite nanoparticles
CN102202722 A 20110928	US20080202681; WO2009US02800;	CARESTREAM HEALTH INC;	A61B6/00; A61M37/00; A61K49/00; A61K49/04;	Transdermal delivery in small animals or humans
US2011229856 A1 20110922	US20060854027P; US20070977351; US201113110633;	BIOMET 3I LLC;	A61C8/00;	Deposition of discrete nanoparticles on a nanostructured surface of an implant
US2011182990 A1 20110728	US20100282319P; US201113010020 ;	FPINNOVATIONS;	A61F13/53; A61F2/00; A61K47/32; C08L1/32;	Nanocomposite hydrogel and method for preparing it, for industrial and medical applications
WO2011017698 A1 20110210	US20090232252P ;	ANNEAUX BRUCE L;BALLARD ROBERT L;ZEUS INC;	A61F2/06;	Prosthetic device including electrostatically spun fibrous layer and method for making the same
EP2349219 A1 20110803	US20080100886P; WO2009US58896 ;	UNIV MERCER;	A61J3/07; A01N43/04; A61K9/16;	Nanospheres encapsulating bioactive material and method for formulation of nanospheres
AU2010224012 A1 20111103	US20090210074P; WO2010US27159 ;	ABRAXIS BIOSCIENCE LLC;	A61K31/16; A01N37/18;	Combination therapy with thiocolchicine derivatives

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US2011287066 A1 20111124	US20100346924P ;US201113111999 ;	BASF SE;	A61K31/235; A61P31/00; A61K31/496; A61K9/00; A61P3/06; A61P9/12;	Nanoporous foamed active compound-containing preparations based on pharmaceutically acceptable thermoplastically workable polymers
WO2011006007 A1 20110113	US20090223944P ;US20090226153 P;US2009022825 0P;US200902355 74P;US20090249 804P;US2009026 3648P;US201002 94690P;	BRYCE DAVID;DORFMAN ADAM;GR INTELLECTUAL RESERVE LLC;LOCKETT ANTHONY;MERZLIAKOV MIKHAIL;MORTENSON MARK;PIERCE D KYLE;WILCOX REED;	A61K31/28; C30B1/00; A01N55/02;	Novel gold-based nanocrystals for medical treatments and electrochemical manufacturing processes therefor
EP2346491 A1 20110727	FR20080057100; WO2009FR51988;	CENTRE NAT RECH SCIENT;INST NATSANTE RECH MED;UNIV CLAUDE BERNARD LYON;	A61K31/337; A61P35/00; A61K31/695; A61K9/08;	Novel pharmaceutical uses for nanoparticles
US2011060036 A1 20110310	US20080072220P ;US20100888767; WO2009US38652;	UNIV EMORY;	A61K31/337; A61P35/00; C07D305/14;	Branched multifunctional nanoparticle conjugates and their use
ES2369928T T3 20111209	EP20050014096;	DSM IP ASSETS BV;	A61K31/352;	Nanoparticulas de isoflavonas y su utilizacion.
CN102232954 A 20111109	CN20111002721;	ZHEJIANG TSINGHUA CHANGSANJIAO RES INST;	A61K31/513; A61P17/00; A01N43/54; A01P7/04;	Use of thiobabaturic acid for inhibiting generation of melanin and biological pesticide

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US2011070306 A1 20110324	US19990131638P; US19990474866; US20000561111; US20000751059; US20010891086; US20010965447; US20020179547; US20060506442;		A61K31/522; A61K9/107; A61K45/06;	Antimicrobial nanoemulsion compositions and methods
AU2010239162 A1 20111110	AU20090901747; AU20100239162; US20090172300P; WO2010AU00467	ICEUTICA PTY LTD;	A61K31/5415; A61K31/196; A01N55/02; A61K33/04; A61K31/122; A61K31/53; A61K31/18; A01N39/04; A61K9/14; A01N57/20; A61K31/497; A61K31/405; A61K31/192; A61K31/421; A61K31/565; A61K31/57; A61K31/198; A61K31/4709; A61K38/13;	Method for the production of commercial nanoparticle andmicroparticle powders

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US2011104265 A1 20110505	US20090279961P ;US20100912902;		A61K31/56; A61K31/4045; A61P19/10; A61K9/48; A61K38/29; A61K31/351; A61K38/22; A61K38/11; A61K38/18; A61K38/23;	Compositions and methods of targeted nanoformulations in the management of osteoporosis
US2011262556 A1 20111027	US20050641521P ;US20050697079 P;US2005070249 4P;US200508134 08;WO2005US476 99;	AMERICAN SILVER LLC;	A61K31/65; A61K31/555; A61P31/04; A01P1/00; A61K33/30; A61P17/00; A61K33/34; A61K33/38; A01N59/20; A61P31/10; A61K33/40; A01N59/16; A61K33/24;	Silver/water, silver gels and silver-based compositions; and methods for making and using the same
AU2010203474 A1 20110728	US20090143293P ;US20090169384 P;WO2010US205 58;	UNIV NORTHWESTERN;	A61K31/70; A01N43/04;	Inhibition of bacterial protein production by polyvalent oligonucleotide modified nanoparticle conjugates
US2011052702 A1 20110303	JP20080013280; WO2009JP50863;	NAT INST OF ADVANCED IND SCIEN;	A61K31/7028; A61K38/00; F28D21/00; A61K9/14; A61P43/00;	Method and apparatus for producing organic nanotubes

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US2011110868 A1 20110512	US20080042656P; US20090934044; WO2009US02060;		A61K31/721; A61P9/00; A61P25/28; A61K49/06; A61P25/16; A61K9/14; A61P35/00;	Functionalized magnetic nanoparticles and methods of use thereof
JP2011219421 A 20111104	JP20100091000;	EU BS CO LTD;KOB TECHNOLOGY KK;	A61K33/00; A01P1/00; A01N55/02; A61K47/02; A61P37/08; A61P25/00; A61P31/12; A61K33/24; A61L9/01; A01N59/16; A61K9/08; A61K47/30;	Antiviral, antiallergic and anti-gas agent and method for immobilizing the same to carrier
WO2011045627 A1 20110421	WO2009IB07188;	ARCE MACIAS CARLOS FRANCISCO;LOPEZ GOERNE TESSY MARIA;MUNOZ OCHOA JOSE FRANCISCO;	A61K33/24; A01N59/16;	Viricide agents having nanostructured biocatalysts materials of titanium dioxide (tio ₂) and silicon dioxide (siO ₂) with platinum and iridium modified and dispersed on the surface
US2011236430 A1 20110929	TW20100109262;	UNIV NAT TAIWAN;	A61K33/24; A61K33/34; A61K9/00; A61K33/00; A61P31/00; A61P17/02; A61K33/38; A61K33/26;	Method for controlling toxicity of metallic particle and low-toxicity composite of metallic nanoparticle and inorganic clay

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WO2011094456 A1 20110804	US20100298876P ;	FREI HEINZ M;JIAO FENG;UNIV CALIFORNIA;	A61K33/26; A01N59/16;	Nanostructured transition metal oxides useful for water oxidationcatalysis
US2011123589 A1 20110526	IT2008PD00220; WO2009EP59432;	UNI DEGI STUDI DI TRIESTE;	A61K33/38; A01N25/10; A01N59/16; A61K9/10; A61P31/00; A61K33/34; A01N59/20; A01P1/00; A61K33/30; A61K33/24;	Three-dimensional nanocomposite materials consisting of apolysaccharidic matrix and metallic nanoparticles, preparation and use thereof
US2011318422 A1 20111229	US20070920924P ;US20080059398; US201113226644;		A61K33/42; A61P35/00; A61K9/48;	Targeted active agent delivery system based on calcium phosphatenanoparticles
US2011256183 A1 20111020	US20100340117P ;US201113065030 ;		A61K35/12; C12N5/071; A61K35/407; A61K9/00; A61P1/16;	Hydrogels with network defects enhanced by nanoparticleincorporation
CN102083447 A 20110601	US20070930364P ;US20080150562; WO2008US05638;	ENTEGRION INC;	A61K35/14; C12N5/078;	Delivery of micro-and nanoparticles with blood platelets

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CN101953511 A 20110126	CN20101189587;	JINXUE CHENG;	A61K36/074; A61K36/81; A01G1/00; A61K33/04; A61P35/00; A61K33/00; A24D1/00; A61P39/02; A61K33/24;	Nano selenium and germanium rich negative ion safe anti-cancercigarette for eliminating toxic hazard of cigarette smoke
US2011070308 A1 20110324	US20090565653;		A61K36/752; A61K36/00; A61K36/58;	Bed bug insecticide
US7871990 B1 20110118	US20050029082; US20050284734; US20060398145; US20080151230; US20080286504; US20090456927;	GP MEDICAL INC;NAT UNIV TSINGHUA;	A61K38/00; A01N43/04;	Nanoparticles for protein drug delivery
US7879819 B1 20110201	US20050029082; US20050284734; US20060398145; US20080151230; US20080204025P ;US20090455388;	GP MEDICAL INC;NAT UNIV TSINGHUA;	A61K38/00; A01N43/04;	Nanoparticles for protein drug delivery
US7871989 B1 20110118	US20050029082; US20050284734; US20060398145; US20080151230; US20080204025P ;US20080286504; US20090322444;	GP MEDICAL INC;NAT UNIV TSINGHUA;	A61K38/00; A01N43/04;	Nanoparticles for protein drug delivery

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DK2029120T T3 20111031	US20060791746P ;WO2007GB01377;	MIDATECH LTD;	A61K38/00; A61K33/00; A61K9/51; A61K47/48;	Nanopartikler indeholdende tre forskellige ligander tiltilvejebringelse af immunresponser mod smitstoffer
WO2011112999 A2 20110915	US20100313522P	DONG HE;SHU JESSICA;UNIV CALIFORNIA;XU TING;	A61K38/04; A61K38/00;	Lipid-peptide-polymer conjugates and nanoparticles thereof
US2011014682 A1 20110120	US20020385696P ;US20020413273 P;US2003045341 5;US20060352582 ;US20100895908;	DU PONT;	A61K38/04; C07K17/00; C07K16/00; C07K7/08; C07K5/00; C07K7/00; C07K1/04;	Carbon nanotube binding peptides
US2011312877 A1 20111222	US20080067037P ;US20080067039 P;US2008012840 9P;US200801367 50P;US20090919 703;WO2009US35 360;	APARNA BIOSCEIENCES;	A61K38/16; A61P31/10; C07K19/00;	Engineered tunable nanoparticles for delivery of therapeutics,diagnostics, and experimental compounds and related compositions for therapeutic use
US2011123601 A1 20110526	TW20090139728;	NAT UNIV TSINGHUA;	A61K38/18; A61K31/7088; A61K9/127; A61P37/00; A61K38/16; A61K47/06; A61K51/12; A61K31/519; A61P43/00; A61K39/395;	Biofunctionalized phospholipid-capped mesoporous silicananoshuttles for targeted drug delivery

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US2011142941 A1 20110616	US20060876770P ;US20070000262 P;US2007000393 5P;US200700049 79;US2007092211 3P;US200709362 23P;US20070959 006P;US2007096 7016P;US200709 94895P;US20100 947389;		A61K38/39; A61P35/00; A61K38/02; A61K31/729; A61K31/722; A61K9/14; A61K38/38; A61K31/728; A61P35/04; A61K31/734; A61K31/717; A61K31/192; A61K31/765; C12N5/09; A61K31/721;	Nanoparticle and polymer formulations for thyroid hormoneanalogs, antagonists, and formulations and uses thereof
US2011280799 A1 20111117	US20050661627P ;US20050708012 P;US2008088628 3;US20111315524 4;WO2006US0921 3;	MASSACHUSETTS INST TECHNOLOGY;	A61K38/46; A61P1/00; A61P11/06; A61K9/14; A61K31/56; A61P11/00; A61P19/02; A61P35/00; A61P35/04; A61P29/00; A61P27/06; A61P27/02; A61P37/06; A61K51/12; A61P43/00;	Nanocells for diagnosis and treatment of diseases and disorders

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US2011020388 A1 20110127	US20090217116P; US20090217117P; US20090217124P; US20090217129P; US20100788260;	SELECTA BIOSCIENCES INC;	A61K39/385; C07D471/04; C07H21/00; C07D473/34; A61P37/02;	Targeted synthetic nanocarriers with ph sensitive release of immunomodulatory agents
US2011262491 A1 20111027	US20100323141P; US201113084662;	SELECTA BIOSCIENCES INC;	A61K39/39; A61K38/02; A61K31/7088; A61P37/04; A61K39/00; A61K9/14;	Emulsions and methods of making nanocarriers
US2011286935 A1 20111124	US20100395908P; US201113109256;	ATRP SOLUTIONS INC;	A61K39/395; A61K49/18; A61K49/00; A61P35/00; A61K9/00;	Multi-functional nano-device
US2011038939 A1 20110217	US20070959728P; US20080669395; WO2008US70164;	LOUISIANA TECH UNIVERSITY RES FOUNDATION A DIVISION OF LOUISIANA TECH UNIVERSITY FOUNDATION; UNIV NORTHEASTERN;	A61K39/395; A61P35/00; A61K9/14;	Therapeutic stable nanoparticles
US2011008251 A1 20110113	US20050668603P; US20050728292P; US20050751196P; US20060389358; US20090468589;	IBC PHARMACEUTICALS INC;	A61K39/44; A61K39/385; A61K39/00; A61K39/395;	Methods for generating stably linked complexes composed of homodimers, homotetramers or dimers of dimers and uses
US2011052671 A1 20110303	US20080024690P; US20090863010; WO2009US32534;	UNIV CALIFORNIA;	A61K39/44; A61K9/14; A61K9/133; A61K9/127;	Near infra-red pulsed laser triggered drug release from hollow nanoshell disrupted vesicles and vesosomes

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EP2328554 A1 20110608	FR20080055589; WO2009EP60539;	COMMISSARIAT ENERGIE ATOMIQUE;	A61K41/00; A61K47/48; A61K9/107; A61P35/00;	Encapsulation of lipophilic or amphiphilic therapeutic agents innano-emulsions
WO2011147926 A2 20111201	EP20100163865;	AMSTAD ESTHER;REIMHULT ERIK;TEXTOR MARCUS;	A61K41/00; A61K9/127; A61K49/18; A61K9/00; A61K9/50; B82Y5/00;	Magnetically responsive membrane structures
TW201126156 A 20110801	US20090161328P ;US20090259940 P;	AYRES JENNIFER;BOURKE FREDERIC A JR;CHADA VENKATA GOPAL REDDY;FATHI ZAK;GREGAS MOLLY K;LAULY BENOIT;SCAFFIDI JONATHAN P;SIMMONS JOSEPH H;STANTON IAN NICHOLAS;STECHEER JOSHUA T;THERIEN MICHAEL J;VO-DINH TUAN;	A61K41/00; B01J19/00; A61L2/08; G01N21/64; A61N5/06;	Up and down conversion systems for production of emitted light from various energy sources
CN101959542 A 20110126	JP20070331948; WO2008JP73884;	UNIV OSAKA;UNIV YAMAGUCHI;	A61K45/00; A61P43/00; A61F2/82; A61L31/00; A61K9/51; A61P9/10;	Drug delivery system
CN102078617 A 20110601	CN20101609438;	SHANGHAI INST CERAMICS;	A61K47/02; A01P3/00; A61K49/08; A61N5/06; A01N25/08;	Method for synthesizing mesoporous silica-based nanocomposite embedded with gold nanorods

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US2011300126 A1 20111208	US20080113585P ;US200913128871 ;WO2009IB07592;		A61K47/04;	Dispersion and debundling of carbon nanotubes using geminisurfactant compounds
CA2762524 A1 20110113	US20090179162P ;WO2010US35304 ;	ENSYSCE BIOSCIENCES INC;	A61K47/04; C12N15/63; A61K31/713; C12N15/113;	Carbon nanotubes complexed with multiple bioactive agents and methods related thereto
US2011039947 A1 20110217	US20080051468P ;US20080051477 P;US2009098943 2;WO2009US4300 3;	3M INNOVATIVE PROPERTIES CO;	A61K47/06; B32B5/00; C07F9/02;	Surface-modified nanoparticles
JP2011137031 A 20110714	US19980109202P ;	OBAN ENERGY LTD;	A61K47/10; A61K47/04; A61K47/36; A61K47/32; A61K47/26; A61K47/42; A61K47/38; A61K9/16; A61K9/14; A61K38/00; A61K47/40; A61K9/19; A61K9/51; A61K47/24; A61P37/06; A61K47/34; A61K47/02; A61K9/50;	Dispersible phospholipid-stabilized microparticles

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EP2344134 A2 20110720	US20080099272P ;WO2009US57852 ;	UNIV CALIFORNIA;	A61K47/10; A61K47/48; A61K47/14; A61K9/51; A61K9/127;	Nanocarriers for drug delivery
WO2011050039 A2 20110428	US20090253921P ;	BLANCO-CANOSA JUAN BAUTISTA;BOENEMAN KELLY;DAWSON GLYN;DAWSON PHILIP E;DELEHANTY JAMES B;DESCHAMPS JEFFREY R;MATTOUSSI HEDI M;MEDINTZ IGOR L;US GOVERNMENT;	A61K47/30; A61K9/127; A61K9/51; G01N33/68; A61K47/02; A61K47/42; A61K9/38;	Modular functional peptides for the intracellular delivery of nanoparticles
EP2295045 A1 20110316	EP20070764504; US20060819209P ;	UNIV AARHUS;	A61K47/36; A61K9/51;	Nanoparticles for nucleic acid delivery
EP2359859 A1 20110824	EP20030799876; US20020432317P ;US20030526544 P;US2003052677 3P;US200305271 77P;	ABRAXIS BIOSCIENCE LLC;	A61K47/48; A61K31/00; A61K9/00; A61K9/51; B82Y5/00; A61K47/42; A61K47/18;	Compositions comprising albumin nanoparticles and methods of delivery of pharmacological agents
WO2011036191 A2 20110331	EP20090382185;	CT DE INVESTIGACION COOPERATIVA EN BIOMATERIALES CIC BIOMAGUNE ASOC;GALLO PARAMO JUAN;GARCIA MARTIN ISABEL;PENADES ULLATE SOLEDA;	A61K47/48; A61K49/18;	Gold -coated magnetic glyconanoparticles functionalised with proteins for use as diagnostic and therapeutic agents

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ES2360538T T3 20110606	US20060843282P ;	UNIV JOHNS HOPKINS;	A61K47/48; A61K9/127; A61K48/00; A61K47/26; A61K31/70; A61K9/50; A61K9/16; A61K9/51;	Composiciones para aumentar el transporte a traves de moco.
EP2389199 A2 20111130	EP20090305055;E P20100700585;W O2010EP50693;	CENTRE NAT RECH SCIENT;INST OFMACROMOLECULAR CHEMISTRY AS CR V V L;UNIV STRASBOURG;	A61K47/48; A61P35/00;	Multifunctional stealth nanoparticles for biomedical use
WO2011131671 A1 20111027	WO2010IB51700;	GELAIN FABRIZIO;UNIV MILANO BICOCCA;VESCOVI ANGELO LUIGI;	A61K47/48; C07K14/78; C07K14/00; C12N5/00; B82Y5/00;	Novel self-assembling peptides and their use in the formation ofhydrogels
US2011266517 A1 20111103	US20030438331P ;US20030458378 P;US2005014826 6;US20090318653 ;US201113179638 ;WO2004IL00012;	UNIV RAMOT;	A61K47/48; C07K5/10; H01L29/08; H01F1/42;	Peptide nanostructures encapsulating a foreign material andmethod of manufacturing same
JP2011010549 A 20110120	JP20070280803;	UNIV TOKYO;	A61K48/00; A61K47/48; C12N15/09; A61K47/04;	Organic-inorganic hybrid nano particle composed of nucleic acidconjugate having polyethylene glycol bound thereto and calcium phosphate

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WO2011028847 A1 20110310	US20090238930P; ;	DANIEL WESTON L;DHAR SHANTA;GILJOHANN DAVID A;LIPPARD STEPHEN J;MASSACHUSETTS INST TECHNOLOGY;MIRKINCHAD A;UNIV NORTHWESTERN;	A61K48/00; A61K9/14;	Polyvalent polynucleotide nanoparticle conjugates as delivery vehicles for a chemotherapeutic agent
US2011059017 A1 20110310	US20060758873P; ;US20070622915; US20100758599;	BECTON DICKINSON CO;	A61K49/00;	Polymer coated sers nanotag
US2011117020 A1 20110519	US20080064329P; ;US20090919647; WO2009US35766;	UNIV PENNSYLVANIA;	A61K49/00; A61B5/05;	Imaging dendrimer nanoprobe and uses thereof
US2011085968 A1 20110414	US20090251135P; ;US20100900249;	UNIV CALIFORNIA;	A61K49/00; A61K39/395; A61P19/00; A61K51/00; A61F2/00; A61K35/12;	Articles comprising nano-materials for geometry-guided stem cell differentiation and enhanced bone growth
EP2308513 A2 20110413	EP20050025022; WO2006EP10996;	SIGNALOMICS GMBH;	A61K49/00; A61K47/48; C09K11/88;	Fluorescent nanoparticles
US2011064652 A1 20110317	EP20080075267; WO2009EP02513;		A61K49/00; A61P35/00; A61K51/00; A61K47/48; A61K31/337; A61K49/04; A61K47/34;	Nanoparticles for targeted delivery of active agents to the lung

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US2011262364 A1 20111027	US20080235575; US201113079469;		A61K49/00; A61P35/00; A61P31/04; A61K33/24; C12Q1/02;	Fluorescent particles comprising nanoscale zno layer andexhibiting cell-specific toxicity
US2011158901 A1 20110630	US20090290583P ;US20100980775;		A61K49/00; B29B9/12; C08L5/08; A61K51/00;	Chitosan-based nanoparticles and methods for making and usingthe same
US2011189101 A1 20110804	JP20060326347; WO2007JP73114;	NAT UNIVERSITY CORP SHIMANE UNIVERSITY;	A61K49/00; C01G9/02; G01N33/53; C07K16/00;	Fluorescent labeling agent and fluorescent labeling method
EP2325642 A1 20110525	EP20050761586; US20040563865P ;US20050109368;	UNIV EMORY;	A61K49/00; G01N33/53; G01N33/58; G01N33/553; A61K51/00; C12Q1/68;	Use of multimodality nanostructures to detect target substances

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JP2011207887 A 20111020	US20070960270P	FORD HENRY HOSPITAL;UNIV BARILAN;	A61K49/04; A61K31/519; A61K47/42; A61K47/48; A61K39/395; A61K31/704; A61K49/00; A61K9/16; A61K38/43; A61K47/36; A61K38/22; A61K47/02; A61K47/34; B82Y5/00; A61B5/055; A61K38/00;	Polymer nanoparticle coated by magnetic metal oxide and use thereof
WO2011069523 A1 20110616	WO2009EP08789;	BORM PAUL J A;MAGNAMEDECS GMBH;RUSU VIOREL;	A61K49/04; A61K49/18;	Composition for labeling and visualizing grafts in magnetic mri and x-ray fluroscopy, and use thereof
US2011091389 A1 20110421	US20090580940;		A61K49/04; B22F1/02; B32B38/00; B32B15/02; A61K49/00;	Particles with radiation activated adhesive
WO2011097824 A1 20110818	WO2010CN70681	DALIAN CLEAN INANO LTD;LEE CHEOLSU;LEE JUNGHWAN;UNJUNGYEO;	A61K49/06;	Preparation method of nano-gold particles used as contrast agent for x-ray or computerized tomography (ct)
EP2394639 A1 20111214	EP20070795351; US20060808399P ;US20060854500 P;	RENSELAERPOLYTECH INST;UNIV WAKE FOREST;UNIV WAKE FOREST HEALTH;	A61K49/06; A61K33/44; A61K9/00;	Hyperthermic technologies and therapeutic uses thereof

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CN102125699 A 20110720	CN20101039632;	NINGBO INST MAT TECH & ENG CAS;	A61K49/06; A61K47/02; A61K47/48;	Fe3o4/tio2 composite nano-particles as well as preparation method and application thereof in magnetic resonance imaging contrast medium
WO2011010848 A2 20110127	KR20090065765;	BITERIALS CO LTD;KIM JUN SUNG;	A61K49/06; A61P43/00; A61K49/18;	Multifunctional nanoparticles for fluorescence, mr and pet images comprising magnetic silica nanoparticles doped with a near-infrared (nir) dye allowing composite imaging of lymph nodes and deep organs, and a method for synthesising the same
US2011286938 A1 20111124	US20090149975P ;US201013148028 ;WO2010US23201 ;	UNIV COLORADO;	A61K49/08; A61P37/00; A61K49/16;	Non-invasive detection of complement-mediated inflammation using cr2-targeted nanoparticles
EP2320955 A1 20110518	US20080087198P ;WO2009US53274 ;	UNIV RICE WILLIAM M;	A61K49/10;	Carbon nanotube based magnetic resonance imaging contrast agents
US2011177005 A1 20110721	US20100296516P ;US20100402074 P;US2011130089 51;	UNIV UTAH RES FOUND;	A61K49/10; A61K31/704; A61K31/337; A61P35/00;	Stable nanoemulsions for ultrasound-mediated drug delivery and imaging
WO2011013038 A2 20110203	EP20090166955;	GRUELL HOLGER;KONINKL PHILIPS ELECTRONICS NV;LAMERICHS RUDOLF MATHIAS JOHANNES NICOLAAS;YILDIRIM MUHAMMED;	A61K49/10; A61K49/18;	Perfluoro compounds for use in imaging
EP2398503 A2 20111228	US20090152459P ;US20090162989 P;WO2010US243 24;	UNIV WASHINGTON;	A61K49/10; A61K49/18; A61K33/14;	Gadolinium expressed lipid nanoparticles for magnetic resonance imaging

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WO2011109214 A2 20110909	US20100309261P	BENGTSSON NICLAS;BROWN SCOTT CHANG;GROBMYER STEPHEN R;IWAKUMA NOBUTAKA;MOUDGIL BRIJ M;SANTRA SWADESHMUKUL;SCOTT EDWARD W;SHARMA PARVESH;UNIV FLORIDA;WALTER GLENN A;	A61K49/10; G01N33/52; C09K11/02;	Near-ir indocyanine green doped multimodal silica nanoparticles and methods for making the same
WO2011095836 A2 20110811	WO2010IB50444;	CUBILLO DE DIOS MARIA DE LOS ANGELES;FERNANDEZ MONTES MARIO;GONZALEZ SANTOS FERNANDO;LOPEZ DE LA OSA JAIME;MORENO EGEA FERNANDO;RAMIREZ CALVO PILAR;SOLUCIONES EXTRACTIVAS ALIMENTARIAS S L SOLUTEX;	A61K49/18;	Macrophages thérapeutiques détectables
CN102083471 A 20110601	US20080042701; WO2009EP52523;	GEN ELECTRIC;	A61K49/18;	Novel mixed ligand core/shell iron oxide nanoparticles for inflammation imaging
GB2476269 A 20110622	GB20090022052;	UNIV DUBLIN CITY;	A61K49/18;	Nanoparticle clusters formed from individual nanoparticles of two or more types
US2011104077 A1 20110505	TW20090137282;		A61K49/18; A61K47/34;	Magnetic nanocomposite with multi-biofunctional groups and method for fabricating the same
EP2277548 A2 20110126	EP20040736221; GB20030013259;	CONSEJO SUPERIOR INVESTIGACION;MIDATECH LTD;	A61K49/18; A61K47/48;	Magnetic nanoparticles linked to a ligand
AU2009334868 A1 20110707	US20080344604; US20080344606; US20080344608; WO2009EP67468;	GEN ELECTRIC;	A61K49/18; A61K49/04;	Nanoparticle contrast agents for diagnostic imaging

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CA2777871 A1 20110505	US20090609799; WO2010EP66429;	GEN ELECTRIC;	A61K49/18; A61K49/04;	Treating water insoluble nanoparticles with hydrophilicalpha-hydroxyphosphonic acid conjugates, the so modified nanoparticles and their use as contrast agents
WO2011151631 A1 20111208	GB20100009455; US20100351483P ;	BLOWER PHILIP JOHN;GREEN MARK;JAUREGHI-OSORO MAITE;KING S COLLEGE LONDON;TORRES MARTIN DE ROSALES RAFAEL;WILLIAMSON PETER;	A61K49/18; A61K51/12; A61K47/48; A61K49/00;	Nanoparticles and their uses in molecular imaging
EP2286798 A1 20110223	EP19970944429;E P20080006374;U S19960720756;	ABRAXIS BIOSCIENCE LLC;	A61K49/18; A61K9/14; A61K9/51; A61K9/38; A61K9/00; A61K47/48; A61K45/00; A61K47/42; A61K9/50; A61K49/22; A61K47/30; A61P35/00; A23L1/29; A61K31/337; A61P29/00; A61K49/00; A61J3/00;	Protein stabilized pharmacologically active agents, methods for the preparation thereof and methods for the use thereof
US2011097277 A1 20110428	US20050711613P ;US20080020998; US20090259081P ;US20100941938; WO2006US29898 8;	UNIV WASHINGTON;	A61K49/18; C08F8/00; A61K9/50;	Particles coated with zwitterionic polymers

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GB2474456 A 20110420	GB20090017984;	UNIV DUBLIN CITY;	A61K49/18; G01N33/58; C08G83/00; G01N33/543; A61K49/04;	Dendrimer functionalised nanoparticle label
WO2011111024 A2 20110915	US20100312313P ;	AVRAM-BITON LIAT;BAR-SHIR AMNON;COHEN YORAM;UNIV RAMOT;	A61K49/18; G01N33/58; G01N33/84;	A method of magnetic resonance imaging for detecting calcium
CN102105175 A 20110622	US20080056170P ;WO2009CN7069 1;	UNIV HONG KONG CHINESE;	A61K49/18; H01F1/36; H01F1/11;	Nanoparticles, methods of making same and cell labelling usingsame
WO2011143514 A2 20111117	US20100334015P ;US201113106839 ;	LACY JEFFREY L;	A61K51/00; A01N47/34; A61K51/04; A61K51/02;	Nanogenerator
WO2011005916 A1 20110113	US20090223968P ;	COLVIN VICKI L;PRAKASH ARJUN;UNIV RICE WILLIAM M;ZHUHUIGUANG;	A61K51/00; B32B5/16;	Nanoparticle compositions comprising a lipid bilayer andassociated methods
US2011091373 A1 20110421	US20090279522P ;US20100909573;	HEALTH RESEARCH INC;UNIV NEW YORK STATE RES FOUND;UNIVMICHIGAN;	A61K51/00; C07D487/22; A61K49/06; A61K49/00;	Paa nanoparticles for enhancement of tumor imaging

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US2011014118 A1 20110120	US20070974310P; US20070981920 P;US2008004002 2P;US200800691 08P;US20080069 905P;US2008012 3796P;US200801 24290P;US20080 126899P;US2008 0235342;US20090 228243P;US2010 0326424P;US201 00843504;		A61K51/02; A61K9/127; A61K31/785; A61P35/00; A61K38/19;	Nanotherapeutic colloidal metal compositions and methods
WO2011070203 A2 20110616	ES20090031148;	DOMINGUEZ VERA JOSE MANUEL;GALVEZ RODRIGUEZ NATIVIDAD;SANCHEZ SANCHEZ PURIFICACION;UNIV GRANADA;VALERO ROMERO ELSA;	A61K51/08; B82Y5/00; A61K49/14;	Multifunctional vectorised nanostructures that can be used as trimodal (mri, oi and spect) diagnosis agents
WO2011123030 A1 20111006	SE20100050300; US20100318827P ;	AXELSSON OSKAR;EK FREDRIK;PETORALJR RODRIGO M;SPAGO IMAGING AB;	A61K51/12; A61K49/18;	Nanoparticles comprising a core of amorphous rare earth elementhydroxide and an organic coating
JP2011207890 A 20111020	US19990429185;	THREE M INNOVATIVE PROPERTIES;	A61K6/00; A61K6/06; A61K6/08; A61K6/083; A61C13/00;	Radiopaque dental material with nano-sized particle
JP2011178807 A 20110915	US19990428937;	THREE M INNOVATIVE PROPERTIES;	A61K6/083; A61K6/00; A61K6/06; A61K6/08; A61K6/027;	Dental material with nano-sized silica particle

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US2011286943 A1 20111124	US20040814660; US20060640136; US20100317135P ;US20100354109 P;US2011130710 50;		A61K8/02; A61Q17/04;	Compositions and methods for providing ultraviolet radiation protection
US2011033513 A1 20110210	US20060611501; US20100909152;		A61K8/02; A61Q5/12; A61K8/92; A61K8/81; A61Q5/02; A61Q17/04; C11D3/60; B01J13/18;	Encapsulated active material containing nanoscaled material
JP2011116713 A 20110616	JP20090276726;	KAO CORP;	A61K8/04; A01N25/00; A61K8/11; A61K47/20; A01P3/00; A61K9/10; A61K8/36; A61K9/51; A61K8/34; A01N25/04; A61K8/46; A01N31/14; A61Q11/00; A61K47/02; A61K47/12;	Method of manufacturing liposolubility drug internal capsulenanoparticle

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KR20110043754 A 20110427	EP20080162286;	BASF SE;	A61K8/27; C09C1/04; C01G9/02; C08K3/22;	Process for the preparation of nanoparticulate zinc oxide

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ES2369912T T3 20111209	FR20010000696;	OREAL;	A61K8/31; A61Q1/00; B01F17/00; A61K8/891; B01F17/44; A61K9/00; A61Q5/00; A61K8/06; B01F17/14; A61K8/36; A61Q1/02; A61K8/98; A61K8/89; A61K8/44; A61K47/14; A61K8/60; A61K8/86; A61K47/16; A61K9/107; A61K8/39; A61K8/02; A61K8/34; A61K8/55; A61Q19/00; A61K8/97; A61K8/00; A61K47/24; A61K47/34; B01F17/56; B01F3/08; A61K8/49; A61K8/37;	Nanoemulsion translucida, su procedimiento de fabricacion y susutilizaciones en los ambitos cosmetico, dermatologico y/u oftalmologico.

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US2011039950 A1 20110217	EP20080007291;E P20080019490;W O2009EP02511;	COGNIS IP MAN GMBH;	A61K8/92; A61K47/26;	Alkyl and/or alkenyl ethers of alkyl and/or alkenyl (poly)glycosides and their use
CN102078273 A 20110601	CN20111003599;	FEI WANG;	A61K8/97; A61K8/29; A61K8/28; A61Q19/10; A01P3/00; A61P31/02; A01N65/42;	Antibiosis plant extract spray
CA2767583 A1 20110113	US20090223691P ;WO2010IB53104;	SABANCI UNIVERSITESI;	A61K9/00;	Crosslinked protein nanocrystals, crosslinked protein nanoaggregates and method of preparation thereof
US2011045031 A1 20110224	US20020356856P ;US20030367646; US20040790153; US20070678146; US20100876695;	ENSYSCE BIOSCIENCES INC;	A61K9/00; A61K47/48; A61K49/00; A61P35/00;	Use of buckysome or carbon nanotube for drug delivery
WO2011156711 A1 20111215	US20100353366P ;	BARRIENTOS AFRICA GARCIA;BARRY JUSTIN N W;KENDALL KEITH JOSEPH;MOUS JAN;MYERS GARRY L;RADEMACHER THOMAS;SCHOBEL ALEXANDER M;WILLIAMS PHILLIP;	A61K9/00; A61K9/20; A61K38/28; A61K47/48; A61K9/70;	Nanoparticle film delivery systems
EP2355864 A2 20110817	US20080114687P ;US20090168844 P;WO2009US643 76;	UNIV OHIO STATE RES FOUND;UNIV TEXAS;	A61K9/00; A61M37/00; A61M5/00; A61M5/14; B81C1/00;	Nanochanneled device and related methods

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WO2011079356 A1 20110707	BR2009PI12489;	CORREA JUNIOR ARY;LADEIRA LUIZ ORLANDO;RODRIGUES LEONARDO;UNIV MINAS GERAIS;	A61K9/00; A61P3/00; B82B1/00; C12N15/87;	Carbon nanotube conjugate for inhibiting pathogenic infectionstructures in plants
WO2011101420 A1 20110825	SE20100000157;	SOLIN NICLAS;	A61K9/00; B82Y30/00;	Preparation of functionalized nano/micro-structures byself-assembly of biomolecules
KR20110114695 A 20111019	US20030531531P ;US20040583170 P;US2004060497 0P;	UNIV NORTH CAROLINA;	A61K9/00; G03F7/00; A61K9/51; H01L21/027; H01L21/02;	Methods for fabricating isolated micro- and nano- structuresusing soft or imprint lithography
WO2011112883 A1 20110915	US20100313512P ;US201161439141 P;	PORNATTANANANGKUL DISSAYA;UNIV CALIFORNIA;ZHANG LIANGFANG;	A61K9/127; A01N25/28; A01N25/26;	Triggered cargo release from nanoparticle stabilized liposomes
WO2011095353 A1 20110811	EP20100001221;	FOERCH RENATE;JENKINS ANDREW;MAX PLANCK GESELLSCHAFT;	A61K9/127; A61L15/22; A01N25/28; A61K9/133; A01N25/34; A61K9/51;	Active antimicrobial compositions, coatings and methods forcontrolling pathogenic bacteria
CA2767976 A1 20110203	GB20090013442; WO2010IL00614;	UNIV RAMOT;	A61K9/127; C12N15/88; A61K9/52; A61K47/48; C12N15/87;	Cell-targeting nanoparticles comprising polynucleotide agentsand uses thereof
NZ578693 A 20110826	US20070887553P ;WO2008US52728 ;	UNIV RUTGERS;	A61K9/14;	Controlled release of actives in skin
US2011117201 A1 20110519	IN2008MU01569; WO2008IN00821;		A61K9/14; A01N65/44; A01P1/00;	Composition for treatment of water

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US2011104287 A1 20110505	US20070980842P ;US20080738781; WO2008US80495;		A61K9/14; A61K31/55; A61K31/395; C07D487/00; A61P35/00; A61P37/02;	Fenoldopam formulations and pro-drug derivatives
US2011300219 A1 20111208	US20080106792P ;US200913122615 ;WO2009US05687 ;	BRIGHAM & WOMENS HOSPITAL;MASSACHUSETTS INST TECHNOLOGY;	A61K9/14; A61K33/00; A61K39/00; A61K31/282; A61P35/00;	Nanostructures for drug delivery
US2011014296 A1 20110120	US20090504926;	UNIV NAT CHIAO TUNG;	A61K9/14; A61K38/02;	Drug delivery nanodevice, its preparation method and uses thereof
ES2365506T T3 20111006	DE20011021982;	LOHMANN THERAPIE SYST LTS;	A61K9/14; A61K38/08; A61P25/04; A61K47/42; A61K31/4375; A61K47/48; A61K9/51; A61K9/26; A61P35/00; A61K47/08; A61P43/00; A61K31/704; A61K31/4741; A61K31/197; A61P25/28; A61K31/451; A61K47/18; A61K47/20;	Nanoparticulas de proteina con apolipoproteina e acoplada para la superacion de la barrera hematocefalica y procedimiento para su fabricacion.

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US2011223201 A1 20110915	US20090214229P ;US20100764569;	SELECTA BIOSCIENCES INC;	A61K9/14; A61K39/39; A61P37/04;	Immunonanotherapeutics providing a th1-biased response
US2011020242 A1 20110127	US20070013233P ;US20080104506 P;US2008074781 5;WO2008CA0220 3;		A61K9/14; A61K49/00; C07K17/02; A61K49/14; A61P35/00;	High-density lipoprotein-like peptide-phospholipid scaffold (hpps")nanoparticles"
US2011027174 A1 20110203	US20030527454P ;US20040005412; US20040553907P ;US20080112986; US20100905858;		A61K9/14; A61P35/00; A61K51/12;	Nanotubes for cancer therapy and diagnostics
US2011293705 A1 20111201	US20080200160P ;US200913130845 ;WO2009US06290 ;	MASSACHUSETTS INST TECHNOLOGY;	A61K9/14; A61P37/06; A61K9/127; A61K35/12; A61P31/00; A61P35/00; C12N5/0783;	Methods and compositions for localized agent delivery
US2011206772 A1 20110825	US20080056571P ;US20090993711; WO2009US45494;	TUFTS COLLEGE;	A61K9/14; B32B5/16; A61K47/36; C08B37/00;	Polysaccharide composition and methods of isolation of the emulsionstabilizing cationic polyelectrolytic polysaccharide
US2011111002 A1 20110512	US20090616820;		A61K9/14; C12N13/00; A61K31/195; A61K9/00; A61P43/00; A61K9/127; A01H5/00;	Transport and delivery of glutathione into human cells using goldnanoparticles

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US2011206619 A1 20110825	US201113098417; US201161447740 P;	PASTEUR INST OF IRAN;	A61K9/14; G01N24/00; H01F1/06; A61K49/06;	Gold coated super paramagnetic iron oxide nano-particles(spions) and a method of synthesizing the same
EP2275094 A2 20110119	EP19960932321; US19950004488P ;US19960696754;	ELAN PHARMA INT LTD;	A61K9/16; A61K47/30; A61K49/18; A61K9/14; A61K45/06; B82Y5/00; A61K49/04; A61K9/127;	Reduction of intravenously administered nanoparticulate-formulation-induced adverse physiological reactions
KR20110036810 A 20110411	US20080061697P ;US20080061704 P;US2008006176 0P;US200800881 59P;US20080105 916P;US2008010 6777P;US200901 69514P;US20090 169519P;US2009 0169541P;US200 90173784P;US20 090173790P;US2 0090175209P;US 20090175219P;U S20090175226P; US20090182300P ;	BIND BIOSCIENCES INC;	A61K9/16; A61K47/34; A61K33/24; A61K31/337;	Drug loaded polymeric nanoparticles and methods of making and using same

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US2011284081 A1 20111124	US20040782017; US20040836307; US20090564042;		A61K9/16; B82B3/00; A61K9/50; H01L31/0264; H01L21/20; H01L31/0256; H01L31/00; H01L21/00; H01L31/18; H01L31/0392;	Photovoltaic thin-film cell produced from metallic blend using high-temperature printing
JP2011178788 A 20110915	US20020415749P ;	ELAN PHARMA INTERNATL LTD;	A61K9/20; A61K9/14; A61K9/16; A61K47/32; A61L2/00; A61L2/08; A61K9/48; A61K31/192;	Gamma irradiation of solid nanoparticulate active agent
KR20110124168 A 20111116	KR20100043559;	NAT UNIV CHONBUK IND COOP FOUN;	A61K9/32; C08G63/18; A61P35/00; B82B3/00;	Hpx compound, manufacturing method thereof, pharmaceutical composition for preventing or treatment of inflammatory disease, drug delivery vector and imaging contrast agents comprising hpx compound as an effective component
US2011059162 A1 20110310	US20090240033P ;US20100875820;		A61K9/48; A61K31/715; A61K9/00; A61K39/00; A61P31/04; A61K9/127;	Tannin-chitosan composites
WO2011011333 A2 20110127	US20090227012P ;	JANOSKY ROBERT;NANOINK INC;ROSNER BJOERN;SANDEEP DISAWAL;	A61K9/48; B81C1/00; A61J3/07;	Nanomolding micron and nano scale features

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US2011064675 A1 20110317	US20080039293P ;US20100887689; WO2009US38112;	UNIV DELAWARE;UNIV EMORY;	A61K9/50; A61K49/14; A61K49/16; A61K33/26; A61P35/00; A61K39/395;	Elemental iron nanoparticles
AU2009346580 A1 20111027	IN2009KO00779; WO2009IN00639;	INST OF LIFE SCIENCES;	A61K9/51; A61K31/231; A61K33/26;	Water dispersible glyceryl monooleate magnetic nanoparticle formulation
US2011224288 A1 20110915	US20070976197P ;US20080059496; US201113109456;	BIND BIOSCIENCES INC;	A61K9/51; A61K31/74; A61K9/00;	Cancer cell targeting using nanoparticles
US2011008262 A1 20110113	TW20020138150; US20030747049; US20100886083;	IND TECH RES INST;	A61K9/51; A61K47/48; A61K31/137;	Drug delivery system targeting to estrogen receptor over-expressed cells
US2011311639 A1 20111222	US20100356707P ;US201113165103 ;	OLD DOMINION UNIVERSITY RES FOUNDATION;	A61K9/51; C08F8/02; C08F8/34; C08F2/46; C08F136/22; C08F8/14;	Facile route to the synthesis of resorcinarene nanocapsules

Número de Publicação	Prioridade	Depositantes	Classificação	Título
ES2360638T T3 20110607	US20060554214;	MCNEIL PPC INC;	A61K9/70; A61K9/51; A61K45/06; A61K33/38; A61L15/18; A61K33/36; A61P17/00; A61K33/06; A61K33/32; A61K33/24; A61K33/26; A61K9/00; A61K33/28; A61K47/48; A61K33/30;	Nanopartículas con revestimiento metálico para su uso en el tratamiento de dermatitis enzimática.
WO2011136672 A1 20111103	PL20100391056;	HECZKO PIOTR B; LABUZ PRZEMYSŁAW; MACYK WOJCIECH; STOCHEL GRAZYNA; STRUS MAGDALENA; UNIV JAGIELLONSKI;	A61L12/08; A01P1/00; A01N59/00; A61L12/06; A01N37/40; A01N31/16; A01N43/16; A01N59/16; A01N43/08;	Composition in the form of liquid for maintenance of contact lenses and medical materials
RU2426560 C1 20110820	RU20100125025;	FOND SAL VATORE MAUDZHERIKLINIKA TRUDA I REABILITATSII; INST PRIKLADNOJ NANOTEKHNOLOGII AOZT; SIB LEHBORETRIS LTD;	A61L15/12; B82B1/00; A61L15/18;	Composition for antiseptic processing woven materials
CN102065848 A 20110518	US20080046659P ; WO2009US410903 ;	3M INNOVATIVE PROPERTIES CO;	A61L15/18; A61K9/51;	Nitric oxide-releasing compositions, devices and methods

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011201984 A1 20110818	US20030463766P; US20030466229 P;US2003046839 0P;US200304686 06P;US20030661 381;US200405497 11P;US20040792 402;US200408258 61;US2004082810 0;US20040833944 ;US20040840794; US20040902700; US20050090895; US20060330722; US201113096919;	NANOSYS INC;	A61L15/58;	Medical device applications of nanostructured surfaces
US2011112232 A1 20110512	US20080075258P; US200913000765 ;WO2009US48467 ;		A61L2/10; C08K3/18; B01J31/26; C07C39/14; A61L2/08; B01J31/38;	Enhancement of electron scavenging by water-soluble fullerenes
WO2011073697 A1 20110623	WO2009HU00106 ;	KIRICSI IMRE;KISS SANDOR CSABA;KONYA ZOLTAN;SZEGEDI SZEFO ZRT;VARGA ZITA;	A61L2/238; D06M16/00; D06M23/08; D06M13/02; D06M15/227; A01N55/02; D06M13/203; D06M13/188; D06M11/83;	Method for producing antibacterial fabrics

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011150737 A1 20110623	US20040592913; US20100928185; WO2004CH00151 ;		A61L27/12; C01G1/02; C01B17/96; C01G1/00; C01B13/34; C01F11/46; C01B25/455; C01B25/32; C01F11/18;	Flame synthesis of metal salt nanoparticles, in particularcalcium and phosphate comprising nanoparticles
EP2319461 A1 20110511	EP20070112076;E P20080774897;EP 20100194575;	ASTRA TECH AB;	A61L27/30; A61L27/04; C23C8/10; A61C8/00; C23C22/46; C23C26/00; C23C8/00; A61K6/04; A61L27/50; A61C13/00; C23G1/10; B82Y30/00; A61L27/06; B82Y5/00; C23F1/26; A61F2/30;	Nanosurface
EP2381972 A2 20111102	US20090179639P ;US20090206071 P;WO2010US002 43;	CALIFORNIA INST OF TECHN;	A61L27/56; A61L27/54; A61L27/44;	Drug delivery and substance transfer facilitated bynano-enhanced device having aligned carbon nanotubes protruding from device surface

Número de Publicação	Prioridade	Depositantes	Classificação	Título
AU2009326818 A1 20110707	US20080121784P ;WO2009CA01814 ;	GOVENORS OF THE UNIVERSITY OF ALBERTA;	A61L31/16; A61K9/14; A61P37/06; A61K39/385;	Methods and systems for inducing immunologic tolerance to non-selfantigens
US2011171077 A1 20110714	GB20060022418; US20070514192; US20070686687; WO2007GB04304 ;	VAPALIGHT LTD;	A61L9/03;	Vapour delivering device
US2011014264 A1 20110120	US20040007867; US20100888864;	BOSTON SCIENT SCIMED INC;	A61M31/00; A61K31/726; A61P35/00; A61K38/02; A61P43/00; A61F2/82;	Medical devices having nanostructured regions for controlledtissue biocompatibility and drug delivery
US2011201994 A1 20110818	US20050197869; US201113088730;		A61M37/00;	Methods to regulate polarization of excitable cells
US2011238001 A1 20110929	US20050649457P ;US20060347075; US201113151858;		A61M37/00;	Nanoparticle based photodynamic therapy and methods of makingand using same
US2011218380 A1 20110908	DE201010009883;		A61M37/00; A61P9/00; A61K49/04;	Magnetic nanoparticle and group of nanoparticles
WO2011034939 A1 20110324	US20090242691P ;	ROSSI MARVIN A;UNIV RUSH MEDICAL CENTER;	A61N1/00;	Energy-releasing carbon nanotube transponder and method of usingsame
US2011034969 A1 20110210	AU20070906334; WO2008AU01718;		A61N1/05;	Electrode array for a cochlear implant
US2011066219 A1 20110317	US20050667897P ;US20060396340; US20100892659;	UNIV NEW YORK;	A61N1/05;	Conducting polymer nanowire brain-machine interface systems andmethods

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011104073 A1 20110505	US20070885512P ;US20090522938; US20100880653; WO2008US50557;		A61N2/00; B05D5/12; A61P35/00; A61K49/00;	Iron/iron oxide nanoparticle and use thereof
US2011212410 A1 20110901	US20040552018P ;US20070591960; US201113083753; WO2004US14527; WO2004US16299; WO2005US07708;	LEDEEP LLC;	A61N5/06; A61C19/06;	Phototherapy method for treating psoriasis
US2011135744 A1 20110609	US20090266295P ;US20100958738;	UNIV CALIFORNIA;	A61P15/02; A61K9/14; A61P29/00; B32B5/16; A61P11/00; C08F112/08; A61K31/745; A61P11/06; A61P1/00;	Nanoparticle based therapy for dispersing mucin
US2011059172 A1 20110310	US20080024451P ;US20090865094; WO2009US32263;		A61P21/00; A61P25/00; A61K9/00; A61K38/43; A61K38/16; A61K9/14; A61K38/46; A61P19/00; A61P1/16; A61K38/47;	Therapeutic compositions

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011008453 A1 20110113	US20060861616P ;US20070998362; US20090215873P ;US20100777920;	MARINUS PHARMACEUTICALS;	A61P27/02; A61P17/04; A61K31/58; A61K9/14; A61P11/00;	Stable corticosteroid nanoparticulate formulations and methods for the making and use thereof
US2011200657 A1 20110818	US20050706429P ;US20060501007; US201113096836;	NANOBIO CORP;	A61P29/00; A01N25/00; A61P31/00; A01P1/00; A61P33/00; A01P3/00; A61K9/107;	Methods of using nanoemulsion compositions having anti-inflammatory activity
US2011250134 A1 20111013	US20100323832P ;US201113086346 ;		A61P31/00; A61P9/00; A61P25/00; A61K38/48; A61K51/06; A61P7/02; A61K38/49; A61P9/10; A61P29/00; A61P35/00; A61P23/02; A61K31/722; A61P37/06; A61K38/14; A61K9/14; A61P25/18; A61K39/395;	Sustained release nitric oxide from long lived circulating nanoparticles

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011052609 A1 20110303	DE200810003615; WO2009DE00038;		A61P31/04; A61P35/00; A61K33/26; A61P19/02; A61P29/00; A61K39/395;	Magnetic transducers
CN202068939U U 20111214	CN20112048252U ;	YUJIE LIU;	A61P31/10; A01P1/00; A61K33/38; A41B11/00; A01N59/16; A61P31/04; A01P3/00;	Socks capable of preventing palmoplantar keratoderma rhagadia and tinea pedis rhagadia
US2011236437 A1 20110929	US20080122139P ;US200913132442 ;WO2009US67724 ;	UNIV CREIGHTON;	A61P31/12; A61K31/7068; A61K31/7072; A61P31/18; C12N5/071; A61K31/708; A61K9/14; A61K31/513; A61K31/675; A61P31/14; A61K31/52; A61K31/536;	Nanoparticles and methods of use
EP2396039 A2 20111221	US20090378100; WO2010US00324;	UNIV HOUSTON;	A61P35/00; A61K33/26; A61K49/18;	Ultrasmall superparamagnetic iron oxide nanoparticles and use thereof

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011104293 A1 20110505	US20080077411P ;US200913002211 ;WO2009US49431 ;		A61P35/00; A61K39/07; A61P31/16; A61K39/145; A61K9/50; A61K39/00; A61P31/04;	Synergistic induction of humoral and cellular immunity bycombinatorial activation of toll-like receptors
US2011177153 A1 20110721	CN20051095000; WO2006CN02790 ;	HONG ZHU;	A61P35/00; A61K39/395; A61K9/127; A61K9/00; A61K9/14;	Targeted nanoparticle drug for magnetic hyperthermia treatmenton malignant tumors
MX2010013322 A 20110121	EP20080157686; US20080060202P ;WO2009EP56880 ;	NANOBIOTIX;	A61P35/00; A61K41/00;	Inorganic nanoparticles of high density to destroy cells in-vivo.
EP2379114 A1 20111026	EP20080171870;E P20090768395;W O2009EP67136;	FUNDACIO PRIVADA INST CATALA DE NANOTECNOLOGIA;FUNDACIO PRIVADA INST DE RECERCA DE L HOSPITAL DE LA SANTA CREU I SANT PAU;INSTITUCIOCATALANA DE RECERCA I ESTUDIS AVANCATS;UNIV SANTIAGO COMPOSTELA;UNIV VALENCIA;	A61P35/00; A61K47/48;	Conjugates comprising nanoparticles coated with platinumcontaining compounds

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011052496 A1 20110303	US20080067795P ;US20100870215; WO2009IB05426;		A61P35/00; A61K49/00; C07K2/00; A61K39/29; C12N5/10; C12N1/00; A61K39/395; A61P1/16; C07H21/04; C07K14/02; A61K9/14;	Hollow nanoparticles and uses thereof
US2011044911 A1 20110224	US20080042654P ;US20090934048; WO2009US02061;		A61P35/00; A61K49/14; A61K31/175; A61K31/56; A61K49/06; A61K36/18; A61K49/10; A61K49/04;	Use of functionalized magnetic nanoparticles in cancer detectionand treatment
US2011223112 A1 20110915	US20100723646;	IRAN POLYMER AND PETROCHEMICAL INST;	A61P35/00; A61K49/18;	Unsaturated polyester coated magnetic ultra-fine particles forbiological applications
US2011229576 A1 20110922	US20070955678P ;US20080034468 P;US2008067322 4;WO2008US7297 2;	UNIV CALIFORNIA;	A61P35/00; A61K9/14; C08J9/26; A61P37/04; C12N15/87; A61K39/00; A61K31/7088; C12N5/071; B32B5/16;	Hollow silica nanospheres and methods of making same

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011085987 A1 20110414	TW20090134199;	UNIV KAOHSIUNG MEDICAL;	A61P35/00; A61K9/16; A61K49/18;	Folic acid-mediated magnetic nanoparticle clusters for combined targeting, diagnosis, and therapy applications
US2011195030 A1 20110811	US20080105691P; US200913122996; WO2009US60593;	UNIV KENTUCKY; UNIV NORTH CAROLINA;	A61P35/00; B01J13/02; A61K31/337; A61K49/18; A61K9/51; A61K47/14;	Nanoparticle compositions comprising liquid oil cores
US2011144023 A1 20110616	US20090286166P; US20100967708;	UNIV HONG KONG;	A61P35/00; C12N5/00; A61K38/10; A61P7/04; C12Q1/02;	Nano cancer barrier device (ncbd) to immobilize and inhibit the division of metastatic cancer stem cells
US2011014217 A1 20110120	US20080037798P; US20090933223; WO2009US37727;	UNIV YALE;	A61P37/00; A61K39/00; C12N5/0783;	Carbon nanotube compositions and methods of use thereof
CN101945654 A 20110112	JP20070324041; WO2008JP72699;	EZAKI GLICO CO; NANOEGG RES LAB INC;	A61P39/06; A61P1/02; A61K31/385; A61K47/02; C07D339/04; A61P17/00; A61K47/34;	Alpha-lipoic acid nanoparticle and method for producing the same
US2011274624 A1 20111110	US20100322766P; US201113084234;	UNIV RICE WILLIAM M; UNIV TEXAS;	A61P43/00; A61K49/18; A61K49/06; A61K49/08;	Contrast agents in porous particles

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011223203 A1 20110915	US20050751172P ;US20060610986; US20080081034P ;US20080081037 P;US2008026187 3;US20080261907 ;US20100954509; WO2009US50565;		A61P9/00; A61P11/00; A61K51/00; A61K31/58; A61K31/713; A61K31/135; A61K31/437; A61K9/00; A61K31/439; A61K39/00; A61K31/195; A61P19/00; A61P35/00; A61P21/00; A61K38/04;	Nanocluster compositions and methods
US2011142947 A1 20110616	US20090184903P ;US20090248127 P;US2010079627 3;		A61P9/00; C07D303/38; C08G63/91; A61K31/198; A61K9/14; C08B37/08; C07D303/40;	Novel formulations

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011293733 A1 20111201	US20040574409P ;US20050138593; US201113085892;		A61P9/10; A61P25/22; A61P31/10; A61P1/08; A61P7/00; A61P25/20; A61P19/02; A61P19/06; A61P31/04; A61P3/02; A61P25/04; A61P25/24; A61P29/00; A61P25/18; A61P31/00; A61P9/00; A61P11/06; A61P9/12; A61P17/04; A61P25/06; A61P3/10; A61K39/395; A61P11/08; A61K38/02; A61P35/00; A61P11/00; A61K31/7105; A61K31/711; A61P9/06; A61P25/16; A61P37/06; A61P25/08; A61P7/02; A61P3/08; A61K9/14; A61P31/12; A61P7/04; A61P1/04; A61P37/02; A61P3/06; A61P25/00;	Self-assembling nanoparticle drug delivery system
INPI/DICOD/CEDIN/CEPRO Alerta Tecnológico nº 77 – Agosto de 2012 Pedidos de Patente sobre Nanotecnologia Aplicadas à Agricultura no 2º semestre de 2011				

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011268970 A1 20111103	US20040586082P ;US20080631642; US201113177886; WO2005SG00218 ;	AGENCY SCIENCE TECH & RES;	A61P9/12; A61K47/04; B01J31/02; A61P5/00; B32B5/16; A61K48/00; A61K9/14; A61K38/02; B01J31/12; C12N11/14; C01B33/12; A61P31/18; A61P35/00; B01J21/08; A61P3/10; A61P29/00;	Mesoporous nanoparticles
ES2357047T T3 20110415	DE19991019769;	COGNIS IP MAN GMBH;	A61Q15/00; A61K8/02; A61K8/04; A61K8/42; A61K9/51;	Empleo de productos activos antimicrobianos nanometricos endesodorantes corporales.

Número de Publicação	Prioridade	Depositantes	Classificação	Título
CN102166245 A 20110831	CN20111085885;	UNIV NORTHWEST A&F;	A61Q17/02; A61K36/282; A61P11/14; A61P37/04; A61P11/10; A61P1/16; A61P11/06; A61P31/04; A61P35/00; A01N65/12; A61P7/02; A61K8/97; A61P29/00; A61P37/08; A61P9/12; A01P3/00; A01P17/00; A23L3/3472; A61K9/107; A61P9/00;	Oil in water type blumea oil nanoemulsion and preparation method thereof
CN102166314 A 20110831	CN20111085884;	UNIV NORTHWEST A&F;	A61Q17/02; A61P11/14; A61P11/06; A01P17/00; A61K36/899; A01N65/44; A01P3/00; A61K8/97; A61K47/34; A61K9/107;	Oil in water type citationella oil nanoemulsion and preparation method thereof

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011144030 A1 20110616	ES20080000011; WO2009ES00001;		A61Q19/00; A61K38/02; C12P19/28; C08B37/08; A61K8/73;	Conjugate of hyaluronic acid for cosmetic treatment and preparation method
US2011038905 A1 20110217	JP20070096192;U S20080060392;U S20100914482;	FUJIFILM CORP;	A61Q19/08; A61K8/36; A61K8/49; A61K8/64; A61K8/31; A61K8/365;	Skin anti-aging agent for external use
CN102225995 A 20111026	CN20111099493;	UNIV NANJING;	A61Q5/10; A61Q19/00; C08G65/38; A61K8/86; A01N25/22; C12P1/02;	Single-type melanins and their preparation methods and applications
US2011272354 A1 20111110	US20100323860P ;US201113085854 ;	NEW JERSEY TECH INST;	B01D15/08; B01D39/00; C02F1/02; C02F1/44;	Membrane distillation apparatus and methods
US2011127165 A1 20110602	US20030738465; US20080315219; US201113023807;	INTEL CORP;	B01D15/34; B01D67/00; G01N27/447; G01N30/00;	Sieving media from planar arrays of nanoscale grooves, method of making and method of using the same
USRE42249E E1 20110329	US20010268365P ;US20020073935; US20020347002P ;US20030338654; US20080217114;	STC UNM;	B01D21/00; B01D11/00; B01D61/14;	Nanostructured separation and analysis devices for biological membranes

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011220574 A1 20110915	US20080056940P ;US20090995160; WO2009US45675;		B01D29/00; B01D61/00;	Membranes with functionalized carbon nanotube pores for selective transport
CN102239409 A 20111109	US20080120253P ;WO2009US67025 ;	NANOIVD INC;	B01D29/01; B01L3/00; G01N33/543; C12M1/12; G01N33/50; H01L29/06; H01L29/786; B01D29/64; G01N1/34; G01N33/49; B01D29/90; B01D29/86;	Microfluidic-based lab-on-a-test card for a point-of-care analyzer
DE10201000150 4 A1 20110804	DE201010001504;	BOSCH GMBH ROBERT;	B01D39/00; B81C1/00; B81B1/00;	Method for manufacturing e.g. Microfilter unit, that is utilized for filtering e.g. Medium in food product application, involves separating filter layers by etching processes such as wet-chemical or dry-chemical etching processes
CA2782877 A1 20110728	US20100297704P ;WO2011US22163 ;	APPLIED NANOSTRUCTURED SOLS;	B01D39/08; B01J20/20;	Filtration systems and methods related thereto using carbon nanotube-infused fiber materials of spoolable length as a moving filtration medium
US2011210060 A1 20110901	US20100308488P ;US20100330462 P;US2010038348 7P;US201003835 69P;US20111303 2227;	CLARCOR INC;	B01D39/16; B29C47/06;	Expanded composite filter media including nanofiber matrix and method
US2011266213 A1 20111103	KR20100041315;	KOREA INST SCI & TECH;	B01D39/20; B05D1/04;	Ultrafine continuous fibrous ceramic filter and method of manufacturing same

Número de Publicação	Prioridade	Depositantes	Classificação	Título
WO2011061224 A1 20110526	FR20090058185;	COMMISSARIAT ENERGIE ATOMIQUE;GUIZARBENOIT;MAS KROT HICHAM;	B01D47/02; B01D47/06;	Device for recovering nanopowders and ultrafine powderscontained in a gas
US2011162527 A1 20110707	US20100293156P ;US20110986572;		B01D53/02; C03C11/00; B01D15/08; B81B1/00;	Microstructured fibre frit
US2011271838 A1 20111110	US20100323864P ;US201113085590 ;	NEW JERSEY TECH INST;	B01D53/04;	Microtrap assembly for greenhouse gas and air pollution monitoring
HK1097793 A1 20110114	US20030452530P ;US20030468109 P;US2003049937 5P;WO2004US06 811;	SELDON TECHNOLOGIES LLC;	B01D53/22; C12H1/044; B01D71/02; A61L2/00; B01J20/20; B01D15/00; C02F1/44; C12H1/052; B01D69/14; A61L2/23;	Purification of fluids with nanomaterials
US2011052463 A1 20110303	US20100870291; WO2008US79048;	UNIV BROWN;	B01D53/64;	Nanostructured sorbent materials for capturing environmentalmercury vapor
US2011180385 A1 20110728	US20100695566;	RAYTHEON CO;	B01D53/86; B01J19/08; H05B6/80; B01J19/12;	Control of catalytic chemical processes

Número de Publicação	Prioridade	Depositantes	Classificação	Título
CN102233269 A 20111109	CN20101156242;	XINGFU TANG;XINJIAO JIANG;	B01D53/86; B01J23/50; A61L9/00; A01N59/16; A01P1/00; B01D53/72; B01J23/66;	Integral nano material with high-efficiency removing formaldehyde at room temperature and broad-spectrum long-acting antibacterial property at same time
US2011100817 A1 20110505	US20080046664P; US20080050411 P;US2009098871 3;WO2009US4127 9;	UNIV LOUISVILLE RES FOUND;	B01D57/02; B81B1/00; G01N27/447;	Microfluidic devices and methods of using same
AU2010260438 A1 20111124	US20090487531; WO2010US36360;	BOEING CO;	B01D61/02; B01D67/00; B01D71/56; C01B31/02; B01D69/14; B01D69/12; B01D71/02;	Methods and systems for incorporation carbon nanotubes into thin film composite reverse osmosis membranes
US2011186516 A1 20110804	JP20060100958;U S20090225729;U S201113033210; WO2007JP56580;	BIOSENSOR INC;	B01D61/24; D01F9/12;	Method of producing a carbon nanotube fragment
WO2011016274 A1 20110210	JP20090180267;	ICHINOSE IZUMI;NAT INST FOR MATERIALS SCIENCE;PENG XINSHEN;	B01D69/00; B01D71/74; B01D61/14;	Filter for separation of organic high-molecular substance and method for separating organic high-molecular substance
US2011120936 A1 20110526	US20080061099P ;US20090996857; WO2009US46859;	UNIV TOLEDO;	B01D69/10; B01D61/10; C08L79/00; B32B1/02; C08G73/02;	Anti-biofouling materials and methods of making same

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JP2011221032 A 20111104	US20030368976;	INTEL CORP;	B01D71/02; C12Q1/68; G01N21/65; B01D67/00;	Metal coated nanocrystalline silicon as substrate of surfaceenhanced raman spectroscopy (sers)
JP2011020005 A 20110203	JP20090164497;	DAINICHI IND;	B01F11/00; B01F5/04; C02F1/78; B01F3/04; A01G31/00; C02F1/50;	Nano bubble generator
US2011091560 A1 20110421	US20090253814P ;US20100355120 P;US2010035645 0P;US201009087 75;	BURNHAM INST MEDICAL RESEARCH;	B01F15/02; A61P35/00; A61K9/14; A61K31/704; A61K47/30; A61K31/337;	Compositions of nanoparticles and methods of making the same
CN102203002 A 20110928	US20070974310P ;US20070981920 P;US2008004002 2P;US200800691 08P;US20080069 905P;US2008012 3796P;US200801 24290P;US20080 126899P;WO2008 US77239;	CYTIMMUNE SCIENCES INC;	B01F3/12; B82B1/00;	Nanotherapeutic colloidal metal compositions and methods
CA2777935 A1 20110428	JP20090243930; WO2010JP67356;	NAKAMOTO YOSHINORI;	B01F5/00; B01F5/02; B01F3/04;	Micro-bubble generator and micro-bubble generation device
US2011006269 A1 20110113	US20070987988P ;US20080743099; WO2008US83592;	ADVANCED TECH MATERIALS;	B01J13/00; C01B13/14;	Solvent-free synthesis of soluble nanocrystals

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DK1975656T T3 20110801	EP20070006702;	INST STEFAN JOSEF;UNIV LJUBLJANA;	B01J13/00; H01Q15/00; G02B6/122;	Metamaterialer og resonansmaterialer baseret på flydendekrystaldispersioner af kolloidale partikler og nanopartikler
WO2011096230 A1 20110811	JP20100025660;	FUCHIGAMI TERUAKI;JIKEI UNIVERSITY;KAWAMURA RYO;KITAMOTO YOSHITAKA;NAKAGAWA MASARU;NAMIKIYOSHIHISA;TOKY O INST TECH;UNIV TOHOKU;	B01J13/02; A61K47/44; A61K47/02; A61K9/16;	Magnetic particles, process for producing same, and medicinalpreparation including magnetic particles
US2011052654 A1 20110303	US20090157339P ;US20100714922;	DOW AGROSCIENCES LLC;	B01J13/18; A01N25/28; A01P7/04; A01N57/16;	Microencapsulated insecticide formulations
US2011200499 A1 20110818	JP20070153366;U S20080155622;U S201113095196;		B01J19/00;	Labelled silica nanoparticles for immunochromatographic reagent,immunochromatographic reagent, immunochromatographic test strip using the same, and immunochromatographic fluorescence-detecting system or radiation-detecting system
US2011042611 A1 20110224	GB20080003378; WO2009EP51539;	CT FUR ANGEWANDTE NANOTECHNOLOGIE CAN GMBH;	B01J19/00; C01B19/04; B22F9/16; C09K3/00;	Reactor for the manufacture of nanoparticles
US2011318256 A1 20111229	JP20090062148; WO2010JP54241;	TAIYO NIPPON SANSO CORP;UNIV OSAKA;	B01J19/00; D01F9/12;	Method of continuously synthesizing oriented carbon nanotubesand apparatus for continuously synthesizing same
US2011244584 A1 20111006	US20080119741P ;US200913131345 ;WO2009IL01137;	TECHNION RES & DEV FOUNDATION;	B01J19/00; G01N33/50; G01N33/92; G01N33/64;	Apparatus and methods for diagnosing renal disorders

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US2011282021 A1 20111117	KR20100043910; KR20110037757; KR20110038421; US20111310444; US201161429413 P;US2011614294 19P;	UNIV KOREA RES & BUS FOUND;	B01J19/08; C08F28/06; H01J37/26; C08G61/02; C08G75/06; C08F32/08; C08G73/06; G06K19/06; C08G61/10; C08F38/00; H01J37/28;	Apparatus and method for modifying physical properties of nanostructure using focused electron beam, and nano-barcode and serial-junction nanowire fabricated thereby
US2011318905 A1 20111229	US20100359662P ;US201113070286 ;		B01J19/08; H01B1/22; C09D11/00; H01L21/20;	Silicon/germanium nanoparticle inks, laser pyrolysis reactors for the synthesis of nanoparticles and associated methods
US2011070143 A1 20110324	US20090244251P ;US20100886805;	AMETHYST RES INC;	B01J19/12; C01B33/021;	Hydrogenation of polysilicon nanowires
US2011278497 A1 20111117	TW20100114925;	UNIV CHINA MEDICAL;	B01J19/12; C09K3/00; B01J19/08;	Nanometal dispersion and method for preparing the same
US2011142727 A1 20110616	US20080146841; US201113022110; WO2005JP23799;	FUJITSU LTD;	B01J19/24;	Method of growing carbon nanotube and carbon nanotube growing system
US2011045969 A1 20110224	US20030503668P ;US20040941800; US20080069041P ;US20090402948; US20090610897; US20100869459;	UCHICAGO ARGONNE LLC;	B01J20/00; B01J21/00; B01J23/00; B01J29/00; B01J37/00;	Subnanometer and nanometer catalysts, method for preparing size-selected catalysts

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ES2353839T T3 20110307	US20060785493P ;	RENSSELAER POLYTECH INST;	B01J20/00; C12Q1/68; B01D15/38; B01J20/29; B01J20/291; B01J20/22; B01D11/00;	Biogel reversible para manipulacion y separacion de nanotubos decarbono con una sola pared.
WO2011016038 A1 20110210	US20090231368P ;	SEMIAT RAPHAEL;TECHNION RES & DEV FOUNDATION;ZELMANOVGRIGOR Y;	B01J20/06; B01J20/28; B01J20/08; B01J20/32; C02F1/28;	Method for removal of selenium contaminants from aqueous fluids
CN101966445 A 20110209	CN20101266711;	UNIV NANCHANG HANGKONG;	B01J20/08; C02F1/62; C02F1/58; B81B1/00; H01F1/10; C02F1/28;	Magnetism-based nanocomposite for simultaneously removing arsenic and fluorine and application method thereof
US2011220518 A1 20110915	US20060763258P ;US20080182880; US20110984216; WO2007US61255; WO2007US61256;	ADVANCED TECH MATERIALS;	B01J20/20; B01D53/02;	Nanoporous articles and methods of making same
CA2774324 A1 20110324	US20090560002; WO2010US48670;	ABS MATERIALS INC;	B01J20/20; C02F1/68; C02F1/28; C08G77/52; B01J20/18; C02F1/70;	Swellable materials and methods of use
US2011269919 A1 20111103	US20100343374P ;US201113096661 ;	NANOMATERIAL INNOVATION LTD;	B01J20/26; C08G73/02; C07C211/55;	Co2 reservoir

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US2011042325 A1 20110224	US20080034808P; US20090153861P; US20090921316; WO2009US36370;	NDSU RES FOUNDATION;	B01J20/26; C12N11/08; C02F1/68;	Polymeric delivery vehicle for nanoparticles
US2011230332 A1 20110922	KR20070117787; KR20070122941; US20080025997; US201113117828;	KOREA INST GEOSCIENCE & MINERA;	B01J20/28;	Oligomer/halloysite composite material and method for preparing the same, and hydrocarbon adsorbent using the same
WO2011091522 A1 20110804	US20100299173P;	PELTON ROBERT;UNIV MCMASTER;YANG SONGTAO;	B01J20/28; B03D1/002;	Nanoparticle flotation collectors
WO2011106694 A1 20110901	US20100339095P;	DAVIS ROBERT C;JENSEN DAVID SCOTT;LINFORD MATTHEW R;UNIV BRIGHAM YOUNG;VANFLEET RICHARD R;YANG LI;	B01J20/282; B01L3/00; B01J20/281; B82Y30/00; G01N30/92;	Method for manufacturing thin layer chromatography plates
US2011168018 A1 20110714	US20100687293;	RES INST OF PETROLEUM INDUSTRY RIPI;	B01J20/34; B01D53/02; B01J29/072; B01J29/04; B01J20/02; C01B31/08;	Hybrid nano sorbent

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CN101973546 A 20110216	US20030506623P ;	3M INNOVATIVE PROPERTIES CO;	B01J21/04; B01J23/52; B01J23/66; B01D53/86; B01J35/10; A62D9/00; B01J21/06; B01J23/06; B01J37/34; B01J23/04; B01D53/94; B01J35/02; B01J23/02; C01B31/20; B01J21/18; B01J37/02; B01J35/00;	Method for oxidizing carbon monoxide
US2011053763 A1 20110303	FR20080001203; WO2009EP52129;	RHODIA OPERATIONS;	B01J21/04; B01J37/08; B01J37/03; B01J21/06; B01J21/02;	Catalyst compositions based on nanoparticles of a zirconiumoxide, a titanium oxide or a mixed zirconium/titanium oxide deposited onto an alumina or aluminum oxyhydroxide support therefor
PT104692 A 20110131	PT20090104692;	UNIV DO MINHO;UNIV NOVA DE LISBOA;	B01J21/06;	Revestimento fotocatalítico para libertação controlada de agentes voláteis
US2011059842 A1 20110310	US20070945491P ;US20080665692; WO2008US67780;	RICE UNIVERSITY;UNIV LEHIGH;	B01J21/06; B01J37/08; B01J37/02; B01J23/30;	Tungstated zirconia nanocatalysts
US2011045967 A1 20110224	FR20080001156; WO2009EP52126;	RHODIA OPERATIONS;	B01J21/08;	Catalyst compositions based on nanoparticles of a zirconiumoxide, a titanium oxide or a mixed zirconium/titanium oxide deposited onto a silica support therefor

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US2011282065 A1 20111117	US20100334804P; US201113107043	UNIV HONG KONG;	B01J21/08; C07D215/00; B01J35/02;	Solid supported gold nanoparticles, methods of use thereof, and methods for making same
CN101983569 A 20110309	CN20101559161;	CHONGQING POLYCOMP INTERNAT CO LTD; UNIV CHINA GEOSCIENCES WUHAN;	B01J21/16; B01J21/06; A01P1/00; A01N25/08; A01N59/16;	Titanium dioxide nano antibacterial agent taking halloysite as carrier and preparation method thereof
RU2414296 C1 20110320	RU20090139846;	INFRA TEKNOLODZHIZ LTD;	B01J21/16; B82B1/00; B01J23/74; C07C1/04; B01J37/02; B01J21/10; B01J23/40; B01J21/18; B01J21/04; B01J21/06; B01J21/00;	Catalyst for synthesis of hydrocarbons from co and h2 and preparation method thereof
EP2311557 A2 20110420	EP20080009730; KR20070094579;	KOREA ENERGY RESEARCH INST;	B01J21/18; B01J23/40; B01J37/18; B01J23/46; B01J37/02; B01J37/08; B01J19/00; B82Y30/00; D01F9/16; B01J35/04; B01J23/755; B01J19/24;	Microtubular reactor module comprising a microtubular honeycomb carbon material and method for producing the microtubular reactor module

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WO2011080066 A2 20110707	DE200910058833;	ASMANN JENS;BAYER TECHNOLOGY SERVICES GMBH;MLECZKO LESLAW;SCHLUETER OLIVER FELIX-KARL;WOLF AUREL;	B01J21/18; C01B31/02; B01J23/42; B01J35/00; B82Y30/00;	Nitrogen doped carbon nanotubes with metal nanoparticles
US2011223333 A1 20110915	JP20100058180;		B01J21/18; C23F1/28; C23C16/44; C23F1/40; C23F1/16; B01J23/755; C23C16/26; C23F1/30; C23F1/00;	Method of treating catalyst for nanocarbon production and method of manufacturing nanocarbon
TW201107238 A 20110301	DE200910019747;	BAYER TECHNOLOGY SERVICES GMBH;	B01J21/18; C25B11/12; H01M4/96; C01B31/04;	Process for producing carbon materials having nitrogen modification starting from carbon nanotubes
US2011195836 A1 20110811	US20060806220P; US20070753433; US201113088900;	CABOT SECURITY MATERIALS INC;	B01J23/00; B01J35/10; B01J31/06; B01J27/24; B01J31/02;	Catalytic nanotemplates
CN102010712 A 20110413	CN20101525409;	UNIV SOUTHEAST;	B01J23/10; A01N59/16; A01P1/00; C09K11/78;	Preparation method of $\text{Eu}^{3+}/\text{TiO}_2$ nanocrystal and application of $\text{Eu}^{3+}/\text{TiO}_2$ nanocrystal as fluorescent probe
US2011053765 A1 20110303	US20050740960P; US20060565463; US20100868181;	ENERG2 INC;UNIV WASHINGTON;	B01J23/10; B01J23/755; B01J21/06; C01B31/08; B01J23/00;	Carbon-based foam nanocomposite hydrogen storage material

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CN101952014 A 20110119	CZ20080000095; WO2009CZ00020;	ADVANCED MATERIALS JTJ S R O;	B01J23/28; B01J35/00; B01J37/28; B01D53/86; B01J35/10; B01J23/40; C01G23/053; B01J23/72; B01J21/06; B01J37/00; B01J23/755; B01J23/42; C01G23/047; B01J23/50; B01J23/52;	Titanium dioxide catalyst structure for processes up to 1000 deg c andthe manufacturing thereof
WO2011050345 A1 20110428	US20090254205P ;	BEAUX II MILES F;CANTRELL TIMOTHY C;CORTI GIANCARLO;GONANO TECHNOLOGIES INC;MCILROY DAVID N;NORTON M GRANT;PRAKASH TEJASVI;	B01J23/36; B01J23/22; B01J37/34; B01J35/02; B01J23/72; B01J35/06; B01J35/00; B01J21/08; B01J23/28; B01J23/38; B01J23/745; B01J21/06;	Catalyst materials for reforming carbon dioxide and related devices, systems, and methods

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US2011312490 A1 20111222	US20040628678P ;US20050281575; US20070841893; US20080332908; US201113197269;		B01J23/42; B01J32/00; B01J23/44; B01J35/02; B01J31/02; B01J23/46; B01J31/06;	Methods for preparing catalyst supports and supported catalysts from carbon nanotubes
US2011077147 A1 20110331	US20070008605P ;US20080338736; US20100961870;	UCHICAGO ARGONNE LLC;	B01J23/42; H01M4/88;	Nanosegregated surfaces as catalysts for fuel cells
US2011256469 A1 20111020	US20100321984P ;US201113081809 ;	UNIV GEORGETOWN;	B01J23/46; B01J37/02; H01M4/92; H01M8/22; B01J37/34; B01J37/16; B01J37/08;	Platinum adlayered ruthenium nanoparticles, method for preparing, and uses thereof
ES2365705T T3 20111010	FR20020007785;	COMMISSARIAT ENERGIE ATOMIQUE;	B01J23/745; C01B31/02; B01J35/02; B01J37/02;	Procedimiento y dispositivo de deposición mediante pirolisis de nanotubos de carbono o de nanotubos de carbono dopados con nitrógeno.
KR20110025656 A 20110310	JP20080159790;	SHOWA DENKO KK;	B01J23/76; D01F9/127; C01B31/02; B01J23/85;	Carbon nanofiber, producing method and use of the same
JP2011046611 A 20110310	US20020400208P ;	UNIDYM INC;	B01J23/85; B01J23/745; D01F9/12; C01B31/02;	Method for making single-wall carbon nanotube using supported catalyst
US2011124499 A1 20110526	US20090263541P ;US20100953419;	UNIV NEW YORK STATE RES FOUND;	B01J23/89; B01J37/08; B01J23/42;	Catalytic platinum and its 3d-transition-metal alloy nanoparticles

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US2011027163 A1 20110203	JP20010361992;J P20010372718;U S20040496836;U S20100662676;W O2002JP12445;		B01J29/86; B01J29/88; D01F9/12; C01B31/02; B01J29/072; B01J29/46; B01J29/89; B01J35/06; D01F9/127; B01J29/14;	Hollow nanofibers-containing composition
EP2285479 A2 20110223	PT20080104085; WO2009IB52205;	INNOVNANO MATERIAIS AVANCADOS S A;	B01J3/08;	Nanometric-sized ceramic materials, process for their synthesis and uses thereof
EP2386355 A1 20111116	EP20100162499;	BIOREM ENGINEERING SARL;	B01J31/00; B01J35/00; C07C1/26; B01J35/02; B01J23/89; B22F1/02; B01J23/44; B01J37/02; B22F9/02; B01J23/50; B22F1/00;	Metallic alloys with microbiological component and catalytic properties.
US2011144061 A1 20110616	JP20080194041;J P20090158201;W O2009JP63706;	CANON KK;	B01J31/18; C07F9/6506; B32B1/00; H01B1/12; C09D7/12; H01B3/20; A61K8/49; B01J31/02;	Nanoparticle/dispersant complex, nanoparticle dispersion liquid, and nanoparticle/matrix-material complex

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US2011281205 A1 20111117	KR20040089211; US20050265177; US20100944706;	SAMSUNG SDI CO LTD;	B01J32/00; H01M4/66;	Mesoporous carbon composite containing carbon nanotube
PT1996515E E 20110309	IT2006FI00030;	COLOROBIA ITALIANA SPA;	B01J35/00; C09C1/36; C03C17/25;	Method for the preparation of aqueous dispersions of tio2 in the form of nanoparticles, and dispersions obtainable with this method
WO2011073179 A1 20110623	DE200910058832;	ASMANN JENS;BAYER TECHNOLOGY SERVICES GMBH;SCHAEDLICH ELSAKAROLINE;	B01J35/00; H01M4/92; H01M4/96; H01M4/90; B01J23/50; B01J21/18;	Method for electrochemical oxygen reduction in alkaline media
US2011319260 A1 20111229	JP20070064929;U S20090450171;U S201113224115; WO2008JP54672;	TAIYO NIPPON SANSEI CORP;	B01J35/02; B01J23/745;	Catalyst body for production of brush-shaped carbon nanostructure
US2011171565 A1 20110714	EP20060404002;	SABANCI UNIVERSITESI AT ORHANLI;TUBITAK TURKIYE BILIMSEL VE TEKNOLOJIK ARASTIRMA KURUMU;	B01J35/06; B01J21/18; H01M4/96; B01J37/08; B01J37/34;	Carbon nanofibers containing catalyst nanoparticles
US2011256197 A1 20111020	US20070710386; US20100327189P ;US201113082734 ;	NASA;	B01J37/02; B01J37/16; A01N25/00; C09K5/00; B01J31/06; H01B1/20; B01J21/18; A01N59/16; B05D5/00; H01B1/12;	Preparation of metal nanowire decorated carbon allotropes

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US2011223096 A1 20110915	DE200810060259; WO2009EP08342;	BAYER TECHNOLOGY SERVICES GMBH;	B01J37/025; B01J35/02; B01J27/24; C01B7/04; B01J35/08; B01J31/20; B01J21/06; B01J31/22;	Catalyst for oxidation reactions in the presence of hydrogen chloride and/or chlorine and method for the production thereof, and the use thereof
US2011086756 A1 20110414	US20100973462;		B01J37/025; H01L21/322; B01J21/18; B01J37/08;	Method for preparing silicon intercalated monolayer graphene
US2011212007 A1 20110901	US20100308708P; US201113024500;		B01J37/08; B01D53/94; B01J37/00; B01J29/04;	Low pressure drop extruded catalyst filter
CN101952036 A 20110119	US20060862123P; US20070734143; WO2007US79528;	UNIV CINCINNATI;	B01J37/08; B01J37/02; B01J35/00; B01J23/63; B01J37/34; C01B31/02;	Composite catalyst and method for manufacturing carbon nanostructured materials
CA2773996 A1 20110317	JP20090209844; WO2010JP65514;	HITACHI CHEMICAL CO LTD; UNIV TOKYO;	B01J37/08; C01B3/26; B01J23/745; C01B31/02;	Method for simultaneously producing carbon nanotubes and hydrogen, and device for simultaneously producing carbon nanotubes and hydrogen
AR075706 A1 20110420	EP20090153958;	BASF SE;	B01J37/08; C01B31/02; B01J21/18;	Proceso para la produccion de nanofibras y/o nanotubos de carbono y catalizador
US2011124500 A1 20110526	US20090263558P; US20100953422;	UNIV NEW YORK STATE RES FOUND;	B01J37/16; B01J23/42; B01J23/89;	Catalytic platinum-copper alloy nanoparticles

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US2011104002 A1 20110505	US20080036647P ;US20080922668; WO2008SG00463 ;	UNIV NANYANG TECH;	B01J37/34; A01P1/00; A01P3/00; A01N59/16; A61L2/00;	Method and use of providing photocatalytic activity
US2011052467 A1 20110303	US20080070210P ;US20090736165; WO2009US00173;	UNIV AKRON;	B01J37/34; B01J23/42; B01J23/44; B01D53/56; B01J23/46; B01J8/02; B01J8/18;	Ceramic nanofibers containing nanosize metal catalyst particles and medium thereof
US2011116995 A1 20110519	JP20080107327;J P20090029129;U S20100679869;U S201113011644; WO2009JP56878;		B01J8/00;	Apparatus and method for producing aligned carbon-nanotube aggregates
US2011116993 A1 20110519	US20070973493P ;US20080678894; WO2008US77137;	MASSACHUSETTS INST TECHNOLOGY;	B01J8/02; B01L3/00; C08L33/10; H01B1/20; C08K3/22;	Virus/nanowire encapsulation within polymer microgels for 2d and 3d devices for energy and electronics
US2011171100 A1 20110714	US20070985855P ;US20080266477; US20090418356; US201113053036;	QUANTUM SPHERE INC;	B01J8/02; C01C1/04;	System and method for ammonia synthesis
US2011097247 A1 20110428	KR20070083758; US20080195558; US20100956439;	SEMES CO LTD;	B01J8/08;	Method and apparatus for generating a carbon nanotube
KR20110027715 A 20110316	JP20080170445;	SHOWA DENKO KK;	B01J8/18; C01B31/02; B82B3/00;	Process for producing carbon nanomaterial and system for producing carbon nanomaterial

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CN102008927 A 20110413	CN20101290499;	UNIV BEIHANG;	B01L3/00;	Method for preparing multilayer amorphous alloy based microstructure
EP2342362 A2 20110713	US20080093885P ;WO2009US55876 ;	NABSYS INC;	B01L3/00; C12Q1/68; G01N33/487;	Use of longitudinally displaced nanoscale electrodes for voltagesensing of biomolecules and other analytes in fluidic channels
EP2363205 A2 20110907	EP20060844121; US20060763524P ;US20060771286 P;WO2006US009 31;	RAINDANCE TECHNOLOGIES INC;	B01L3/00; G01N35/08; B01J19/00;	Microfluidic devices and methods of use in the formation and controlof nanoreactors
US2011209611 A1 20110901	US20100714078;		B03C3/01; B01D47/16; F24F7/06;	Nanoparticle filtration
US2011162966 A1 20110707	US20030450985P ;US20040789779; US20100973388;		B03C5/02; C25B9/00; G01Q70/12; C25B15/00;	Systems and methods for making and using nanoelectrodes
WO2011020035 A2 20110217	US20090234132P ;	GREEN ALEXANDER A;HERSAM MARK C;UNIV NORTHWESTERN;	B03D3/00; C01B31/02;	Sorting two-dimensional nanomaterials by thickness using density gradient centrifugation
KR101045268B B1 20110629	KR20100112423;	THERMOLON KOREA CO LTD;	B05B15/00; A01G25/14; B05B11/00;	Sprayer having a movable antibacterial buoy member
KR20110111570 A 20111012	KR20100030703;	KOREA INST SCI & TECH;	B05B5/025; A01N25/08; A01N59/16;	Method and apparatus for antimicrobial air filtering usingnano-electrospray technique based on aerosol process
US2011165337 A1 20110707	US20070916337P ;US20080114446; US201113009675;	NANOSYS INC;	B05B5/025; B05D1/04;	Method and system for printing aligned nanowires and otherelectrical devices
US2011183067 A1 20110728	KR20070096299; WO2008KR05633;	NANOBASE INC;	B05C11/00; C23C16/00; B05D5/12;	Carbon nano tube coating apparatus and method thereof

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US2011198569 A1 20110818	US20080036815P; US20090922331; WO2009US36362;	UNIV ARKANSAS;	B05C11/00; H01L21/20; H01L29/66;	Apparatus and methods of nanopatterning and applications of same
US2011267436 A1 20111103	US20100330123P; US201113098593;	NAUGANEEDLES LLC;	B05C11/10; B05C11/105; H04N13/02;	Nanowire bonding method and apparatus
WO2011130312 A1 20111020	US20100323778P; ;	ELECTRONIC BIOSCIENCES LLC; ERVIN ERIC N;	B05C19/00; C12Q1/68;	Synthetic hybrid nanopore devices and uses thereof
US2011308455 A1 20111222	KR20060012033; US20060567926; US201113223374;	SAMSUNG ELECTRONICS CO LTD;	B05C3/10; B05C11/00;	Method of forming nano-particle array by convective assembly, and convective assembly apparatus for the same
US2011281034 A1 20111117	US20100344050P; US201113106047;		B05D1/02;	Layer-by-layer fabrication method of sprayed nanopaper
US2011201764 A1 20110818	US20040590263P; US20070632196; US201113072880; WO2005US26284;	UNIV RICE WILLIAM M;	B05D1/02; B05D1/38; C08G59/14; B05D5/00; B05D3/00;	Polymer/carbon-nanotube interpenetrating networks and process for making same
US2011135835 A1 20110609	US20090185034P; US20100796281;	MASSACHUSETTS INST TECHNOLOGY;	B05D1/12; B01J19/08; B05B1/02; B05C11/00; B05D5/12;	Method for depositing a carbon nanotube thin film coating on an arbitrary substrate directly from chemical vapor deposition synthesis
US2011045169 A1 20110224	JP20040210223; U S20070571758; U S20100913246; W O2005JP12897;	KONICA MINOLTA HOLDINGS INC; UNIV TOKYO;	B05D1/12; B05D5/06;	Film dispersed of carbon nanotubes and light emitting body

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US2011038909 A1 20110217	US20060562554; US20100901265;	HEIRLOOM HOLDINGS;	B05D1/18; A01N59/16; A01N25/08; B05D5/00; B05D1/02; A01P1/00;	System and method for using nanoparticles for antimicrobial activity
US2011045274 A1 20110224	US20090147942P ;US20100695766;	UNIV FLORIDA STATE RES FOUND;	B05D1/18; B32B27/04; B32B37/14;	Functionalized nanoscale fiber films, composites, and methods for functionalization of nanoscale fiber films
US2011171413 A1 20110714	US201113052059;		B05D1/18; B32B9/00; D06B19/00;	Carbon nanotube embedded textiles
TWI343831B B 20110621	US20020103803;	UNIV NORTH CAROLINA;	B05D1/20; B05D1/18; H01M10/04; H01G9/058; H01M4/04; H01M6/02; H01J9/02; C01B31/02; B82B3/00; H01G9/00; H01M4/86; B01J16/00;	Method for assembling nano objects
US2011068291 A1 20110324	US20070004520P ;US20080313945;	NAT INST OF AEROSPACE ASSOCIATES;	B05D1/24; B05D3/10; H01F1/26;	Metallized nanotube polymer composite (mnpc) and methods for making same

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US2011311722 A1 20111222	US20050669029P; US20050699619 P;US2006049606 5;US20060582605 D;WO2006US136 81;		B05D1/34; B05C9/12;	Method of and system for forming nanostructures andnanotubes
US2011300304 A1 20111208	US20030446124P; US20040774683; US20070890966P; US20080035283; US201113177652;		B05D1/36; B05D1/12; B05B17/00;	Spray self assembly
CN102066009 A 20110518	US20080061806P; US20090473803; WO2009US45473;	MASSACHUSETTS INST TECHNOLOGY;	B05D1/36; B05D5/00; B05D7/24; B82B3/00; B82B1/00;	Coatings
US2011045179 A1 20110224	US20050694545P; US20060450642; US20100938109;		B05D1/38;	Methods for growing and harvesting carbon nanotubes
US2011059243 A1 20110310	US20070680419; US20100941549;		B05D3/00;	Adherends with enhanced surfaces
US2011123726 A1 20110526	US20050217095; US201113019491;		B05D3/00;	Nanostructure sorting
US2011160046 A1 20110630	US20080341255; US201113039742;		B05D3/00; B05D1/30; B01J37/02; B05D1/18; B05D1/02; B01J21/18;	Carbon nanotubes with nano-sized particles adhered theretoand method of preparing same

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US2011064674 A1 20110317	US20080128332P ;US20090994150; WO2009US44917;	UNIV CARNEGIE MELLON;	B05D3/00; B05D1/36; C12Q1/00; B32B1/00; A61K49/18; A61P43/00;	Luminescent multimodal nanoparticle probe system and method of manufacture thereof
US2011228266 A1 20110922	WO2008US83827;		B05D3/00; B05D3/10; C23C16/44; B05D5/06; G01J3/44;	Substrate for surface enhanced raman scattering (sers)
US2011245576 A1 20111006	FR20080001232; WO2009FR00238;		B05D3/00; B32B5/04; B05D1/18; D04H13/00; D03D1/00; A62D3/176; B05D1/36;	Textile fibers having photocatalytic properties for degrading chemical or biological agents, method for preparing same and use thereof in photocatalysis
US2011222179 A1 20110915	US20100312953P ;US201113045150 ;	PACIFIC BIOSCIENCES CALIFORNIA;	B05D3/00; C23F1/02; B05D5/00; G02B5/08; B05D5/06;	Micromirror arrays having self aligned features
US2011281035 A1 20111117	US20100334372P ;US201113106498 ;		B05D3/02;	Chemical synthesis for graphene sheets greater than 1 um in length
US2011293850 A1 20111201	KR20070005201; US20070767273; US201113209718;	SAMSUNG ELECTRONICS CO LTD;	B05D3/02; B05D3/12; B05D1/02; B05D5/12; B05D3/10;	Transparent carbon nanotube electrode with net-like carbon nanotube film and preparation method thereof

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US2011135827 A1 20110609	KR20070026775; WO2008KR01549;	ELECTRONIC AND TELECOMM RES INST;	B05D3/02; B05D5/00; B05D3/10; B05D3/12;	Method of fabricating carbon nanotubes uniformly coated with titanium dioxide
US2011269299 A1 20111103	US20100330082P ;US201113098929 ;	UNIV CALIFORNIA;	B05D3/02; B05D5/00; H01L21/20; B05D3/00; C23C16/48; C23C16/26;	Direct chemical vapor deposition of graphene on dielectric surfaces
US2011235184 A1 20110929	KR20100026817;	SAMSUNG ELECTRONICS CO LTD; UNIV SUNGKYUNKWAN FOUND;	B05D3/02; B05D5/06; G02B1/11;	Anti-reflection structure using surface plasmon and high-k dielectric material and method of manufacturing the anti-reflection structure
US2011204020 A1 20110825	US20100306162P ;US201113025138 ;	NTH DEGREE TECHNOLOGIES WORLDWIDE INC;	B05D3/02; B32B37/14; B05D3/00; H01F1/04; B32B38/00; H01G4/00; B05D3/14; H01F1/01; B05D5/12;	Method of and printable compositions for manufacturing a multilayer carbon nanotube capacitor
EP2288449 A1 20110302	US20080127109P ;WO2009US02876 ;	CENTRE NAT RECH SCIENT; RHODIA OPERATIONS;	B05D3/02; C01F17/00; C09C3/08;	Hybrid nanoscale particles
US2011036268 A1 20110217	JP20080047331; WO2009JP53435;	MURATA MANUFACTURING CO;	B05D3/02; C09D1/00;	Ultrafine zinc oxide particle dispersion solution, method for producing the ultrafine zinc oxide particle dispersion solution, and zinc oxide thin film

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US2011287316 A1 20111124	US20100347195P ;US20100355738 P;US2011131139 71;	ADA TECHNOLOGIES INC;	B05D3/02; H01M4/505; H01G9/035; H01G9/00; B05D5/12; H01M4/131; B05D3/06; H01M4/525; H01L39/24; H01M4/62; H01M4/583; H01L39/12; H01G9/155; H01B1/24; H01B5/00;	High performance carbon nano-tube composites for electrochemical energy storage devices
US2011176130 A1 20110721	US20070967555P ;US20080192632 P;US2008073349 2;WO2008IB0287 2;		B05D3/06; G02B6/10; G01J3/44;	Liquid core photonic crystal fiber biosensors using surface enhanced Raman scattering and methods for their use
US2011036809 A1 20110217	US20040801928; US20060516039; US20100803664;	UNIV NORTHWESTERN;	B05D3/10;	Microchannel forming method and nanotipped dispensing device having a microchannel
US2011287181 A1 20111124	DE200710053157; WO2008DE01801;		B05D3/10; B05D3/02;	Method for producing nanostructures by means of spinodal decomposition
US2011175038 A1 20110721	US20080024071P ;US20090193971 P;US2009035943 5;	COLLEGE OF WILLIAM & MARY;	B05D3/10; H01B1/04; H01B1/02; B05D5/12;	Coated carbon nanoflakes

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US2011268884 A1 20111103	US20100330741P ;US201113098957 ;	UNIV COLUMBIA;	B05D3/14;	Formation of nanoscale carbon nanotube electrodes using a self-aligned nanogap mask
US2011262655 A1 20111027	US20080032068P ;US20090999135; WO2009US35616;		B05D5/00;	Current activated tip-based sintering (cats)
US2011011794 A1 20110120	US20050726651P ;US20060549732; US20100892427;	STC UNM;	B05D5/00; B01D69/04;	Fabrication of enclosed nanochannels using silica nanoparticles
US2011244116 A1 20111006	US20100341651P ;US201113078583 ;	RHODIA OPERATIONS;UNIV PENNSYLVANIA;	B05D5/00; B05C1/00; B05D5/12; B05D1/28;	Selective nanoparticle assembly systems and methods
US2011237862 A1 20110929	US20100317820P ;US201113072416 ;	UNIV ARKANSAS;	B05D5/00; B05D7/00; B05D3/12; B05D3/00; A61N2/02; A61K9/14;	Multifunctional Fe ₃ O ₄ core magnetic-quantum dot fluorescent nanocomposites for rf nano-hyperthermia of cancer cells
US2011240595 A1 20111006	US20030466229P ;US20040833944; US201113160232;	NANOSYS INC;	B05D5/00; C23F1/00; D02G3/00; C09J5/00; B05D3/00; B32B27/04; B05D3/10;	Super-hydrophobic surfaces, methods of their construction and use therefor
US2011206905 A1 20110825	US20100301914P ;US201113022584 ;	CANADA NAT RES COUNCIL;UNIV ALBERTA;	B05D5/00; C25D5/54; B05D3/00; B32B3/30; B05D3/10; B05D1/36;	Method for forming a block copolymer pattern

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US2011165329 A1 20110707	US20090267382P; US20100292444 P;US2010096043 9;	UNIV NORTHWESTERN;	B05D5/00; G01L1/06; B05D1/28;	Force feedback leveling of tip arrays for nanolithography
US2011159240 A1 20110630	US20090264034P; US20100950460;		B05D5/06; B05D1/00; B32B5/16; B05D5/00; B05D3/00; B32B1/00;	Composite nanoparticles for roofing granules, roofing shingles containing such granules, and process for producing same
US2011261473 A1 20111027	US20080045167P; US20090937924; WO2009US35522;	VALSPAR SOURCING INC;	B05D5/06; B32B15/04; G02B5/08;	Articles having improved corrosion resistance
US2011267614 A1 20111103	US20090143670P; US201013142939; WO2010US20640 ;	UNIV BOSTON;	B05D5/06; G01J3/44; B05D5/02;	Engineered sers substrates employing nanoparticle cluster arrays with multiscale signal enhancement
US2011287173 A1 20111124	US20060615831; US201113204373;		B05D5/12; B05D3/00;	Transparent electrically-conductive hard-coated substrate and method for producing the same
US2011200740 A1 20110818	TW20070139396; US20080081517; US201113094201;	NAT UNIV TSINGHUA;	B05D5/12; B05D3/02; B32B37/14;	Method of preparation of a mwcnt/ polymer composite having electromagnetic interference shielding effectiveness
US2011088770 A1 20110421	US20060851652P; US20070871767; US20070911058P; US20070913231 P;US2010090566 4;	CAMBRIOS TECHNOLOGIES CORP;	B05D5/12; G02B5/22; H01L31/0224; H01B11/06; H01J17/49; H01L33/00; G02F1/1368; H01J1/62; H01L31/18;	Nanowire-based transparent conductors and applications thereof

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US2011159367 A1 20110630	KR20090136217; KR20100068590;	IUCF HYU;SAMSUNG ELECTRONICS CO LTD;	B05D5/12; H01B13/00; H01M4/02; H01M4/58; H01M4/42;	Negative electrode including metal/metalloid nanotubes, lithiumbattery including the negative electrode, and method of manufacturing the negative electrode
WO2011038370 A1 20110331	US20090245846P ;	N3D BIOSCIENCES INC;SOUZA GLAUCO R;	B05D5/12; H01F1/04;	Materials for magnetizing cells and magnetic manipulation
US2011262807 A1 20111027	US20100342889P ;US201113092274 ;		B05D5/12; H01M4/04; C23C16/50; H01M4/64;	Carbon nanotube augmented sulfur cathode for an elemental sulfurbattery
US2011183206 A1 20110728	US20090283280P ;US20100959227;	UNIV BRIGHAM YOUNG;	B05D5/12; H01M4/58; H01M4/26; B05D3/02; F27D19/00; H01M4/66;	Apparatus, system, and method for carbon nanotube templatedbattery electrodes
US2011117436 A1 20110519	US20090262011P ;US20100301932 P;US2010094869 7;	PHYSICAL SCIENCES INC;	B05D5/12; H01M4/583;	Silicon whisker and carbon nanofiber composite anode
US2011045180 A1 20110224	US20090272160P ;US20100860958;	UNIV HONG KONG SCIENCE & TECHN;	B05D7/00;	Method of manipulating the surface density of functional molecules onnanoparticles
US2011027454 A1 20110203	AU20050902937; US20070916570; US20100902769; WO2006AU00771;	UNIV SOUTH AUSTRALIA;	B05D7/00;	Dried formulations of nanoparticle-coated capsules

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US2011089096 A1 20110421	US20090270023P; US20090283281P; US20100826940; US20100958595;	UNIV BRIGHAM YOUNG;	B05D7/00; B01D15/08;	Thin layer chromatography plates and related methods
US2011262646 A1 20111027	US20100327191P; US201113023627;	PURDUE RESEARCH FOUNDATION;	B05D7/00; B05D3/10; B05D5/00;	Surfactant-assisted inorganic nanoparticle deposition on acellulose nanocrystals
US2011293706 A1 20111201	US20060473822; US201113184406;		B05D7/02; A61P3/10; A61K9/16; B05D5/00; A61M37/00; A61P35/00; A61K9/127;	Nanoshells on polymers
US2011228264 A1 20110922	US20100316273P; US201113053601;	CABOT SECURITY MATERIALS INC;	B05D7/14; G01J3/44;	Sers nanotags with improved buoyancy in liquids
DE10201004044 7 A1 20110331	EP20090171178;	BASF SE;	B05D7/24;	Method for manufacturing anionic polyelectrolyte layer utilized onfixed substrate i.e. Hyper pure silicon-wafer, involves providing energy in aqueous solution of polyelectrolyte at surface of substrate to separate polyelectrolyte in layer
EP2345676 A1 20110720	JP20080282040; WO2009JP68034;	SHOWA DENKO KK;	B05D7/24; H01L21/027; C08G12/40; B05D1/28; B05D3/06; B05D1/38; B05D3/00; C08F20/34;	Curable composition for transfer material and pattern formation method

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DE102009038236 A1 20110224	DE200910038236;	LAWRENCE PETRA;	B08B17/04;	Material for use in e.g. Underwater ship for preventing decomposition of e.g. Fouling matter on body of vehicle, has carrier foil utilized as carrier material that is equipped with active mechanisms for protection of incrustation of matter
US2011133284 A1 20110609	US20090266798P; US20100718418;		B08B7/00; B32B38/00; H01L27/088; H01L21/302; H01B13/00;	Multiple carbon nanotube transfer and its applications for making high-performance carbon nanotube field-effect transistor (cnfet), transparent electrodes, and three-dimensional integration of cnfets
US2011214850 A1 20110908	US20050684821P; US20060413512; US201113008256;	NANOCOMP TECHNOLOGIES INC;	B21D53/02; F28F7/00;	Nanotube materials for thermal management of electronic components
CA2716144 A1 20110402	US20090272518P;	UNIV WINDSOR;	B22D17/00; C23F1/00; D01D5/08; D01F11/00; C22F1/04;	Method of surface treatment of aluminum foil and its alloy and method of producing immobilized nanocatalyst of transition metal oxides and their alloys
US7909907 B1 20110322	US20060415840; US20090552633;	BABCOCK & WILCOX TECHNICAL SERVICES Y 12 LLC;	B22F1/00;	Methods for high volume production of nanostructured materials
EP2281646 A1 20110209	EP20090164472;	TNO;	B22F1/00; B22F9/24; C22B5/00;	Method and kit for manufacturing metal nanoparticles and metal-containing nanostructured composite materials
KR20110052751 A 20110518	US20040957196;	INTEL CORP;	B22F1/00; B81B7/02; H05K1/00; H01L21/00;	Nano-sized metals and alloys, and methods of assembling packages containing same

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EP2305402 A1 20110406	JP20080167262;J P20080288651;JP 20090071732;WO 2009JP60587;	DAINIPPON INK & CHEMICALS;	B22F1/02; B22F9/24; B22F9/00; C09C1/62; C09C3/10; B22F1/00; H01B1/22; H01B5/00;	Silver-containing powder, method for producing the same, conductivepaste using the same, and plastic substrate
JP2011029566 A 20110210	CN20091143189;	UNIV YANSHAN;	B22F3/02; H01L35/34; B22F3/24; B22F1/00; H01L35/14; C22C12/00; B22F3/14; B22F9/04;	Method for fabrication of high performance densifiednanocrystalline bulk thermoelectric material using high pressure sintering technique
US2011038974 A1 20110217	US20040630988P ;US20050668240 P;US2005072017 1;US20100885015 ;WO2005US42895 ;	NCC NANO LLC;	B22F3/10;	Electrical plating and catalytic uses of metal nanomaterialcompositions
US2011286876 A1 20111124	US20100347627P ;US201113113264 ;	APPLIED NANOTECH HOLDINGS INC;	B22F7/00; B22F3/12;	Thermal management composite materials

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JP2011073136 A 20110414	US20000240216P ;US20010841237;	LIFE TECHNOLOGIES CORP;	B22F9/00; B01J19/00; C01G9/08; C09K11/02; B01F17/28; B01F17/52; G01N33/58; B82B3/00; B22F1/02; B82B1/00; C01B19/04; B01J13/00;	Surface-modified semiconductive and metallic nanoparticle having enhanced dispersibility in aqueous medium
JP2011089205 A 20110506	IL20020150325;	CIMA NANOTECH ISRAEL LTD;	B22F9/04; B22F9/16; B22F1/02; B22F1/00;	Method for producing high-purity metallic nano-powder and nano-powder produced thereby
RU2009126984 A 20110120	RU20090126984;	SLEPTSOV VLADIMIR VLADIMIROVICH;	B22F9/14; A01N25/00; C02F1/50;	Biocidal concentrate
US2011017019 A1 20110127	IN2008MU00936; WO2009IB05401;	TATA CHEMICALS LTD;	B22F9/16;	Process for the preparation of silver nano particles
KR20110031121 A 20110324	KR20090088738;	AMOGREENTECH CO LTD;	B22F9/16; B82B3/00;	Method and apparatus for manufacturing metal nano-particles using alternating current electrolysis
US2011088511 A1 20110421	US20100870792;		B22F9/18;	Method for producing rod-shaped and branched metallic nano-structures by polyol compounds
US2011167962 A1 20110714	US20100857590;		B22F9/18;	Method for the synthesis of metallic nano products
US2011283834 A1 20111124	US20100363663P ;US201113181110 ;		B22F9/18;	One-step synthesis of monodisperse au-cu nanocubes

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CN101941075 A 20110112	CN20091157243;	BEIJING INST GRAPHIC COMM;	B22F9/24; A01N59/16;	Synthetic method of antibacterial agent containing nano-silver
HK1083791 A1 20110304	JP20020224440;J P20030034874;W O2003JP09782;	DAIKEN CHEMICAL CO LTD;OSAKA MUNICIPAL TECHNICAL RES;	B22F9/24; B22F9/20; B22F1/00;	Process for producing metal nanoparticle
WO2011017016 A1 20110210	US20090511634;	GRADECAK SILVIJA;LIM SUNG KEUN;MASSACHUSETTS INST TECHNOLOGY;TSENGCHUN-HAO;	B22F9/24; B81C1/00; B22F1/00;	Selective deposition of nanoparticle on semiconductor substrateusing electron beam lithography and galvanic reaction
EP2358489 A1 20110824	DE200810061703; DE200910015470; WO2009EP08289;	BYK CHEMIE GMBH;	B22F9/24; C09C1/62; B22F1/00;	Method for producing metal nanoparticles and nanoparticlesobtained in this way and use thereof
US2011277590 A1 20111117	US20060444793; US201113112768;	TEKNA PLASMA SYSTEMS INC;	B22F9/30;	Method for producing metal nanopowders by decomposition of metalcarbonyl using an induction plasma torch
US2011298149 A1 20111208	US20040534102P ;US20040976179; US201113041236;	MASSACHUSETTS INST TECHNOLOGY;UNIV TEXAS;	B23K31/02; H05B6/00; H01L29/06; H01L29/745; D02G3/00; C04B35/64; H01L29/22;	Inorganic nanowires
US2011020134 A1 20110127	DK20070001840; DK20070001860; US20070008701P ;US20070009053 P;US2008080878 7;WO2008DK5032 8;	VESTAS WIND SYS AS;	B23P15/04; F03D11/00; H02G13/00;	Lightning receptors comprising carbon nanotubes
EP2340148 A1 20110706	US20080136493P ;WO2009US56400 ;	UNIV CORNELL;	B23Q17/09;	Optical grid for high precision and high resolution method of wafer scale nanofabrication

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US2011252711 A1 20111020	US20100324142P ;US201113077426 ;WO2011US30924 ;	BAKER HUGHES INC;	B24D3/04; B24D3/10; B01J3/06;	Method of preparing polycrystalline diamond from derivatizednanodiamond
US2011252712 A1 20111020	US20100324142P ;US201113077426 ;US201113084003 ;WO2011US32502 ;		B24D3/10; B24D3/04; C09K3/14; B24D3/06;	Method of making a diamond particle suspension and method of making apolycrystalline diamond article therefrom
EP2398733 A1 20111228	WO2009CA00181;	UNIV TORONTO;	B25J7/00; G03F7/00; B81C1/00; H01L21/60; B81B7/02; B81B5/00;	Device for grasping and active release of micro and nano objects
US2011303062 A1 20111215	US20080073555P ;US20080073561 P;US2009048722 7;US20111321353 2;	RAVE LLC;	B26D7/00;	Method for fabricating high aspect ratio nanostructures
US2011266326 A1 20111103	DE200810053691; WO2009DE01513;		B26F3/00;	Cutting device for cutting graphene and a method for cuttinggraphene using a cutting device
US2011301264 A1 20111208	EP20030256951; US20060577880; US201113211617; WO2004EP52765;	HUNTSMAN ADV MAT AMERICAS INC;	B28B11/04; C08J3/20; C08K3/34; C08L63/00; C08K3/18;	Two component curable compositions
US2011054102 A1 20110303	US20050685275P ;US20060443384; US20100861985;		B28B3/00; C08K3/22;	Inert wear resistant ptfe-based solid lubricant nanocomposite

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CN102015234 A 20110413	US20080112723; WO2009US41914;	FINA TECHNOLOGY;	B29B7/30;	Composites comprising a polymer and a layered compound and methods of preparing and using same
US2011260348 A1 20111027	US20100328236P ;US201113095315 ;	UNIV MAINE SYS BOARD TRUSTEES;	B29B9/12;	Method for drying cellulose nanofibrils
KR20110083713 A 20110720	US20080111102P ;US20090606274;	MOLECULAR IMPRINTS INC;	B29C33/42; G03F9/00;	Alignment for edge field nano-imprinting
WO2011004991 A1 20110113	US20090500946;	UNIV KOREA RES & BUS FOUND;	B29C33/56; B82B3/00; H01L21/027; G03F7/075; B29C33/42; B81C1/00; G03F7/09; H01L21/02;	Wide area stamp for antireflective surface
JP2011206981 A 20111020	JP20100075611;	DAINIPPON PRINTING CO LTD;	B29C33/58; B29C59/02; H01L21/027;	Method for manufacturing nano imprint mold, method for manufacturing pattern-formed body, and nano imprint mold
US2011196044 A1 20110811	US20100302984P ;US20100951496;		B29C35/08; A61K31/12;	Production of organic compound nanoparticles with high repetition rate ultrafast pulsed laser ablation in liquids
US2011089612 A1 20110421	JP20070237989;U S20100659595;U S20100978837;W O2008JP66199;	ASAHI GLASS CO LTD;	B29C35/08; B29C59/02;	Tio2-containing quartz glass substrate
US2011014499 A1 20110120	JP20080057849;J P20080066401;W O2009JP54302;	SHOWA DENKO KK;	B29C35/08; G11B5/706; B29C59/16;	Uv nanoimprint method, resin replica mold and method for producing the same, magnetic recording medium and method for producing the same, and magnetic recording/reproducing apparatus
US2011277922 A1 20111117	JP20090022387; WO2010JP50887;	KONICA MINOLTA HOLDINGS INC;	B29C37/00; B05D1/32;	Base material manufacturing method, nanoimprint lithography method and mold duplicating method

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US2011091711 A1 20110421	US20090253229P ;US20100908672;	UNIV MAINE SYS BOARD TRUSTEES;	B29C39/02; B32B5/00; B32B5/02; B29C39/38; C08H7/00; B32B5/18;	Carbon nanostructures from organic polymers
KR20110007224 A 20110121	US20080125516P ;	UNIV AKRON;	B29C41/28; B82B3/00; A01K1/015; D04H3/16;	Nanofiber enhanced functional film manufacturing method using melt film casting
US2011042861 A1 20110224	US19950558809; US19980107006; US20000618174; US20010046594; US20020140140; US20020244276; US20020382961P ;US20030445578; US20100940302;		B29C43/02; B28B1/10; B29C43/36; B29C59/02; G03F7/00;	Methods and apparatus of field-induced pressure imprint lithography
US2011169187 A1 20110714	US20050673394P ;US20060417286; US201113053633;	NASA;US ADM NAT AERONAUTICS AND;	B29C47/00;	Mechanically strong, thermally stable, and electrically conductive nanocomposite structure and method of fabricating same
US2011012296 A1 20110120	JP20070310550; WO2008JP70931;	TOYOTA MOTOR CO LTD;	B29C47/00;	Method for producing carbon nanofiber supporting metal fine particle
KR20110050454 A 20110513	DE200810038523;	BAYER MATERIALSCIENCE AG;	B29C47/00; B82B3/00;	Method for producing composite materials having reduced resistance and comprising carbon nanotubes

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US2011280793 A1 20111117	US20040018678; US20100301279P; US20100911117; US201113020887; US201113188720;	US GOVERNMENT;	B29C47/00; D01F9/155; D01F9/15; D01F9/24; D01F9/22; D01F9/12; C01B31/04;	Carbon nanotube fibers/filaments formulated from metalnanoparticle catalyst and carbon source
US2011171340 A1 20110714	US20020394458P; US20030614716; US20060799496P; US20070669569; US20070744698; US20100717664; US20100838852; US201113073533;	MOLECULAR IMPRINTS INC;	B29C59/02;	Template having a varying thickness to facilitate expelling a gaspositioned between a substrate and the template
US2011223279 A1 20110915	KR20060055538; KR20060125657; US20070745609; US201113113534;	SAMSUNG ELECTRONICS CO LTD;	B29C59/02;	Nano imprint master and method of manufacturing the same
CN102234100 A 20111109	CN20101159414;	HON HAI PREC IND CO LTD;HONGFUJIN PREC IND SHENZHEN;	B29C59/02; B81C99/00;	Pressing die
WO2011111815 A1 20110915	JP20100055379;	BRIDGESTONE CORP;HASHIMOTO MASASHI;INAMIYA TAKATO;KAIDA EIZOU;	B29C59/02; B81C99/00; H01L21/027;	Method for formation of concave-convex pattern using photocurabletranscription sheet, and device for use in the method
JP2011061214 A 20110324	JP20100225103;	CANON KK;	B29C59/02; B81C99/00; H01L21/027;	Transfer device, mold, and device manufacturing method
AU2010242010 A1 20110929	US20090151866P; WO2010US24004;	TUFTS COLLEGE;	B29C59/02; B82B3/00; B29D7/01;	Nanoimprinting of silk fibroin structures for biomedical andbiophotonic applications

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US2011298158 A1 20111208	EP20090153205; WO2010EP51880;	SOLVAY SOLEXIS SPA;	B29C59/16;	Nanolithography process
US2011201240 A1 20110818	US20070569968; US201113093275; WO2003TR00072;	SABANCI UNIVERSITESI;	B29C67/00; D01D5/00; D06M11/13; D01F6/38; D06M13/338; D01F6/42; D06M11/155; D06M11/01; B32B5/16; D06M11/83; B01J31/06;	Metal coated nano fibres
US2011193249 A1 20110811	US20100658591;	GENIA TECHNOLOGIES INC;	B29C67/24;	Systems and methods for forming a nanopore in a lipid bilayer
US2011317160 A1 20111229	WO2009US37167;		B29C70/00; G01J3/44; C23F1/02; B29C35/02;	Broad band structures for surface enhanced raman spectroscopy
EP2368697 A1 20110928	EP20100400019;	EUROCOPTER DEUTSCHLAND;	B29C70/08; B29C65/50;	Reinforced composite part composed of an assembly of at least two different composite members
RU2009124106 A 20110110	GB20060023738;	EHJRBAS OPEREJSHNZ LTD;	B29C70/48; C04B35/83;	Perfected method of producing composite materials
EP2371522 A1 20111005	EP20100003358;	ETH ZUERICH;	B29C70/66; C08J5/04; B29C70/02; C08J5/00; B29C70/88; B29C67/24;	Method for the production of composite materials using magnetichano-particles to orient reinforcing particles and reinforced materials obtained using the method

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US2011027498 A1 20110203	KR20060047655; KR20060074791; US20070681262; US20100900837;	KOREA ADVANCED INST SCI & TECH;	B29C71/04;	Method for fabricating field emitter electrode using array of carbonnanotubes
US2011233799 A1 20110929	KR20080088412; WO2009KR00416;	INDUSTRY ACADEMIC COOPERATON FOUNDATION YONSEI UNIVERSITY;	B29D11/00;	Method for manufacturing lens having functional nanopattern
US2011235182 A1 20110929	KR20100027548;	KOREA ADVANCED INST SCI & TECH;SAMSUNG ELECTRONICS CO LTD;	B29D11/00; B05D5/06; G02B5/28; B32B38/10; G02B5/10;	Reflective structure, display apparatus including the reflectivestructure, and methods of manufacturing the reflective structure and the display apparatus
DE10201004129 0 A1 20110519	PL20090389158;	EKOPAK PLUS;POLITECHNIKA GDANSKA;	B31F1/20; D21H21/36; A01N59/16; B65D5/56; A01N59/20;	Cardboard having biocidal properties, which is made of layers ofpaper, where the cardboard has a biocide area comprising antibacterial components such as particles of nano silver and/or ions of copper, zinc and/or titanium
WO2011049804 A2 20110428	US20090253700P ;	CHERN WINSTON;CHUN IK SU;FANG NICHOLAS X;FERREIRA PLACID M;HSU KENG HAO;LI XIULING;UNIV ILLINOIS;	B32B1/00;	Method of forming an array of high aspect ratio semiconductor nanostructures
US2011236615 A1 20110929	DE200720010891 U;WO2008EP063 34;		B32B1/08;	Molded part
US2011076497 A1 20110331	US20090245920P ;US20100891300;	UNIV FLORIDA;	B32B1/08;	Coated carbon nanotubes and method for their preparation
US2011104412 A1 20110505	US20080041287P ;US20090934125; WO2009CA00393;		B32B1/08; B05D7/22;	Method for depositing silicon nanocrystals in hollow fibers

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US2011114189 A1 20110519	US20080123354P ;US20090936676; WO2009US39697;	VORBECK MATERIALS CORP;	B32B1/08; F17D1/00; H01B1/24; B32B27/20;	Fuel system components
US7867620 B1 20110111	US20070880748;	ROCKWELL COLLINS INC;	B32B13/04; B32B15/04; B32B9/04;	Composite plate comprising carbon nanotube bundles with highthermal conductivity and method for making the same
US2011020650 A1 20110127	KR20050118346; US20060633475; US20100898388;		B32B15/02;	Core-shell type nanoparticles and method for preparing the same
US2011150695 A1 20110623	US20050709561P ;US20060506769;	NANOSYS INC;	B32B15/02; C22C5/04;	Electronic grade metal nanostructures
US2011171137 A1 20110714	US20080136515P ;US200913063205 ;WO2009IL00887;	UNIV RAMOT;	B32B15/04; C09K19/00; B32B15/01; C23F1/00; B23P11/00; B32B9/00; A61K49/18;	Novel nanostructures and process of preparing same
US2011147177 A1 20110623	WO2008JP65128;	TOSHIBA KK;	B32B15/04; H01H59/00; B05D5/12; B05D1/16;	Structure, electronic device, and method for fabricating a structure

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US2011014451 A1 20110120	JP20080051811;J P20080090685;W O2009JP53812;		B32B17/06; C01B31/06; B05D3/02; B32B37/12; B32B5/00; C08L27/18; B32B9/04; B32B3/26; B32B15/04; B32B27/00;	Nanodiamond film
US2011256451 A1 20111020	US20090288708P ;US20100974552;		B32B19/00; B29C39/36; H01L31/02; B32B3/26; H01M4/02; H01M4/66;	Nanotube-based nanomaterial membrane
US2011262772 A1 20111027	WO2008US71853;	UNIV RICE WILLIAM M;	B32B19/00; B29C67/24; B32B37/18; C03C25/44;	Method for producing aligned near full density pure carbonnanotube sheets, ribbons, and films from aligned arrays of as grown carbon nanotube carpets/forests and direct transfer to metal and polymer surfaces
US2011014466 A1 20110120	US20090504995;	XEROX CORP;	B32B19/02;	Composite materials comprising core-shell nano-fibrils
US2011230111 A1 20110922	US20100727776;		B32B27/02; B27N3/04; D02G3/36; D04H3/12; D01D5/34; D01D5/08; C08L101/00; B32B5/02;	Fibers containing additives for use in fibrous insulation

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US2011212300 A1 20110901	US20050741837P; US20060633095; US201113102962;	UNIV NORTHWESTERN;	B32B27/04;	Nanotube assembly
US2011181958 A1 20110728	US20100694286;		B32B27/04; B32B5/16; G02B5/02; B32B5/22;	Photon-alignment optical film
US2011250442 A1 20111013	US20100342142P; US201113065685; ;	NANOFILM LTD;	B32B27/08; B05D3/10; C08F2/50; C08K3/36; C08F222/22; B32B27/18;	Fog and abrasion resistant hardcoat for plastics
KR20110079720 A 20110707	EP20080167760;	BASF SE;	B32B27/08; G02B5/22; B32B27/18;	Nanoscale ir absorbers in multilayer moldings
US2011250427 A1 20111013	US20070998049P; US20080681298; WO2008US78854;	UNIV MICHIGAN;	B32B27/34; B32B9/04; B32B27/30; B32B27/00; B32B18/00; B32B38/00; B32B5/16; B32B5/02; B32B27/40; B32B15/02; B32B17/02;	Ultrastrong and stiff layered polymer nanocomposites and hierarchical laminate materials thereof

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US2011088931 A1 20110421	US20090167131P ;US20100755319;	VORBECK MATERIALS CORP;	B32B27/34; H05K1/09; B05D1/36; B32B27/10; H01B1/24; B32B27/06; B32B27/08; B32B27/36;	Multilayer coatings and coated articles
US2011274928 A1 20111110	US20090285735P ;US20100965265;	UNIV UTAH;	B32B3/00;	Magnetic nanostructures
US2011315959 A1 20111229	US20050641766P ;US20050710944 P;US2006032765 5;US20060510263 ;US20100780420; US201113226533;	INVISAGE TECHNOLOGIES INC;	B32B3/00; B32B3/10; B32B5/16; H01L29/66;	Electronic and optoelectronic devices with quantum dot films
US2011245392 A1 20111006	EP20080171437; WO2009EP66351;	BASF SE;	B32B3/00; G02B5/22; C07F7/08; C09D5/32; C08K5/5419;	Silane-modified nanoparticles made of metal oxides
US2011204321 A1 20110825	KR20050116320; KR20060028875; US20060447328; US201113099768;	SAMSUNG ELECTRONICS CO LTD;	B32B3/00; H01L29/06;	Method for producing nanowires using a porous template
US2011045230 A1 20110224	US20040603203P ;US20050206632; US20100716135;	ILLUMINEX CORP;	B32B3/02;	Metallic nanowire arrays and methods for making and using same

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US2011097556 A1 20110428	US20010296013P; US20010325664 P;US2002015588 3;US20020158596 ;US20070839923;	UNIV TEXAS;	B32B3/10; C07K7/06; C07K1/04; C12N7/00; C40B40/10; C40B40/02; C07K7/08;	Biological control of nanoparticle nucleation, shape and crystalphase
US2011212319 A1 20110901	US20080273418; US201113094493;		B32B3/26;	Carbon nanotube device and a wafer for growing carbonnanotube
US2011104401 A1 20110505	TW20090122686; US20090655342; US201113005637;	NAT UNIV TSINGHUA;	B32B3/26; C08J7/18; B32B17/00; B32B18/00;	Anitreflection structures with an exceptional low refractive index anddevices containing the same
US2011039089 A1 20110217	FR20050004231; US20050754888P; US20060910747; WO2006FR00821;	TOYOTA MOTOR CO LTD;	B32B3/26; C08J9/00;	Polymer-based cellular structure comprising carbon nanotubes,method for its production and uses thereof
US2011064938 A1 20110317	US20030722929; US20040026011; US20060481130; US20100769144;		B32B3/26; C08J9/06;	Thermoplastic foams and method of forming them usingnano-graphite
US2011244189 A1 20111006	US20060387518; US201113162569;	LUCENT TECHNOLOGIES INC;	B32B3/30;	Super-phobic surface structures
US2011300338 A1 20111208	KR20100053031;	SAMSUNG ELECTRONICS CO LTD;	B32B3/30; C23F1/02;	Graphene nano ribbons and methods of preparing the same
US2011069860 A1 20110324	CN20091190386;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	B32B3/30; H04R1/00; B32B3/10;	Damper and loudspeaker using the same

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US2011014460 A1 20110120	US20060472615;		B32B33/00; B32B27/18; B05D3/12;	Conductive, emi shielding and static dispersing laminates and method of making same
US2011256336 A1 20111020	JP20080324953; WO2009JP71730;	AISIN SEIKI; TOYOTA MOTOR CO LTD;	B32B33/00; C23C16/26;	Composite carbon and manufacturing method therefor
WO2011109421 A1 20110909	US20100309262P ;	UNIV ALABAMA; UNIV AUBURN; WANG JIALAI; ZHANG XINYU;	B32B37/06;	Novel nanocomposite for sustainability of infrastructure
US2011308717 A1 20111222	KR20100057569;	SAMSUNG TECHWIN CO LTD;	B32B37/14; B32B37/02; B32B37/12; B32B38/10;	Method of transferring graphene
US2011315657 A1 20111229	KR20100062096;	SAMSUNG TECHWIN CO LTD;	B32B37/14; B32B38/10; B32B37/02; B32B37/10;	Method and apparatus for manufacturing graphene transfer film
US2011318563 A1 20111229	TW20100120345;	HON HAI PREC IND CO LTD;	B32B37/16; B32B5/08; B32B37/10;	Nanowire structure and method for making same
US2011038099 A1 20110217	US20070893564P ; US20070937039;		B32B38/00; B32B37/02; H01G9/155;	Ultracapacitor power storage device
US2011253669 A1 20111020	CN20101146836;	BEIJING FUNATE INNOVATION TECH;	B32B38/00; B32B37/16; B32B38/10;	Method for making transmission electron microscope micro-grid

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US2011171419 A1 20110714	CN20071125102;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	B32B5/00; B32B17/06; B32B5/12; B32B5/02; D01F9/12; B32B3/00; B32B5/26; B32B9/00;	Electronic element having carbon nanotubes
US2011205863 A1 20110825	US20100307133P ;US201113032709 ;	SEAGATE TECHNOLOGY LLC;	B32B5/00; C22C5/02; G11B13/08;	Hamr nft materials with improved thermal stability
WO2011068682 A1 20110609	US20090266323P ;	DAVIS JAMES LYNN;GUPTA VIJAY;LAMVIK MICHAEL KASPER;MILLS KARMANN;RES TRIANGLE INST;WALLS HOWARD J;	B32B5/02;	Reflective nanofiber lighting devices
US2011236619 A1 20110929	US20070002706P ;US20070827169; US20080291524; US201113105777;		B32B5/02; B32B5/22; B32B5/16;	Fabrication of anchored carbon nanotube array devices forintegrated light collection and energy conversion
US2011045272 A1 20110224	US20090274974P ;US20100862664;	CAMBRIOS TECHNOLOGIES CORP;	B32B5/02; C22B3/00; C09D11/00;	Purification of metal nanostructures for improved haze intransparent conductors made from the same
ES2354617T T3 20110316	US20040563355P ;	PROCTER & GAMBLE;	B32B5/02; D04H13/02; D04H13/00; A61F13/15; D01D5/42; D04H1/42; B32B5/26; D04H3/16;	Fibras, materiales no tejidos y articulos que contienennanofibras producidas a partir de polimeros con elevada temperatura de transicion vitrea.

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US2011143087 A1 20110616	US20090286340P ;US20100968187;	APPLIED NANOSTRUCTURED SOLS;	B32B5/12; B32B5/16;	Flame-resistant composite materials and articles containing carbonnanotube-infused fiber materials
NZ576658 A 20110630	US20050264606; WO2006US39360;	CLOROX CO;	B32B5/14; B32B3/00;	Treatments and kits for creating transparent renewable surfaceprotective coatings using fumed silica particles
WO2011033377 A2 20110324	US20090243349P ;	ANDERSON DARREN J;DAS ANJAN;LOUKINE NIKOLAI;NORTON DANIELLE;VIVE NANO INC;	B32B5/16;	Multifunctional nanocomposites
US2011143139 A1 20110616	US20060837791P ;US20070836746; US20070908144P ;US201113012097 ;	AQUA RESOURCES CORP;	B32B5/16;	Nanoplatelet metal hydroxides and methods of preparing same
US7935419 B1 20110503	US20080065077P ;US20090322813;	LOS ALAMOS NAT SECURITY LLC;	B32B5/16;	Thick-shell nanocrystal quantum dots
US2011311457 A1 20111222	US20070962117P ;US20080670756; WO2008US71391;	NANOSCAN IMAGING LLC;	B32B5/16; A61K49/04;	Methods for imaging vascular inflammation using improvednanoparticle contrast agents
US2011177340 A1 20110721	US20080084852P ;US200913056592 ;WO2009US51809 ;	UNIV CALIFORNIA;	B32B5/16; B01J13/14;	Chemical modification of nanocrystal surfaces
US2011159291 A1 20110630	US20090647244;		B32B5/16; B05D3/00;	Solution stable and chemically reactive metallic nanoparticles
US2011268963 A1 20111103	JP20080168941;J P20090112861;W O2009JP61761;	NAT INSTUTUTE OF ADVANCED IND SCIENCE AND TECHNOLOGY;	B32B5/16; B05D3/02;	Method of producing structural member having prussian blue-type metalcomplex nanoparticles, structural member obtained by the method, substrate, electrochromic device, rectifying device, and photo responding device, using the structural member
US2011097543 A1 20110428	US20090170105P ;US20100762990;		B32B5/16; B05D3/14; B32B3/30;	Pattern processes and devices thereof

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US2011014472 A1 20110120	US20090182798P ;US20100790926;		B32B5/16; B05D7/00;	Preparation of silica stabilized biological templates for the production of metal and layered nanoparticles
US2011177339 A1 20110721	CN20031053215; US20030567535; US20100970688; WO2003CN00666 ;		B32B5/16; B05D7/00; G01N33/58; G01N33/543; B06B1/20;	Fluorescent magnetic nanoparticles and process of preparation
US2011171460 A1 20110714	DE200810022341; WO2009EP55209;	BOREALIS AGROLINZ MELAMINE GMBH;	B32B5/16; B32B29/06; B32B37/02; B32B21/06; B32B37/14; B32B27/04;	Laminate and method for the production thereof
US2011281103 A1 20111117	WO2009US32508;		B32B5/16; C08F293/00;	Block copolymers and block copolymer nanoparticle compositions
US2011111279 A1 20110512	US20090259599P ;US20100942863;	UNIV FLORIDA STATE RES FOUND;	B32B5/16; D21H17/63; H01M4/13; B32B5/00; B32B5/02; B29C39/00; H01M2/16;	Binder-free nanocomposite material and method of manufacture
US2011024409 A1 20110203	US20090173027P ;US20100767719;	LOCKHEED CORP;	B32B5/16; H05B3/10; H05B3/02;	Cnt-based resistive heating for deicing composite structures
US2011134617 A1 20110609	DE200810048459; DE200810061051; DE200910011538; EP20080162124; WO2009EP05757;	PP MID GMBH;	B32B5/16; H05K3/00; B32B7/12; B32B27/18; H05K7/00;	Polymer molded bodies and printed circuit board arrangement and method for the production thereof

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US2011014300 A1 20110120	IN2008CH01105; WO2009IN00266;	JAWAHARLAL NEHRU CT FOR ADVANCED SCIENTIFIC RES;	B32B5/18; A01N59/16; A01P1/00;	Template free and polymer free metal, nanosponge and a process thereof
US2011111202 A1 20110512	TW20090138496;	NAT UNIV TSINGHUA;	B32B5/18; B32B15/04; B32B9/00; C23F1/00; C23F1/08;	Multilayer film structure, and method and apparatus for transferring nano-carbon material
EP2315661 A1 20110504	US20080180359; WO2008US78306;	APPLIED NANOTECH HOLDINGS INC;	B32B5/24;	Carbon nanotube-reinforced nanocomposites
AU2010221614 A1 20110908	US20090157096P ;US20090182153 P;WO2010US256 54;	APPLIED NANOSTRUCTURED SOLS;	B32B9/00;	System and method for surface treatment and barrier coating of fibers for in situ cnt growth
WO2011047198 A1 20110421	US20090251634P ;	LLORDES ANNA; MILLIRON DELIA J; TANGIRALA RAVISUBHASH; UNIV CALIFORNIA;	B32B9/00;	Nanocomposite and method of making thereof
US2011065946 A1 20110317	US20040627722P ;US20050273054; US20100948911;	UNIV RICE WILLIAM M;	B32B9/00;	Fluorinated nanodiamond as a precursor for solid substrate surface coating using wet chemistry
US2011217553 A1 20110908	US20070015378P ;US20080087831 P;US2008080878 2;WO2008US8606 5;		B32B9/00; B29B9/06; C08K5/3445;	Frozen ionic liquid microparticles and nanoparticles, and methods for their synthesis and use
US2011195126 A1 20110811	US20040581828P ;US20060630584; US201113074209; WO2005US22102;	UNIV CALIFORNIA;	B32B9/00; B32B5/16; G01N33/543; A61K9/16;	Peptide-coated nanoparticles with graded shell compositions

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US2011165458 A1 20110707	FR20080053918; WO2009FR51076;	CENTRE NAT RECH SCIENT;	B32B9/00; D01D5/00; C25B11/12; C25D5/54; G01N27/327; C25D17/10; C25C7/02; C25D7/06; B05D5/12; H01M4/02;	Electrically conducting fibres for bioelectrochemical systems, electrodes made with such fibres, and system including one or more such electrodes
US2011094403 A1 20110428	EP20080157807; WO2009IB52276;	KONINKL PHILIPS ELECTRONICS NV;	B41F1/18; B41N1/08;	Silicone rubber material for soft lithography
JP2011171747 A 20110901	US20040576878P ;	MOLECULAR IMPRINTS INC;	B41J3/407; B41J3/28; B29C59/02; H01L21/027; B41J2/01; G03F7/00;	Fluid dispensing and drop-on-demand dispensing for nano-scale manufacturing technique
AU2011100389 A4 20110526	AU20110100389;	SECURENCY INT PTY LTD;	B42D15/00; B29C45/37; B81C1/00; B41M3/14;	Micro/nano structure origination method
US2011089140 A1 20110421	US20090581042;		B44C1/22;	Process for fabricating ultra-narrow track width magnetic sensor
US2011123771 A1 20110526	US20090625077;		B44C1/22; B32B3/30;	Nanofabrication process and nanodevice

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US2011081521 A1 20110407	KR20080081026; WO2009KR04702;	KOREA MACH & MATERIALS INST;	B44C1/22; B32B3/30; B32B3/10; G03F7/20; B32B38/10;	Hierarchical structure and manufacturing method thereof
WO2011089084 A1 20110728	EP20100000568;	ADKINSON DANA;FELLER ROLF;GRONOWSKI ADAM;KREUDER CARSTEN;LANXESS INTERNAT SA;LOVEGROVE JOHN;MAGILL PHIL;PAUL HANNS-INGOLF;	B60C1/00; C08L23/22; C08F210/12; C08F8/22; C08J5/00;	Process for production of polymer nanocomposites
EP2388195 A1 20111123	FR20100002159;	THALES SA;	B64G1/50;	Thermal dissipation device for space equipment, in particular for satellite
US2011045042 A1 20110224	JP20080174294;J P20080252438;W O2009JP61896;	NISSHINBO HOLDINGS INC;	B65D81/24; B32B5/02; A61Q19/00; A61K8/02;	Preservative material and storage method for liquid
US2011232177 A1 20110929	US20050109398; US20060405603; US20090466693; US201113153060;	KAMTERTER II L L C;	B65G33/00; A01C9/00; A01G25/09; A01C7/00; B05B9/03;	Systems for the control and use of fluids and particles
WO2011067961 A1 20110609	JP20090274921;J P20090293960;	JAPAN SCIENCE & TECH AGENCY;YAMAMOTO TAKATOKI;	B81B1/00; B01J19/00; G01N37/00; G01N27/00; G01N15/14; C12M1/00;	Flow path device and sample processing device including same
TW201107225 A 20110301	TW20090128611;	CHENG YI-LIN;LI SEN-YONG;WANG JUE-KUAN;WANG ZHEN-QIAN;XIE CHENG;	B81B1/00; B82B3/00;	Capable of ensuring the layer of hydrophobic material to be wrapped on the object surface and preventing the micro/nano characteristics from coming off

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DE10200902919 9 A1 20110310	DE200910029199;	BOSCH GMBH ROBERT;	B81B1/00; G01L1/26; G01F1/684; G01P15/08; G01D5/12; H01L21/56; G01L11/00; B81C1/00; G01L9/00; B82B3/00; B81B7/02;	Component parts manufacturing method for e.g. Pressure sensors, involves selecting temperature for heating microstructured or nanostructured components such that materials of components are not converted into gaseous component parts
WO2011027379 A1 20110310	IT2009RM00450;	FANZIO PAOLA; FIRPO GIUSEPPE; ISTITUTO NAZ PER LA RICERCA SUL CANCRO; MUSSI VALENTINA; REPETTO LUCA; SCARUFFI PAOLA; STIGLIANI SARA; TONINI GIANPAOLO; UNIV DEGLI STUDI GENOVA; VALBUSA UGO;	B81B1/00; G01N33/487;	Nanopored silicon nitride chip for the analysis of gene expression profiles
US2011094315 A1 20110428	WO2003US12536;		B81B1/00; G01P15/00; G01P15/18; G01L1/00; G01P15/08;	Method and apparatus for sensing applied forces

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RU2412897 C1 20110227	RU20100105331;	BASHKOV VALERIJ MIKHAJLOVICH; FEDORENKO IVAN ALEKSANDROVICH; FEDORKOVA NINA VALENTINOVNA; FEDOROV IGOR BORISOVICH; IVANOV JURIJ ALEKSANDROVICH; MESHKOV SERGEJ ANATOL EVICH; NARAJKIN OLEG STEPANOVICH; SHASHURIN VASILIJ DMITRIEVICH; SINJAKIN VLADIMIR JUR EVICH;	B81B1/00; H01L29/861;	Nanoelectronic semiconductor rectifier diode
WO2011057844 A1 20110519	US20090615358;	COHEN GUY; FRANK DAVID JAMES; IBM; IBM UK;	B81B3/00;	Nonvolatile nano-electromechanical system device
EP2349913 A2 20110803	US20080103456P ; WO2009US59881 ;	HYSITRON INC;	B81B3/00;	Micro/nano-mechanical test system employing tensile test holder with push-to-pull transformer
CN102275858 A 20111214	CN20111165842;	UNIV NANJING AERONAUTICS;	B81B3/00;	Graphene-ion exchange polymer electric actuator as well as manufacturing method and application thereof
CN201942512U U 20110824	CN20102508580U ;	UNIV ZHEJIANG;	B81B3/00;	Device for preparing cadmium sulfoselenide nano-material with monotonically and continuously adjustable band gap
CN101947452 A 20110119	CN20101293788;	UNIV GUILIN TECH GUT;	B81B3/00; B01J37/34; C02F1/32; B01J23/76;	Preparation method of co/tio2 nanotube array and application thereof in degradation of sugar wastewater
US2011156528 A1 20110630	TW20090145777;		B81B3/00; B05D1/36; H02N11/00; B05D1/02;	Micro actuator, micro actuator system, and method for fabricating micro actuator
DE10200406416 3 B4 20111124	DE200410064163;	EADS DEUTSCHLAND GMBH;	B81B3/00; B81B7/00;	Switchable, high-frequency, micro-electromechanical system component, combines signal line and switching component in common plane on substrate

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TW201111269 A 20110401	TW20090132419;	YANG JING-TANG;	B81B3/00; B81B7/00;	A device for droplets long-distance transport
CN102122934 A 20110713	EP20090180585;	NXP BV;	B81B3/00; B81C1/00; H03H9/24;	Piezo-resistive mems resonator
CN101947453 A 20110119	CN20101293816;	UNIV GUILIN TECH GUT;	B81B3/00; C02F1/32; B01J37/34; B01J23/76;	Preparation method of fe/tio2 nano tube array and application thereof to degradation of sugar waste water
WO2011006885 A1 20110120	FR20090054998; US20090226419P ;	ANDREUCCI PHILIPPE;BRIANCEAU PIERRE;CALIFORNIA INST OF TECHN;COMMISSARIAT ENERGIE ATOMIQUE;DURAFFOURG LAURENT;HENTZ SEBASTIEN;MARCoux CARINE;MINORET STEPHANE;MYERS EDWARD;ROUKES MICHAEL;	B81B3/00; G01L1/18;	Nems comprising als alloy based transduction means
WO2011142850 A2 20111117	US20100297582P ;US20100297743 P;US2011614313 60P;	HUNG LI-WEN;NGUYEN CLARK TU- CUONG;UNIV CALIFORNIA;	B81B3/00; H01L21/302; B81C1/00;	Etchant-free methods of producing a gap between two layers, and devices produced thereby
EP2298693 A1 20110323	FR20090056426;	COMMISSARIAT ENERGIE ATOMIQUE;	B81B5/00; B82Y15/00; B82Y30/00;	Process for forming an electromechanical component for a micro- or nano-system having a rod which forms the rotation axis of the component, the rod being covered with graphene
TW201127741 A 20110816	TW20100104381;	NAT UNIV TSINGHUA;	B81B7/00; B81C1/00;	Method to produce a micro-structure
CN102126698 A 20110720	CN20101023033;	UNIV EAST CHINA NORMAL;	B81B7/00; B81C1/00;	Phase-change material used for compounding vo2 hollow sphere structureon silicon wafer and preparation method thereof

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CN102126702 A 20110720	CN20101023035;	UNIV EAST CHINA NORMAL;	B81B7/00; B82B1/00; B82B3/00; C01G31/02; B81C1/00;	Phase-change material combining hedgehog vo2 nanometer structure on silicon substrate and manufacturing method
CN102040184 A 20110504	CN20091181000;	ENGUANG DAI;	B81B7/02;	Micron/nanometer translation drive type structure
US2011192248 A1 20110811	US20100302396P ;US201113022353 ;	UCHICAGO ARGONNE LLC;	B81B7/02;	Microelectromechanical (mems) manipulators for control of nanoparticle coupling interactions
RU2427810 C1 20110827	RU20100119283;	G OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA PENZEN GU PGU;	B81B7/02; G01L9/04;	Pressure sensor of increased sensitivity based on nano- and microelectromechanical system with thin-film resistance strain gauges
DE10201003003 4 A1 20111215	DE201010030034;	DEUTSCH ZENTR LUFT & RAUMFAHRT;	B81B7/02; H02N2/02; B82B1/00;	Actuator for use in e.g. Automobile industry, has electrodes, and groups of nanotubes, which are in parallel connection between force transmission elements in mechanical manner, where groups are electrically subjected opposite to each other
CN102167281 A 20110831	CN20111080231;	UNIV HUAZHONG SCIENCE TECH;	B81B7/04; B81C1/00;	Carbon micro structure with carbon nano structure integrated on surface, and preparation method thereof
CN102249183 A 20111123	CN20111128928;	UNIV HUNAN;	B81B7/04; B81C1/00; G01N27/30; B82Y40/00;	Cuo/tio2 nanotube array and preparation method and application method thereof
RU2427846 C1 20110827	RU20100125024;	FOND SAL VATORE MAUDZHERIKLINIKA TRUDA I REABILITATSII; INST PRIKLADNOJ NANOTEKHNOLOGII AOZT; SIB LEHBORETRIS LTD;	B81B7/04; G01Q10/00;	Scanning probe microscope having nanotome

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CN102086018 A 20110608	CN20091242002;	CHINESE ACAD INST ELECTRONICS;	B81C1/00;	Preparation method for cone-shaped micro-pool array stereo-structureelectrode
CN102139855 A 20110803	CN20101106789;	CHINESE ACAD PHYSICS INST;	B81C1/00;	Manufacturing method of micro-nano cantilever beam structure forhypersensitive detection
CN102030310 A 20110427	CN20101538262;	CHINESE ACAD TECH INST PHYSICS;	B81C1/00;	Method for preparing si/mn27si47 core-shell structure nanowirearray
CN102030309 A 20110427	CN20101538239;	CHINESE ACAD TECH INST PHYSICS;	B81C1/00;	Preparation method of mn27si47-si heterostructure nanometerlinear array or mn27si47 nanometer linear array
CN102153046 A 20110817	CN20101617707;	INST OPTICS & ELECT CN ACAD;	B81C1/00;	Method for preparing semicylindrical superfine slot by combining twicemembranous layer deposition, dry etching and wet etching
WO2011076369 A2 20110630	DE200910060223;	MAX PLANCK GESELLSCHAFT;MORHARD CHRISTOPH;PACHOLSKI CLAUDIA;SPATZ JOACHIM P;	B81C1/00;	Method for the production of conical nanostructures on substrate surfaces
WO2011154105 A1 20111215	DE201010023490;	MAX PLANCK GESELLSCHAFT;PACHOLSKI CLAUDIA;PURWANINGSIH LINDARTI;SCHOEN TOBIAS;SPATZ JOACHIM P;WOLFRAM TOBIAS;	B81C1/00;	Three-dimensional metal-coated nanostructures on substratesurfaces, method for producing same and use thereof
CN102015524 A 20110413	US20080114173; WO2009US41125;	MICRON TECHNOLOGY INC;	B81C1/00;	Graphoeptitaxial self-assembly of arrays of downward facinghalf-cylinders
CN101952195 A 20110119	US20080030562; WO2009US32130;	MICRON TECHNOLOGY INC;	B81C1/00;	One-dimensional arrays of block copolymer cylinders and applicationsthereof
EP2318305 A2 20110511	DE200810039798; WO2009EP05773;	NMI UNIV TUEBINGEN;	B81C1/00;	Method for transferring nanostructures into a substrate
EP2363373 A1 20110907	EP20100155251;	SENSOROR TECHNOLOGIES AS;	B81C1/00;	Bonding process for sensitive micro-and nano-systems

Número de Publicação	Prioridade	Depositantes	Classificação	Título
CN102180440 A 20110914	CN20111085240;	UNIV BEIJING;	B81C1/00;	Preparation method of nano-gap electrode in micro-nanoelectromechanical device
CN102060263 A 20110518	CN20101593529;	UNIV DONGHUA;	B81C1/00;	Preparation of zno/ zns/ ag nano-rod array in microchannel
CN102173376 A 20110907	CN20111045698;	UNIV FUDAN;	B81C1/00;	Preparation method for small silicon-based nano hollow arraywith orderly heights
CN102060262 A 20110518	CN20101573026;	UNIV HEFEI TECHNOLOGY;	B81C1/00;	Method for manufacturing micro-nano fluid control system byusing low-pressure bonding technology
CN102198927 A 20110928	CN20111100954;	UNIV HENAN;	B81C1/00;	Method for etching nanometer pattern on surface of crystallinesilicon
CN101973507 A 20110216	CN20101222382;	UNIV JIAOTONG SOUTHWEST;	B81C1/00;	Friction induction-based single crystal quartz surface selective etching method
CN102050422 A 20110511	CN20101567104;	UNIV SOUTHEAST;	B81C1/00;	Method for arranging nano wires by combining fiber aid andcontact impression
CN102086021 A 20110608	CN20101620619;	UNIV SOUTHEAST;	B81C1/00;	Method for preparing micro-nano-scale-span integrated channel
CN102070120 A 20110525	CN20101617889;	UNIV SOUTHEAST;	B81C1/00;	Preparation method for high-density interposer for microelectronicsystem-in-package
CN102060261 A 20110518	CN20101572940;	UNIV TIANJIN;	B81C1/00;	Method for enhancing lateral stiffness of multi-walled nanotubedevice by irradiation of electron beam
CN102126699 A 20110720	CN20111031770;	UNIV TSINGHUA;	B81C1/00;	Method for making graph with microsize by utilizing atomic beams andnanometer holes
CN102107850 A 20110629	CN20111028734;	UNIV XIANGTAN;	B81C1/00;	Method for preparing nuclear-shell-structured rutile monocrystalltitanium dioxide nanowire array with surface-cladding carbon layer

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CN102040187 A 20110504	CN20101545476;	UNIV ZHEJIANG;	B81C1/00;	Method for growing core-shell structure zno nanowire array
CN101941672 A 20110112	CN20101245554;	UNIV TONGJI;	B81C1/00; B01J19/12;	Photocatalysis technolog based method for preparing semiconductornano and metal nano microelectrode array
CN102020231 A 20110420	CN20101526155;	CHINESE ACAD TECH INST PHYSICS;	B81C1/00; B81B1/00; G01N21/65;	Enhanced raman scattering substrates of silicon semiconductor and amanufacturing method and application for the same
CN101982401 A 20110302	CN20101277692;	UNIV HUAZHONG SCIENCE TECH;	B81C1/00; B81B3/00;	Carbon nanometer spiral micro heat conduction based motionsensor and preparing method thereof
RU2010111378 A 20110927	RU20100111378;	ROSSIJSKAJA KORPORATSIJA RAKETNO KOSM PRIBOROSTROENIJA I INF SISTEM OAO ROSSIJSKIE KOSM SISTEMY AOOT;	B81C1/00; B81B7/00; B81B3/00;	Thermal micromechanical actuator and method of making said actuator
CN102070118 A 20110525	CN20101518328;	UNIV NANJING;	B81C1/00; B81B7/00; G01N27/14;	Microheating plate for metal oxide semiconductor nano-film gassensor
CN102050419 A 20110511	CN20101569383;	TAIZHOU UNIVERSITY;	B81C1/00; B81B7/04; H01F1/00;	Magnetic double nano-structure array material and preparationmethod thereof
CN102107853 A 20110629	CN20091200840;	SHANGHAI INST CERAMICS;	B81C1/00; B81C99/00; B82B3/00;	Etching device of micro-nano ferroelectric domain structurebased on atomic force microscope acoustic microscopy system
CN102107847 A 20110629	CN20091243010;	CHINESE ACAD PHYSICS INST;	B81C1/00; B82B3/00;	Method for preparing three-dimensional micro-nano device
TW201103861 A 20110201	TW20090125134;	HUANG JUNG-TANG;	B81C1/00; B82B3/00;	Method for fabricating carbon nanotube-based devices

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CN102167278 A 20110831	CN20101116594;	HEFEI INST PHYSICAL SCI CAS;	B81C1/00; B82B3/00; B82B1/00; B81B7/00;	Zinc oxide micro/nano composite structure array film and preparation method thereof
CN102081194 A 20110601	CN20101535457;	UNIV SUN YAT SEN;	B81C1/00; B82Y20/00; G02B6/24;	Method for realizing micronano all-optical color
CN102092675 A 20110615	CN20111008336;	CHINESE ACAD PHYSICS INST;	B81C1/00; B82Y40/00;	Method for preparing self-masking uni-junction multiport three-dimensional nano structure
CN102180438 A 20110914	CN20111075312;	INST OPTICS & ELECT CN ACAD;	B81C1/00; B82Y40/00;	Manufacturing method of tunable triangular metal nano particle array structure
CN102009941 A 20110413	CN20101500889;	UNIV BEIJING;	B81C1/00; B82Y40/00; B01L3/00; B81B1/00; G01R27/02; B82Y30/00; G01R27/22;	Micro-nano fluid system and preparation method thereof
CN102041535 A 20110504	CN20101507958;	UNIV NORTHWESTERN POLYTECHNIC;	B81C1/00; B82Y40/00; C25D15/00; C25D9/02;	Method for preparing two types of super-hydrophobic membranes simultaneously by utilizing ferric chloride
CN102180439 A 20110914	CN20111079747;	UNIV HUAZHONG SCIENCE TECH;	B81C1/00; C01B31/04; B81B7/04;	Carbon microstructure with graphene integrated on surface and preparation method thereof
CN102180437 A 20110914	CN20101589758;	USTC UNIV SCIENCE TECH CN;	B81C1/00; F03G7/06;	Graphene-based infrared smart transparent film device and preparation method thereof
CN102226715 A 20111026	CN20111087934;	UNIV BEIJING NORMAL;	B81C1/00; G01J1/42; B81B7/04;	Visible photoelectrochemical detector based on one-dimensional silicon nanostructure array

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CN102175764 A 20110907	CN20111044289;	SHANGHAI INST MICROSYS & INF;	B81C1/00; G01N29/22; G01N29/036; B81B3/00;	Quality chemical sensor using functionalized mesoporous material assensitive material and method
CN102147414 A 20110810	CN20101617918;	SHANGHAI INST MICROSYS & INF;	B81C1/00; G01N33/543; G01N33/532; G01N33/68;	Nano probe based method for detecting trace proteins by using microfluidic chip
CN102096156 A 20110615	CN20111001942;	UNIV NANJING;	B81C1/00; G02B6/27;	Online light polarization controller based on optical fiber end facemetal wire grating and manufacturing method thereof
CN102135729 A 20110727	CN20111066622;	UNIV HUAZHONG SCIENCE TECH;	B81C1/00; G03F7/00;	Preparation method of carbon micro-nano integrated structure
CN102012633 A 20110413	CN20101295292;	UNIV HEFEI TECHNOLOGY;	B81C1/00; G03F7/00; B82Y40/00;	Method for making self-supporting structure of nano fluid systembased on su-8 photoresist
WO2011159351 A2 20111222	US20100397981P ;	ESPINOSA HORACIO D;LOH OWEN Y;UNIV NORTHWESTERN;WEI XIAODING;	B81C1/00; H01L21/00; B81B3/00; B81B7/02;	Electrodes to improve reliability of nanoelectromechanical systems
CN101999162 A 20110330	US20070006028P ;US20080064363 P;US2008006495 4P;WO2008US13 499;	NANOSYS INC;	B81C1/00; H01L21/336; H01L29/06; H01L29/786;	Methods for formation of substrate elements
JP2011148084 A 20110804	FR20090059412;	COMMISSARIAT A L EN ATOMIQUE & AUX EN ALTERNATIVES;	B81C1/00; H01L29/84; G01P15/12; G01P15/125; B81B3/00;	Micromechanical structure comprising movable part having stoppingportion for out-of-plane displacement of structure, and production process therefor

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CN102208479 A 20111005	CN20111131321;	UNIV DALIAN MARITIME;	B81C1/00; H01L31/0264; H01L31/109; H01L31/18;	Nano coaxial-cable heterojunction array base ultraviolet detector and manufacturing method thereof
WO2011050111 A2 20110428	US20090605246;	ALAM KHURSHID S;BITA ION;HONG JOHN H;QUALCOMM MEMS TECHNOLOGIES INC;	B81C1/00; H01L51/52; G02F1/1341;	Light-based sealing and device packaging
CN102176637 A 20110907	CN20111027379;	SHANGHAI INST MICROSYS & INF;	B81C1/00; H02K35/04;	Miniature electromagnetic type vibration energy collector and manufacturing method thereof
CN102190283 A 20110921	CN20091229154;	CHINA NAT ACADEMY OF NANOTECHNOLOGY & ENGINEERING;	B81C3/00; B81C1/00;	Microfluidic chip preparation method capable of realizing microspheres discretization
WO2011102474 A1 20110825	JP20100035602;	HISHIDA SHUNICHI;KOIDE YASUO;LIAO MEIYONG;NAT INST FOR MATERIALS SCIENCE;	B81C3/00; G01Q70/16; B82B1/00; C23C16/27; C30B29/04; B81B3/00;	Single crystal diamond movable structure and manufacturing method thereof
EP2360114 A1 20110824	EP20100153537;	CONSEJO SUPERIOR INVESTIGACION;HELMHOLTZ ZENT B MAT & ENERG;	B81C99/00;	Method of producing a polymer stamp for the reproduction of devices comprising microstructures and nanostructures and corresponding device
WO2011118391 A1 20110929	JP20100068474;	ALPS ELECTRIC CO LTD;SASAKI MAKOTO;	B81C99/00; B81B3/00; H02N11/00;	Polymer actuator and method for producing same
EP2348359 A1 20110727	EP20080872863;J P20080046667;	SHARP KK;	B81C99/00; G03F7/00;	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
JP2011044715 A 20110303	EP20090010779;	EV GROUP E THALLNER GMBH;	B81C99/00; H01L21/027; B29C59/02;	Device for embossing substrates

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JP2011078262 A 20110414	JP20090229460;	ALPS ELECTRIC CO LTD;	B81C99/00; H02N11/00; C08J5/22;	Actuator and method of manufacturing the same
WO2011086316 A2 20110721	FR20100050206;	CENTRE NAT RECH SCIENT;ECOLE POLYTECH;VACH HOLGER;	B82B1/00;	Use of silicon nanotubes including at least one free filling atom as an electromechanical nano-oscillator
CN101983172 A 20110302	US20080032420P ;US20080045321 P;US2008007843 4P;US200800824 48P;US20080097 579P;US2008010 0865P;US200801 06153P;US20080 115651P;US2008 0120541P;WO200 9US33502;	HUANCHEN LI;WENDY WANG;	B82B1/00;	Unipolar magnetic carrier for 3d tumor targeting
WO2011031487 A2 20110317	US20090236742P ;	TRESEDER KATHLEEN K;UNIV CALIFORNIA;WHITESIDE MATTHEW D;	B82B1/00; A01N25/24;	Nanotechnological delivery of microbicides and other substances
EP2380687 A1 20111026	ES20080003695; WO2009ES70628;	CONSEJO SUPERIOR INVESTIGACION;	B82B1/00; A01N59/16; C01B25/32; B82B3/00; B22F9/24; B22F1/00; A01N25/12;	Nanostructured calcium-silver phosphate composite powder, method for obtaining same, and bactericidal and fungicidal uses thereof
RU2420941 C1 20110620	RU20100111165;	NAUMOVA GALINA ALEKSEEVNA;	B82B1/00; A01N59/20; A01C1/00;	Method of pre-sowing treatment of seeds

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WO2011031999 A2 20110317	US20090241216P ;	IVANISEVIC ALBENA;JAGANATHAN HAMSA;PURDUE RESEARCH FOUNDATION;	B82B1/00; A61K49/06; C12Q1/68; B82B3/00;	Multi-component nanoparticle structure having detectable magnetic resonance properties
EP2315639 A2 20110504	US20080071785P ;WO2009US44402 ;	VERUTEK TECHNOLOGIES INC;	B82B1/00; B22F1/00; B22F9/24;	Green synthesis of nanometals using plant extracts and use thereof
CN102054527 A 20110511	US20040578236P ;US20040632570 P;	NANOSYS INC;	B82B1/00; B31B15/02; C09D1/00; G11C13/00; B82Y10/00; H01G4/14;	Post-deposition encapsulation of nanostructures: compositions, devices and systems incorporating same
CN102126703 A 20110720	CN20101046550;	HEFEI INST PHYSICAL SCI CAS;	B82B1/00; B81B7/04; B81C1/00; B82B3/00;	Two-dimensional multi-shell hollow sphere ordered structure array and preparation method thereof
RU2433948 C1 20111120	RU20100131817;	G OBRAZOVATEL NOE UCHREZHDENIE VYSSHEGO PROFESSIONAL NOGO OBRAZOVANIJA VLADIMIRSKIJ GU;	B82B1/00; B81C1/00;	Method of laser deposition of nanoparticles from solutions
WO2011019817 A2 20110217	US20090232991P ;	BELGRAVE AKEISHA;BURNS ANDREW;CORNELL RES FOUNDATION INC;HERZ ERIK;NOGINOV MIKHAIL A;SHALAEV VLADIMIR M;STOUT SAMANTHA;WIESNER ULRICH B;ZHU GUOHUA;	B82B1/00; B82B3/00;	Nanoparticles and methods of generating coherent emission therefrom
EP2349918 A2 20110803	US20080108425P ;US20090144613 P;WO2009US619 53;	LIFE TECHNOLOGIES CORP;	B82B1/00; B82B3/00;	Stable nanoparticles and methods of making and using such particles

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EP2342161 A2 20110713	US20080102709P ;WO2009US59456 ;	LIFE TECHNOLOGIES CORP;	B82B1/00; B82B3/00;	Sulfonate modified nanocrystals
KR20110099711 A 20110908	US20080119673P ;	MASSACHUSETTS INST TECHNOLOGY;	B82B1/00; B82B3/00;	Multifunctional composites based on coated nanostructures
KR20110004775 A 20110114	KR20090062149;	SAMSUNG ELECTRONICS CO LTD;	B82B1/00; B82B3/00;	Semiconductor nanocrystal and preparation method thereof
TW201111272 A 20110401	TW20090132417;	YANG JING-TANG;	B82B1/00; B82B3/00; B81C1/00;	A novel method of self-assembling monolayer and the reaction timecontrolled for the formation of surfaces with controllable wettability
WO2011137446 A2 20111103	US20100329993P ;	CHEN HAITIAN;CHEN PO- CHIANG;UNIV SOUTHERN CALIFORNIA;XU JING;ZHOU CHONGWU;	B82B1/00; B82B3/00; B82Y40/00;	Fabrication of silicon nanowires
WO2011079290 A1 20110630	US20090290123P ;	GILJOHANN DAVID A;MIRKIN CHAD A;UNIV NORTHWESTERN;	B82B1/00; B82Y5/00;	Oligonucleotide specific uptake of nanoconjugates
WO2011022091 A1 20110224	US20090167215P ;US20090167292 P;	BLACK CODY;CARBON NANOPROBES INC;RUBY BRIAN;	B82B1/00; C01B31/00;	Method and apparatus for depositing a metal coating upon ananotube structure
WO2011031759 A2 20110317	US20090242206P ;US20090632428;	ELDRIDGE BENJAMIN N;FANG TRELIANT;FORMFACTOR INC;MATHIEU GAETAN L;YAGLIOGLU ONNIK;	B82B1/00; C01B31/02; B82B3/00;	Carbon nanotube columns and methods of making and using carbon nanotube columns as probes
EP2297384 A1 20110323	FR20080052977; WO2009EP55231;	COMMISSARIAT ENERGIE ATOMIQUE;	B82B1/00; C09K11/08; C30B7/00; C30B29/60;	Method of preparing luminescent nanocrystals

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MY144626 A 20111014	US20020280135; US20020301510; US20020365401P; US20020381660 P;US2002038166 7P;US200203950 64P;	UNIV CALIFORNIA;	B82B1/00; C30B7/00; C30B29/48; C30B29/60; H01L51/05; C30B29/40; H01L31/04; H01L51/30;	Semiconductor-nanocrystal/conjugated polymer thin films
US8048377 B1 20111101	US20040795730;	HEWLETT PACKARD DEVELOPMENT CO;	B82B1/00; G01N33/00; C12M1/00; G01N33/543; G01N27/00; G01N27/416; G01N37/00; G01N33/48; G01N27/06;	Immobilizing chemical or biological sensing molecules on semi-conducting nanowires
WO2011110711 A1 20110915	ES20100030333;	ARANDAGALLEGO MARIA PILAR;CONSEJO SUPERIOR INVESTIGACION;GONZALEZ ALFARO YOREXIS;RUIZ HITZKY EDUARDO;	B82B1/00; H01F1/44; B82B3/00; B82Y30/00; C01G49/02;	Method for obtaining materials with superparamagnetic properties
EP2351087 A1 20110803	DE200810058400; WO2009EP08277;	ISTITUTO ITALIANO DI TECNOLOGIA;MAX PLANCK GESELLSCHAFT;	B82B1/00; H01L29/06; B82B3/00;	Nanowires on substrate surfaces, method for producing same and use thereof

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US2011174619 A1 20110721	US19990142216P; US20010033369; US20040812653; US20060485893; WO2000US18138;	HARVARD COLLEGE;	B82B1/00; H01L29/06; H01L49/00; H01L29/66; C25B15/00; G11C23/00; H01H59/00; H01L27/24; B82B3/00; G11C13/02; H01L27/10;	Nonoscopic wired-based devices and arrays
CN102007067 A 20110406	SE20080000853; WO2009SE50388;	QUNANO AB;	B82B1/00; H01L29/778; H01L29/06; H01L29/12; H01L29/775;	Nanowire wrap gate devices
CN101952987 A 20110119	US20080035866; WO2009FI50047;	NOKIA CORP;	B82B1/00; H01L51/05; H01L29/06;	Nanotube device
WO2011022072 A2 20110224	US20090545787;	BARONE PAUL W;KIM WOO-JAE;MASSACHUSETTS INST TECHNOLOGY;STRANO MICHAEL S;	B82B3/00;	Systems and methods for handling and/or isolating nanotubes and other nanostructures
KR20110098249 A 20110901	KR20100017770;	IUCF HYU;	B82B3/00;	Method of forming nanoparticle and method of manufacturing flashmemory device using the same
EP2351702 A2 20110803	KR20080105369; WO2009KR06228;	KOREA MACH & MATERIALS INST;	B82B3/00;	Apparatus and method for manufacturing quantum dot
EP2351701 A2 20110803	KR20080105368; WO2009KR06226;	KOREA MACH & MATERIALS INST;	B82B3/00;	Apparatus for manufacturing quantum dot with a plurality of heatingzones and method for manufacturing quantum dot

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EP2332883 A2 20110615	KR20080090376; KR20090085338; WO2009KR05133;	LG CHEMICAL LTD;	B82B3/00;	Metal nano belt, method of manufacturing same, and conductiveink composition and conductive film including the same
EP2337763 A2 20110629	US20080102613P ;WO2009US59452	LIFE TECHNOLOGIES CORP;	B82B3/00;	Methods for preparation of nanocrystals using a weak electrontransfer agent and mismatched shell precursors
EP2303771 A2 20110406	US20080076833P ;US20080076910 P;WO2009US493 04;	LIFE TECHNOLOGIES CORP;MEASHO BERTHANE;	B82B3/00;	Methods for isolating and purifying nanoparticles from a complex medium
CN101959789 A 20110126	KR20080011398; WO2008KR00731;	POSTECH ACAD IND FOUND;	B82B3/00;	Nanodevice, transistor comprising the nanodevice, methodfor manufacturing the nanodevice, and method for manufacturing the transistor
KR20110064300 A 20110615	KR20090120820;	SAMSUNG ELECTRONICS CO LTD;UNIV YONSEI IACF;	B82B3/00;	Method of fabricating semiconductor device and semiconductor devicefabricated by the same
RU2416435 C1 20110420	RU20090146340;	FOND SAL VATORE MAUDZHERIKLINIKA TRUDA I REABILITATSII;INST PRIKLADNOJ NANOTEKHNOLOGII AOZT;SIB LEHBORETRIS LTD;	B82B3/00; A61L31/12; A61L31/10;	Method of antiseptic surface preparation of product made of polymericmaterial
WO2011004993 A1 20110113	US20090500904;	UNIV KOREA RES & BUS FOUND;	B82B3/00; B01J19/08;	Structure fabrication using nanoparticles
EP2390000 A1 20111130	EP20030790527; US20020434158P	DU PONT;	B82B3/00; B01J19/24; B01J2/04; B01J19/08; C01G23/07; C01G1/02; B01J19/26; B82Y30/00;	Method of producing nanoparticles using anevaporation- condensation process with a reaction chamber plasma reactor system

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KR20110029390 A 20110323	KR20090087045;	HANSEO UNIVERSITY ACADEMIC COOPERATION FOUNDATION;	B82B3/00; B01J20/285;	A production method of polymer nano composite fabricated over mesoporous materials
EP2311567 A1 20110420	EP20030254696; US20020213059;	XEROX CORP;	B82B3/00; B01L3/00; B01L3/02; G01N35/00; G01N35/10; B41J2/16; B01J19/00; B81C1/00; G03F7/00; B81B3/00; G01N37/00; B41J2/14;	Capillary-channel probes for liquid pickup, transportation and dispense using spring beams
US2011011773 A1 20110120	US20070004009P; US20080743912; WO2008US12980;		B82B3/00; B03B1/04; B07B13/00;	Separation of nanostructures
WO2011058227 A1 20110519	FI20090006162;	AUVINEN ARI; FORSMAN JOHANNA; JOKINIEMI JORMA; ROINE JOHANNES; TAPPER UNTO; VALTION TEKNILLINEN;	B82B3/00; B22F1/00; B01J19/08; B01J19/00; B01D47/00;	Method and apparatus for producing nanoparticles
WO2011058976 A1 20110519	JP20090258325;	KUWABATA SUSUMU; OKAZAKI KEN-ICHI; SUZUKI TOSHIMASA; TOMITA YOUSUKE; TORIMOTO TSUKASA; UNIV NAGOYA NAT UNIV CORP; UNIV OSAKA;	B82B3/00; B22F9/02; B82B1/00;	Process for producing hollow nanoparticles, hollow nanoparticles, and dispersion thereof
CN102000912 A 20110406	CN20101290490;	CHINESE ACAD TECH INST PHYSICS;	B82B3/00; B23K26/00; B81C1/00;	Laser micro/nano processing system and method

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DE102009037011 B3 20110512	DE200910037011;	HELMHOLTZ ZENT B MAT & ENERG;	B82B3/00; B81C1/00; G03F7/00; C12M1/34; C12Q1/00;	Molecular lithography process for nanopattern generation in a substrate, comprises producing a mask structure with a self-styled organization, from single unbranched macromolecules with negative load
CN201770470U U 20110323	CN20102163697U ;	HONGWEI ZHAO;	B82B3/00; B81C99/00;	Nano-precision surface ironing press treatment and micro-nano structure array processing platform
WO2011006002 A2 20110113	US20090270476P ;US20100349170 P;	GAO XIAOHU;JIN YONGDONG;O'DONNELL MATTHEW;UNIV WASHINGTON;	B82B3/00; B82B1/00;	Metal-coated nanostructures and related methods
EP2307309 A2 20110413	US20080077832P ;WO2009US49517 ;	LIFE TECHNOLOGIES CORP;	B82B3/00; B82B1/00;	Stable indium-containing semiconductor nanocrystals
DE102009056712 A1 20110630	DE200910056712;	TECH UNI CAROLO WILHELMINA ZU BRAUNSCHWEIG;	B82B3/00; B82B1/00; B81C1/00; H01L33/36; B81B1/00; H01L33/02;	Led for illumination of rooms, has electrical connection elements provided on ends of nano-columns, where contact material of electrical connection elements is applied only at ends of nano-columns and not applied between nano-columns
WO2011099750 A2 20110818	KR20100012875; KR20100056922;	LEE HYONIK;LEE SEUL AH;LEE TAEYOON;SEO JUNGMOK;UNIV YONSEI IACF;	B82B3/00; B82Y40/00;	Nanowire alignment method using a three-dimensional structure, three-dimensional framework for nanowire alignment, manufacturing method for a three-dimensional framework for nanowire alignment, and transfer printing method for an aligned nanowire
CN102234102 A 20111109	US20100773565;	SHANG GWO JR;	B82B3/00; B82Y40/00; B82B1/00;	Nanoparticle film and forming method thereof
WO2011133976 A2 20111027	US20100327192P ;US20100327199 P;	PURDUE RESEARCH FOUNDATION;WU YUE;ZHANG GENQIANG;	B82B3/00; C01B19/02; B82B1/00; B82Y40/00;	Ultrathin nanowire-based and nanoscale heterostructure-based thermoelectric conversion structures and method of making same

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US2011209980 A1 20110901	JP20030307602;U S20060569548;U S201113067113; WO2004JP11838;		B82B3/00; C01B21/064; B01J19/12; C01B31/02;	Method for controlling structure of nano-scale substance, and method for preparing low dimensional quantum structure having nano-scale using the method for controlling structure
CN102066245 A 20110518	AU20070905796; WO2008AU01543;	UNIV WOLLONGONG;	B82B3/00; C01B31/00; C01B31/04; B82B1/00; C01B31/02;	Process for the preparation of graphene
CN102086035 A 20110608	CN20091250040;	BEIJING FUNATE CREATIVE SCIENCE AND TECHNOLOGY CO LTD;	B82B3/00; C01B31/02;	Carbon-nano-tube film and preparation method thereof
KR20110118138 A 20111028	JP20090029127;	NAT INST OF ADVANCED IND SCIEN;ZEON CORP;	B82B3/00; C01B31/02; C23C16/26;	Base for producing oriented carbon nanotube aggregate, and method for producing oriented carbon nanotube aggregate
EP2377811 A2 20111019	KR20080133348; WO2009KR07801;	NURI VISTA CO LTD;	B82B3/00; C01G49/00;	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
EP2285825 A1 20110223	US20080127134P ;WO2009US02935 ;	UNIV SOUTH DAKOTA;	B82B3/00; C07K1/02; C07K1/14; A61K38/00;	Method of forming non-immunogenic hydrophobic protein nanoparticles and uses therefor
KR20110058554 A 20110601	KR20090115385;	INHA IND PARTNERSHIP INST;KOREAN AIR LINES CO LTD;	B82B3/00; C08K3/04; C08K7/06; C08K9/02;	Carbon-fiber reinforced plastics coated with nano-particles
KR20110009096 A 20110127	IN2008MU00480;I N2008MU02655;	TATA CHEMICALS LTD;	B82B3/00; C09D1/00; C03C17/25; C01G9/02;	A process for the preparation of nano zinc oxide particles

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KR20110018498 A 20110224	KR20090075989;	KOREA ELECTRIC POWER CORP;	B82B3/00; C10M125/04;	Preparation method of lubricating oil and lubricating oil produced thereby
KR20110105651 A 20110927	KR20100024913;	INST SCIENCE & TECH KWANGJU;	B82B3/00; C12N1/20;	Methods for preparation of chalcogenic hybrid nanostructure
WO2011052979 A2 20110505	KR20090104840;	3CRO INC; CHABIO & DIOS TECH CO LTD; CHO SEONG-JE; CHUNG HYUNG-MIN; DO JEONG-TAE;	B82B3/00; C12N5/02; C12N5/07;	De-differentiation method of cells using nanocarrier, and preparation method of pluripotent stem cells using same
WO2011143340 A2 20111117	US20100395323P ;	MCNALLY BENJAMIN; MELLER AMIT; SINGER ALON; UNIV BOSTON; WENG ZHIPING;	B82B3/00; C12Q1/68; G01N33/52;	Use of nanopore arrays for multiplex sequencing of nucleic acids
US2011070443 A1 20110324	GB20040009877; US20060579050; US20100854611; WO2005GB01611 ;	NANOCO TECHNOLOGIES LTD;	B82B3/00; C30B7/00; C01B7/00; C30B7/14; C01B19/00; C30B29/60; C30B29/48;	Preparation of nanoparticle materials
KR20110122437 A 20111110	KR20100041958;	KOREA INST SCI & TECH;	B82B3/00; D01D5/00;	Fabrication method of silicon carbide nanofiber using emulsion electrospinning and silicon carbide nanofiber fabricated thereby
EP2387787 A1 20111123	NZ20080573797; WO2009NZ00297;	VICTORIA LINK LTD;	B82B3/00; H01F1/09;	Magnetic nanoparticles
WO2011078780 A1 20110630	SE20090051018;	DEPPERT KNUT; MAGNUSSON MARTIN; OHLSSON JONAS; QUNANO AB; SAMUELSON LARS;	B82B3/00; H01L29/06;	Method for manufacturing a nanowire structure
KR20110124590 A 20111117	KR20100044062;	SAMSUNG ELECTRONICS CO LTD; UNIV YONSEI IACF;	B82B3/00; H01P7/10;	Resonator using carbon based nano material and fabrication method thereof

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EP2383749 A2 20111102	EP20040710626; US20030446783P ;US20030446786 P;	NANTERO INC;	B82Y10/00; H01H59/00; G11C23/00; B81C1/00; B81B3/00; G11C13/02; H01H1/00; G11C14/00;	Nanofabric articles and methods of making the same
US2011278661 A1 20111117	US20050197184; US20090408920; US201113194188;		B82Y10/00; H01L27/105; H01L29/792;	Apparatus including rhodium-based charge traps
WO2011162725 A1 20111229	SG20100004576;	AGENCY SCIENCE TECH & RES;CHEN ZHIXIAN;LO GUO QIANG PATRICK;SHEN NANSHENG;SINGH NAVAB;	B82Y10/00; H01L29/772;	Nanowire transistor and method for manufacturing ananowire transistor
WO2011086210 A1 20110721	ES20090031234;	CT DE INVESTIGACION BIOMEDICA EN RED ENBIOINGENIERIA BIOMATERIALES Y NANOMEDICINA;GALLACH PEREZ DARIO;GARCIA RUIZ JOSEFA P;MANSO SILVAN MIGUEL JOSE;MARTIN PALMA RAUL JOSE;MUNOZ NOVAL ALVARO;SANCHEZ-VAQUERO VANESSA;TORRES COSTA VICENTE;UNIV MADRID AUTONOMA;	B82Y15/00; A61K9/14; B82Y5/00; B82Y25/00; A61K9/51;	Magnetic-luminescent particles for biomedical uses
WO2011162727 A1 20111229	US20100398468P ;	LOH KIAN PING;UNIV SINGAPORE;WANG JUNZHONG;	B82Y15/00; B82Y20/00; C01B31/04;	Methods of forming graphene by graphite exfoliation

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WO2011101837 A1 20110825	IE20100000084;	AHERNE DAMIAN JOHN;BELL STEVEN ERNEST JOHN;GARA MATTHEW;GOUNKO IOURI KUZMICH;KELLY JOHN MOFFAT;LEDWITH DEIRDRE MARIE;PROVOST FELLOWS FOUNDATION SCHOLARS AND THE OTHER MEMBERS OF BOARD OFTHE COLLEGE OF THE HOLY AND UN;UNIV BELFAST;	B82Y15/00; G01N21/65; B82Y20/00; B82Y40/00; G01N21/55;	Substrate for surface enhanced raman spectroscopy
CN102033089 A 20110427	CN20101521439;	HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA;	B82Y15/00; G01N27/30; G01N27/327;	Biosensor and packaging structure thereof and detection system
WO2011148870 A1 20111201	JP20100123225;	ENOMOTO YASUSHI;KAJIKAWA KOTARO;MATSUMURA YASUFUMI;NIPPON STEEL CHEMICAL CO;SHINTA RYUZO;TOKYO INST TECH;	B82Y15/00; G01N33/543; G01N21/27;	Metal microparticle composite and method for producing the same
WO2011151679 A1 20111208	IN2010CH01526;	INDIAN INST SCIENT;KRISHNASWAMYARVIND; MAHAPATRA DEBIPROSAD ROY;	B82Y15/00; H01L41/113;	Energy harvesting devices using carbon nanotube(cnt)-based electrodes
US2011293218 A1 20111201	US20070924407P ;US20080153177; US201113152857;		B82Y20/00; H01L31/028; G02B6/35;	Conductive coating based on polymer-carbon nanotube composite
US2011146766 A1 20110623	US20080031441P ;US20090359487;	SOLAR CELLS BASED ON QUANTUM DOT OR COLLOIDAL NANOCRYSTAL FILMS;	B82Y20/00; H01L31/07; H01L31/072; H01L31/075; H01L31/18;	Solar cells based on quantum dot or colloidal nanocrystal films

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WO2011033040 A2 20110324	GB20090016202;	ALEKSANDROVIC VESNA;CT FUER ANGEWANDTE NANOTECHNOLOGIE CAN GMBH;SCHLUNDT CHARIS RABEA;WERNER KATJA;WOOST MARIE;	B82Y30/00; A01N25/34; A01N59/06; B82Y40/00; C01G9/02; B82Y5/00; D06M11/44; A01N59/16; A61K33/34; A01P1/00; A61K8/27; A01N59/20; A61K33/30;	Antibacterial particles and their synthesis
GB2480347 A 20111116	PL20100391217;	INST CHEMII FIZYCZNEJ POLSKIEJ AKADEMII NAUK;	B82Y30/00; B01J23/52; B01J23/44; B05D1/18; B01J23/42; B01J35/10; B01J23/50;	Coating surfaces with nanoparticles by dipping
WO2011101300 A2 20110825	DE201010008173;	BAYER MATERIALSCIENCE AG;HOCKE HEIKO;MICHELE VOLKER;MLECZKO LESLAW;SCHLUETER OLIVER FELIX-KARL;WEBER RALPH;	B82Y30/00; B01J37/16; C01B31/02; B01J37/03;	Production of carbon nanotubes

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CN102240815 A 20111116	CN20111161724;	UNIV GUANGDONG TECHNOLOGY;	B82Y30/00; B22F9/24; A61K8/19; A01P1/00; B82Y40/00; A61P31/02; A61P31/04; A61K33/38; A01N59/16;	Method for preparing nano silver particles by using plantextract for reduction, and application of method
CN102167280 A 20110831	CN20111006319;	UNIV NORTHWESTERN POLYTECHNIC;	B82Y30/00; B82Y40/00; B81C1/00; B81B7/04;	Super-hydrophobic silicon micron-nano composite structure andpreparation method thereof
WO2011064429 A1 20110603	ES20090031075;	BORRELL TOMASAMPARO;FERNANDEZ VALDES ADOLFO;FUNDACION ITMA;TORRECILLAS SAN MILLAN RAMON;	B82Y30/00; C01B31/00;	Method for obtaining micro-grains of carbon nanofilaments anduse thereof in a procedure for manufacturing composite materials
ES2364914 A1 20110916	ES20100000284;	UNIV CADIZ;	B82Y30/00; C01G7/00; B22F1/00;	Sintesis verde (ecologica) de sononanoparticulas de oro.
CA2777001 A1 20110526	US20090263807P ;US20090286340 P;WO2010US579 22;	APPLIED NANOSTRUCTURED SOLS;	B82Y30/00; C04B14/38; B29B15/10; C08J5/06; B29C70/88; B29C70/06; C22C47/02;	Cnt-tailored composite space-based structures
WO2011096898 A1 20110811	US20100301791P ;	CHAN BEE ENG MARY;CHENPENG;LI LAIN- JONG;UNIV NANYANG TECH;ZHAO JIANWEI;	B82Y30/00; C09D5/00; H01L29/772; B82Y40/00;	Method of modifying electrical properties of carbon nanotubesusing nanoparticles

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WO2011081884 A1 20110707	US20090286324P ;US20100309840 P;	HELLER DANIEL A;MASSACHUSETTS INST TECHNOLOGY;PRATT GEORGE W;STRANO MICHAEL S;ZHANG JINGQUING;	B82Y30/00; G01N21/64;	Systems and methods related to optical nanosensors including photoluminescent nanostructures
CA2703454 A1 20111112	CA20102703454;	UNIV TORONTO;	B82Y30/00; H01B1/12;	Method of producing electrically conductive polymer and cellulose nanocomposites
WO2011058230 A1 20110519	FI20090006179;U S20090260914P;	ALLEN MARK;LEPPAENIEMI JAAKKO;MATTILA TOMI;VALTION TEKNILLINEN;	B82Y30/00; H05K3/38; H05K3/12; H05K13/00; C09D11/00;	Method and products related to deposited particles
WO2011112512 A1 20110915	US20100311991P ;	BROOKHAVEN SCIENCE ASS LLC;GANG OLEG;VAN DER LELIE DANIEL;	B82Y40/00;	Arbitrary assembly of nano-objects into designed 1d and 2d arrays
CN102132709 A 20110727	CN20101616746;	UNIV TAIYUAN TECHNOLOGY;	B82Y40/00; A01N59/16; A01P3/00; A01N65/38;	Method for preparing starch core-shell silver antibacterial agent

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JP2011224558 A 20111110	WO2004KR03090;	SEOUL NAT UNIV INDUSTRY FOUNDATION;	B82Y40/00; B22F9/24; C01G9/02; B22F1/00; C01G51/04; C01F17/00; C01G45/02; B01J19/00; C01G49/00; C01G49/06; B82Y5/00; B82Y25/00; C01G49/08;	New process for large-scale production of monodispersen nanoparticles
CN102249175 A 20111123	CN20111092302;	NO 510 INST OF CHINA ACADEMY OF SPACE TECHNOLOGY OF CASC;	B82Y40/00; B81B3/00;	Method for manufacturing nano electronic device and/or circuitbased on electron beam stimulated desorption
CN201923843U U 20110810	CN20112063428U ;	UNIV SUN YAT SEN;	B82Y40/00; B81C1/00;	Device for preparing titanium dioxide nanometer tube arrays
CN102079504 A 20110601	CN20101580155;	UNIV TSINGHUA;	B82Y40/00; B81C1/00;	Method for manufacturing high-density silicon-based nano-holes
WO2011133228 A2 20111027	US20100327313P ;US20100407063 P;	PIXELLIGENT TECHNOLOGIES LLC;	B82Y40/00; B82B1/00; B82B3/00;	Synthesis, capping and dispersion of nanocrystals
WO2011154755 A1 20111215	HU20100000299;	DARVAS FERENC;FILIPCSEI GENOVEVA;HELTOVICS GABOR;NANOFORM CARDIOVASCULAR THERAPEUTICS LTD;OETVOES ZSOLT;	B82Y40/00; C07D207/34; A61K31/40; A61P31/06;	Nanostructured atorvastatin, its pharmaceutically acceptablesalts and compositions of them, process for the preparation thereof and pharmaceutical compositions containing them

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CN102070782 A 20110525	US20090623000;	GM GLOBAL TECH OPERATIONS INC;UKRAINIAN ACADEMY OF SCIENCES L V;	B82Y40/00; C08G73/02; C08G73/06; C08K3/22; B82Y30/00; H01M4/62; C08L79/04; H01M4/1391; C08L79/02; C08L65/00; C08G61/12;	Hybrid two- and three-component host-guest nanocomposites and method for manufacturing the same
WO2011103174 A2 20110825	US20100305006P ;	ETAMOTA CORP;WONG ERIC W;	B82Y40/00; C09K5/14;	Process for making thin film heat spreaders
WO2011076357 A1 20110630	EP20090015850; US20100335620P ;	BASELL POLYOLEFINE GMBH;KRISTEN MARC OLIVER;MUELHAUPT ROLF;MUELLER GEORG;	B82Y40/00; D01F9/10;	Preparation of metal oxide nanotubes
WO2011021183 A2 20110224	US20090272105P ;	BEN-ISHAI MOSHIT;DUCOBNI TAMIR;ELNATHAN ROEY;ENGEL YONI;PATOLSKY FERNANDO;PEVZNER ALEXANDER;UNIV RAMOT;	B82Y40/00; H01L29/06; B82Y10/00;	Aligned nanoarray and method for fabricating the same
WO2011162726 A1 20111229	SG20100004577;	AGENCY SCIENCE TECH & RES;BUDDHARAJU KAVITHA;LI YIDA;LO GUO QIANG PATRICK;SINGH NAVAB;	B82Y40/00; H01L35/34; B82B3/00; H01L35/28; H01L35/14; B82B1/00;	Thermoelectric device and method for manufacturing a thermoelectric device

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WO2011095665 A1 20110811	ES20100000157;	AGUILO AGUAYO NOEMI;BERTRAN SERRA ENRIC;INESTROSA IZURIETAMARIA JOSE;UNIV BARCELONA;	B82Y40/00; H05H1/00;	Procedure and reactor for the obtainment of nanoparticles
WO2011128488 A1 20111020	ES20100030557;	CABAL ALVAREZ MARIA BELEN;CONSEJO SUPERIOR INVESTIGACION;FUNDACION INST TECNOLOGICO DEMATERIALES DE ASTURIAS ITMA;MOYA CORRAL JOSE S;	B82Y5/00; A61K33/38; B82B1/00; C01B33/26;	Composition comprising aluminum silicates and silvernanoparticles as bactericides
WO2011135101 A2 20111103	FR20100053389;	INST NAT SCIENCES APPLIQ;LUX FRANCOIS;MIGNOT ANNA;MOWAT PIERRE;NANOH;PERRIAT PASCAL;ROUX STEPHANE;SAINT JEAN MAXIME;TILLEMENT OLIVIER;UNIV LYON 1 CLAUDE BERNARD;	B82Y5/00; A61K49/18; B82Y15/00;	Ultrafine nanoparticles comprising a functionalized polyorganosiloxane matrix and including metal complexes; method for obtaining same and uses thereof in medical imaging and/or therapy
WO2011070212 A2 20110616	ES20090031146;	BOSCHI FEDERICO;CALDERAN LAURA;CALVINO GAMEZ JOSE JUAN;CUESTA MARTOS RAFAEL;DOMINGUEZ VERA JOSE MANUEL;FERNANDEZ LOPEZ BELEN;GALVEZ RODRIGUEZ NATIVIDAD;HUNGRIA HERNANDEZ ANA B;MARZOLA PASQUINA;UNIV CADIZ;UNIV GRANADA;UNIV JAEN;VALERO ROMERO ELSA;	B82Y5/00; A61K51/08; A61K49/14;	Multifunctional nanostructures as trimodal mri/oi/spect diagnosis agents
WO2011119128 A1 20110929	UA20100003289U ;	KAPLUNENKO VOLODYMYR HEORHIIOVYCH;KOSINOV MYKOLA VASYLIOVICH;	B82Y5/00; C01G9/00; C07C51/41; C07C59/265;	Ultra-pure aqueous solution of a metal carboxylate

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US2011052918 A1 20110303	US20080038967P ;US20090988992; WO2009US38092;		C01B17/00; B32B5/16; C01B19/04;	Magic size nanoclusters and methods of preparing same
US2011260109 A1 20111027	US20040573804P ;US20050136653; US20080968228; US20090552970; US20100887224; US201113155141;	UNIV DREXEL;	C01B17/20; C01G21/21; C01G9/08; C01G45/00; C01G11/02;	Water soluble nanocrystalline quantum dots
US2011277838 A1 20111117	US20100313669P ;US201113046672	UNIV CALIFORNIA;	C01B19/00; H01L31/0368;	Photovoltaic devices employing ternary compound nanoparticles
US2011311814 A1 20111222	US20100355260P ;US201113087642	US GOVERNMENT;	C01B19/04;	Method for the formation of pbse nanowires in non-coordinatingsolvent
EP2318310 A2 20110511	FR20080003976; WO2009FR00852;	CENTRE NAT RECH SCIENT;UNIV PARIS CURIE;	C01B21/064; C04B35/5831;	Nanoscale cubic boron nitride
EP2289847 A1 20110302	EP20050752154;S E20040001524;	PROMIMIC AB;	C01B25/32;	Method of producing a powder
EP2358631 A1 20110824	US20080188195P ;US20090406715; WO2009US52800;	RAYTHEON CO;	C01B3/00;	Fuel removal system for hydrogen implanted in a nanostructurematerial
WO2011050359 A1 20110428	US20090254473P ;	BELCHERANGELA;MASSACHUSET TS INST TECHNOLOGY;NELTNER BRIAN THOMAS;	C01B3/40; B01J37/36; B01J35/00; B01J37/03; B01J35/10;	Biotemplated inorganic materials
US2011318257 A1 20111229	US20090286947P ;US20100970750;	GEORGIA TECH RES INST;	C01B31/00; B01J19/12; B01J19/08;	Production of graphene sheets and features via laser processingof graphite oxide/ graphene oxide

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US2011186947 A1 20110804	US20080069213P ;US20090921981; WO2009US37009;	UNIV UTAH;	C01B31/00; B32B9/00; B32B3/10; B32B33/00; H01L43/02; G11B5/74;	Magnetic nanohole superlattices
ES2361763 A1 20110622	ES20090031135;	CONSEJO SUPERIOR INVESTIGACION;	C01B31/00; B82Y30/00;	Uso de arcillas fibrosas como coadyuvantes para mejorar la dispersion y estabilidad coloidal de nanotubos de carbono de medios hidrofílicos.
US2011287241 A1 20111124	US20090262319P ;US20100391670 P;US2010094944 8;	UNIV PRINCETON;VORBECK MATERIALS CORP;	C01B31/00; C01B31/04; B32B5/00; B05D5/12;	Graphene tapes
US2011280792 A1 20111117	BR2008PI06065; WO2009BR00314 ;	PETROLEO BRASILEIRO SA;	C01B31/00; D01F9/127; D01F9/12; C01B31/02;	Carbon nanomaterials produced from heavy oil fractions and method for producing same
US2011227000 A1 20110922	US20100315473P ;US201113052713 ;		C01B31/00; H01B1/04; C25D13/02;	Electrophoretic deposition and reduction of graphene oxide to make graphene film coatings and electrode structures
US2011269629 A1 20111103	GB20100004554;	ISIS INNOVATION;	C01B31/00; H01L39/12; C01B31/36; C07C13/615; C07F5/02; H01L29/775; C07C25/00;	Superconducting materials
EP2373579 A2 20111012	US20080193582P ;WO2009US67166 ;	TISOL LLC;	C01B31/00; H01M10/52; H01M4/133; C01B31/02; H01M10/00;	Multicomponent nanoparticle materials and process and apparatus therefor

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US2011189076 A1 20110804	US20040887695; US20050173419; US20060430743; US201113084290;		C01B31/02;	Spherical carbon nanostructure and method for producing spherical carbon nanostructures
ES2351845T T3 20110211	FI20050001171;	CANATU OY;	C01B31/02;	Nanotubos de carbono funcionalizado con fullerenos.
CN102026917 A 20110420	FR20080051094; WO2009FR50247;	COMMISSARIAT ENERGIE ATOMIQUE;	C01B31/02;	Growth of carbon nanotubes on carbon or metal substrates
EP2393752 A2 20111214	FR20090050757; WO2010EP51510;	COMMISSARIAT ENERGIE ATOMIQUE;	C01B31/02;	Method and kit for separating metal and semiconductor carbon nanotubes
EP2307313 A1 20110413	GB20080012328; GB20080022526; WO2009GB01661 ;	IMP INNOVATIONS LTD;UCL BUSINESS PLC;	C01B31/02;	Method for dispersing and separating nanotubes
EP2316791 A1 20110504	DE200910051126;	KARLSRUHER INST TECHNOLOGIE;	C01B31/02;	Carbon nanoparticles with a covalent bond to a target molecule through a bridging molecule and method for producing same
EP2277830 A1 20110126	JP20080067721; WO2009JP01160;	OTSUKA CHEMICAL HOLDINGS CO LTD;	C01B31/02;	Method for manufacturing carbon nanotube
GB2476916 A 20110713	WO2008MY00143 ;	UNIV SAINS MALAYSIA;	C01B31/02;	A process for producing carbon nanotubes (cnts)
CN102066244 A 20110518	JP20080163688; WO2009JP61308;	TOKUYAMA CORP;	C01B31/02; B01J20/20; C01B3/00;	Porous carbon material and process for production thereof
ES2364305T T3 20110830	DE200710044031;	BAYER MATERIALSCIENCE AG;	C01B31/02; B01J37/03; A61K33/44; B01J23/889;	Polvo de nanotubos de carbono, nanotubos de carbono y procedimiento para su preparacion.

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US2011111177 A1 20110512	JP20080051319;J P20080119820;W O2009JP53907;		C01B31/02; B29C39/00; B32B5/02; B32B38/16; B32B38/00; B05D3/02; B32B3/00;	Carbon nanotube film structure and method for manufacturing thesame
JP2011138768 A 20110714	US20010278419P ;US20010311810 P;US2001031181 1P;US200103118 15P;	EIKOS INC;	C01B31/02; B32B9/00; B32B27/18; C08L101/00; C08K3/04; C09D5/24; C08K7/06; C09D1/00; B32B7/02; B82B1/00; H01B5/14; C08J7/04; H01B1/24; C09D201/00; C08J5/18; C09D7/12; C08K7/24;	Coating containing carbon nanotubes
CN102092704 A 20110615	CN20091250643;	BEIJING FUNATE CREATIVE SCIENCE AND TECHNOLOGY CO LTD;	C01B31/02; B82B3/00;	Device and method for preparing carbon nanotube array
KR20110028629 A 20110321	FI20080005667;	CANATU OY;	C01B31/02; B82B3/00;	Uses of a carbon nanobud molecule and devices comprising the same

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WO2011163129 A2 20111229	US20100357420P ;	BOSNYAK CLIVE P;DESIGNED NANOTUBES LLC;SWOGGER KURT W;	C01B31/02; B82Y30/00; C08K7/04;	Modified carbon nanotubes, methods for production thereof and products obtained therefrom
EP2374754 A1 20111012	EP20070867014; US20060780607P ;US20060871824 P;	BATTELLE MEMORIAL INSTITUTE;	C01B31/02; B82Y30/00; C09D7/12; C03C17/00; C03C17/34; C09D5/24; C03C17/22; H01B1/04;	Multi-layer structure comprising carbon nanotubes
WO2011086457 A2 20110721	JP20100006903;	IWASAKI MASAHIRO;KUBO HIROKI;TOYOTA MOTOR CO LTD;YOSHIDA SATOSHI;	C01B31/02; B82Y30/00; H01M4/36; C01B25/45;	Method for manufacturing composite positive electrode active material
WO2011085363 A1 20110714	US20100293853P ;	MARTI-ARBONA ANGEL A;PASQUALI MATTEO;SAHA AVISHEK;UNIV RICE WILLIAM M;	C01B31/02; B82Y40/00; B82Y30/00;	Immobilized carbon nanotubes on various surfaces
ES2367648T T3 20111107	IT2004RM00502;	UNIV ROMA;	C01B31/02; C01B3/26; B01J23/83;	Produccion simultanea de nanotubos de carbono y de hidrogenomolecular.
EP2376385 A1 20111019	IN2009DE00048; WO2010IN00023;	COUNCIL SCIENT IND RES;	C01B31/02; C01G23/047; H01L51/00; H01G9/20;	High efficient dye-sensitized solar cells using tio2-multiwalledcarbon nano tube (mwcnt) nanocomposite
ES2371008T T3 20111226	FR20030004492;	CENTRE NAT RECH SCIENT;UNIV PASTEUR;UNIV STRASBOURG;	C01B31/02; C08F292/00; A61K9/00; C08F38/00; A61K47/34;	Macromoleculas autoensambladas alrededor de nanotubos decarbono, un procedimiento para su preparacion y sus aplicaciones.

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TW201107373 A 20110301	JP20090112885;	NISSAN CHEMICAL IND LTD;	C01B31/02; C08L79/04; C08J5/18; C08G73/06; C08K3/04; B01F17/52;	Carbon nanotube dispersing/solubilizing agent
EP2370355 A2 20111005	FR20080006869; WO2009FR52409;	CENTRE NAT RECH SCIENT;	C01B31/02; C09C1/48;	Method for the synthesis of carbon nanotubes on long particulate micrometric materials
MY144391 A 20110915	JP20020217136;	SATO KUNIMICHI;	C01B31/02; C10B53/07; C10G1/10; C10B47/46; C01B7/01; B09B3/00; C10B53/00; C01B31/08;	Recycling method, system and container
KR20110116028 A 20111024	JP20090029128;	NAT INST OF ADVANCED IND SCIEN; ZEON CORP;	C01B31/02; C23C16/26; B82B3/00;	Apparatus for producing oriented carbon nanotube aggregate
EP2291324 A1 20110309	KR20080049464; WO2008KR05712;	BIONEER CORP;	C01B31/02; C23C18/08; B22F1/02; C23C18/16; C23C18/31; C23C18/10;	Nanocomposites consisting of carbon nanotube and metal and a process for preparing the same
SG175653 A1 20111128	US20060583545;	UNIV FLORIDA;	C01B31/02; D01F9/12;	Transparent and electrically conductive single wall carbon nanotube films

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EP2385016 A1 20111109	EP20070795034; US20060802040P ;	MASSACHUSETTS INST TECHNOLOGY;	C01B31/02; D01F9/127; B82B1/00; B82Y30/00; D01F9/133;	Continuous process for the production of nanostructures
EP2287373 A1 20110223	EP20030775926;J P20030030096;	MITSUBISHI HEAVY IND LTD;	C01B31/02; D01F9/127; D01F9/133;	Producing method of carbon nanofibers
WO2011024539 A1 20110303	JP20090194537;	HATA KENJI;HAYAMIZU YUHEI;NAT INST OF ADVANCED IND SCIEN;YAMADA TAKEO;	C01B31/02; G01D5/16; G01B7/16;	Expansion device using carbon nanotube and method formanufacturing same
WO2011133174 A1 20111027	US20100763799;	JOHNSON JAY M;KING EDWARD E;RIEHL BILL L;RIEHL BONNIE D;RIEHL JOHNSON HOLDINGS LLC;SCHLUETER KEVIN T;YSI SENSORS LLC;	C01B31/02; G01N27/30;	Electrode and sensor having carbon nanostructures
EP2333545 A2 20110615	KR20080082507; WO2009KR04685;	MI TECH CO LTD;UNIV SUNGKYUNKWAN FOUND;	C01B31/02; G01N33/543;	Method for increasing sensitivity using linker and spacer in carbon nanotube-based biosensor
EP2281779 A2 20110209	KR20090072116;	SAMSUNG ELECTRONICS CO LTD;	C01B31/02; H01J1/304;	Graphene base and method of preparing the same
WO2011046157 A1 20110421	JP20090238936;	NEC CORP;YUDASAKA MASAKO;YUGE RYOTA;	C01B31/02; H01J1/304; B82B1/00; B01J23/755; B82B3/00; H01J9/02; H01J63/06;	Nanotube-nanohorn composite body and method for producing same
KR20110116622 A 20111026	KR20100036146;	UNIV YONSEI IACF;	C01B31/02; H01M4/583; H01M10/0525; H01M4/485;	Method of manufacturing transition metal oxide/carbon nanotube composite and the composite

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US2011014111 A1 20110120	US20070962831P ;US20080667808; WO2008US71326;		C01B31/04;	Highly efficient process for manufacture of exfoliated graphene
US2011171427 A1 20110714	US20100282289P ;US201113004328 ;	SAMSUNG TECHWIN CO LTD;UNIV SUNGKYUNKWAN FOUND;	C01B31/04; B32B3/00;	Method of manufacturing deformation-capable graphene sheet,deformation-capable graphene sheet, and device using the same
WO2011086391 A1 20110721	GB20100000743;	KINLOCH IAN ANTHONY;NOVOSELOV KONSTANTIN SERGEEVICH;UNIV MANCHESTER;YOUNG ROBERT JOSEPH;	C01B31/04; B82Y30/00;	Graphene polymer composite
CN102015529 A 20110413	US20080067478P ;WO2009EP52127 ;	BASF SE;	C01B31/04; C09C1/46;	Graphite nanoplatelets and compositions
KR20110039568 A 20110419	US20080084140P ;US20090460993;	BATTELLE MEMORIAL INSTITUTE;	C01B31/04; H01M4/583; H01M10/00; C01B31/02;	Nanocomposite of graphene and metal oxide materials
US2011172132 A1 20110714	US20100294335P ;US201113005295 ;		C01B31/06; C09K5/00; C10M125/02; B32B5/00;	Materials comprising deaggregated diamond nanoparticles
US2011258939 A1 20111027	US20080105650P ;US201113087211 ;WO2009US60884 ;	UNIV COLUMBIA;	C01B31/20; B01J23/83; C09K3/14; C01F1/00; H01M8/06; C01F17/00;	Methods for producing nanoparticles having high defect densityand uses thereof

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US2011160034 A1 20110630	JP20050099700;U S20070887172;U S20110932696;W O2006JP306742;	FUKUOKA PREFECTURE;NIPPON TUNGSTEN;	C01B31/30; C01B31/34; C04B35/56; C04B35/52;	Titanium carbide powder and titanium carbide-ceramics composite powder and method for production thereof, and sintered compact from the titanium carbide powder and sintered compact from the titanium carbide/ceramics composite powders and method for production thereof
US2011124790 A1 20110526	FR20070008167; WO2008FR01627;	CENTRE NAT RECH SCIENT;	C01B31/30; C08K3/14;	Aerogels of carbon nanotubes
US2011088759 A1 20110421	US20060841983P ;US20070844827; US20100976215;	INNOVALIGHT INC;	C01B31/36; C01B31/30; H01B1/12; H01B1/02; H01L31/028; H01B1/04;	Fullerene-capped group iv semiconductor nanoparticles and devices made therefrom
US2011318250 A1 20111229	US20100352499P ;US201113155853 ;		C01B33/021; C01B33/00;	Rapid solid-state metathesis routes to nanostructured silicon-germanium
US2011159286 A1 20110630	KR20090136199;	ISNU R & DB FOUNDATION;	C01B33/12; B32B1/00; C23C16/01;	Method of manufacturing silica nanowires
WO2011107822 A1 20110909	US20100309721P ;	BASSET JEAN-MARIE;KING ABDULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY;POLSHETTIWARVIV EK;	C01B33/12; B82Y30/00; B82Y5/00; B01J35/00; C09C1/30; B01J37/00;	High surface area fibrous silica nanoparticles
WO2011011899 A2 20110203	US20090229351P ;	UNIV CHILE;	C01B33/14;	Hybrid nanoparticles with controlled morphology and use thereof in nanocomposites with thermoplastic polymer matrix
WO2011018935 A1 20110217	JP20090187615;J P20090187616;	ANDOU MICHIAKI;AOKI OSAMU;JSR CORP;SHINODA TOMOTAKA;	C01B33/18; C01B31/02; B82B1/00;	Composition and film containing carbon nanotubes

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MX2010014221 A 20110225	US20080076914P; WO2009US47749	UNION CARBIDE CHEM PLASTIC;	C01B33/44; C08J5/00; C08J3/20; C09C3/08; C08K9/04;	Method for exfoliating organoclay to produce a nanocomposite.
US2011062430 A1 20110317	US20080057982P; US20090994273; WO2009US45850;		C01B35/00; H01L51/54; C09K11/62; C01F17/00; C09K11/02; H01L33/32; C01B21/00;	Blue light emitting nanomaterials and synthesis thereof
US2011281112 A1 20111117	KR20100044938;	KOREA INST GEOSCIENCE & MINERA;	C01F17/00;	Method for producing cerium dioxide nanopowder by flame spray pyrolysis and cerium dioxide nanopowder produced by the method
US2011117367 A1 20110519	US201113007704;	POOYA NANO POWDERS RES GROUP;	C01F17/00;	Strontium cerate synthesis method
US2011045299 A1 20110224	MX2006NL00070; WO2007MX00045	IND PENOLES SA DE CV;	C01F5/14;	Method for producing stable, monodispersed, nanometric magnesiumhydroxide and resulting product
EP2335821 A1 20110622	DE200610032452; EP20070765176;	SUED CHEMIE AG;	C01F7/00; C01G45/00; B01J23/80; C01B13/14; B01J21/04; C01G3/00; C01G9/00; B01J23/889;	Method for the production of nanocrystalline metal oxide
PT2043954E E 20110831	DE200610032582;	CLARIANT FINANCE BVI LTD;	C01F7/02;	Method for producing nanoparticles of aluminium spinels, and theuse thereof

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JP2011238952 A 20111124	US19990413518;	SAINT GOBAIN CERAMICS;	C01F7/44; C09K3/14; C09G1/02; B24B37/00; H01L21/304; H01L21/321;	Cmp products
ES2366917T T3 20111026	US20050647427P ;	TEKNA PLASMA SYSTEMS INC;	C01G1/00; B01J19/08; C01G17/02; C01B13/36; C01B13/30; B22F9/12; C01G1/02;	Sintesis de nanopolvos mediante plasma de induccion.
ES2371009T T3 20111226	ZA20060004138;	RUBBER NANO PRODUCTS PTY LTD;	C01G1/02;	Oxidos y sulfuros de metales de transicion nanometricos,protegidos, no polares.

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ES2363071T T3 20110719	AU1998PP03557;	ADVANCED NANO TECHNOLOGIES PTY LTD;SAMSUNG CORNING PREC MAT CO;	C01G1/02; C22B5/02; B22F9/20; C01G23/00; C01G23/08; C22C1/04; C01F7/44; C01F7/30; C01F11/06; B22F9/04; C01G99/00; C01G19/02; C01F7/02; C01B13/14; C01G23/04; C01G9/02; B01J19/00; C22F1/04; C01F17/00; C01G25/02; B02C19/18; C01B13/32; C01G23/047; C01B13/18;	Proceso para la produccion de polvos ultrafinos.
US2011124185 A1 20110526	US20020409843P ;US20020409845 P;US2003065999 2;US20080029607 ;US20100938870;	UNIV CALIFORNIA;	C01G11/00; C09K11/88; G01N33/58; H01L21/20; C09K11/56; C01B19/00;	Graded core/shell semiconductor nanorods and nanorodbarcodes

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US2011193024 A1 20110811	US20100295523P ;US20110930914;		C01G11/02; C09K11/81; C01B17/42; C01B25/37; C01G9/08;	Metal sulfide and rare-earth phosphate nanostructures and methods of making same
EP2310316 A1 20110420	US20080139685; WO2009US41497;	RAYTHEON CO;UNIV ARIZONA STATE;	C01G17/00; C01B35/00; C01G15/00; C01G23/00; C01B21/00; C01B21/02; C01B33/00; C01B31/02; C01F1/00;	System and method for growing nanotubes with a specified isotope composition via ion implantation using a catalytic transmembrane
US2011206596 A1 20110825	US20080112795P ;US200913126471 ;WO2009IL01054;	YEDA RES & DEV;	C01G21/16; C01G39/06; C01G30/00; C01G41/00; C01G29/00;	Inorganic multilayered nanostructures
PT1988059E E 20110711	BR2007PI00849;	PETROLEO BRASILEIRO SA;	C01G23/00;	Continuous process for the preparation of sodium titanate nanotubes
US2011281111 A1 20111117	US20100333463P ;US201113105102 ;	NEVADA SYSTEM OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF NEVADA BOARD OF REGENTS;	C01G23/04; B32B5/16;	Synthesis of pyrochlore nanostructures and uses thereof
US2011150752 A1 20110623	US20090289470P ;US20100971414;	3M INNOVATIVE PROPERTIES CO;	C01G23/047;	Remote plasma synthesis of metal oxide nanoparticles
US2011189605 A1 20110804	KR20080087854;	SUKGYUNG AT CO LTD;	C01G23/047;	Making method for titania nanoparticle

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CN101952202 A 20110119	WO2008IT00082;	DAUNIA WIND SRL;	C01G23/053;	Process for the preparation of titanium dioxide with nanometric dimensions and controlled shape
US2011150753 A1 20110623	KR20080089634; WO2009KR05034;	KOREA BASIC SCIENCE INST;	C01G23/053; C01G23/08;	Method for preparing uniform anatase-type titanium dioxide nanoparticles
EP2328843 A1 20110608	IT2008PD00258; WO2009IB53866;	CONSORZIO INTERUNIVERSITARIO ISTITUTO NAZ DI BIOSTRUTTURE E BIOSISTEMI; MAGRO MASSIMILIANO; RIGO ADELIO; SCARPA MARINA; TOGNON GIUSEPPE; VIANELLO FABIO; ZENNARO LUCIO;	C01G23/08; C01G23/053; C01G23/00; C01G23/047; B01F3/12; B82Y30/00;	Method for preparing aqueous solutions of single titanium oxide nanotubes and aqueous solutions of nanotubes obtained with such method
ES2352878 T3 20110223	NO20050005721;	PROTOTECH AS;	C01G25/02; C01G53/04; C01G35/00; C01B33/152; C01G17/02; C01G27/02; C01G1/02; C01B13/32;	Nanoparticulas y metodo de proceso sol-gel.
CN101945824 A 20110112	US20070017326P ; WO2008US87385 ;	3M INNOVATIVE PROPERTIES CO;	C01G25/02; C04B35/119;	Method of making zirconia-containing nanoparticles
HK1091192 A1 20110114	EP20030008854; WO2004EP04488;	CT FUER ANGEWANDTE NANOTECHNOLOGIE CAN GMBH;	C01G31/00; C01B25/45; C09K11/77;	Synthesis of nanoparticles comprising metal (iii) vanadate
US2011085964 A1 20110414	US20060759568P ; US20070223108; WO2007US60668;		C01G31/02;	Method of preparing vanadium dioxide nanoparticles

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IL176095 A 20110927	FR20030014259; WO2004FR03129;	CENTRE NAT RECH SCIENT;	C01G39/06; C01G23/00; C01G41/00; C01G1/12; C01G1/02; C01G11/02; C01G51/00; C01G23/047; C01G53/11;	Spray pyrolysis method for the synthesis of closed structurenanoparticles of metal chalcogenides and nanoparticles of metal chalcogenides obtained by said method
US2011008245 A1 20110113	KR20090061510; KR20100013750;	KAIST KOREA ADVANCED INST OF SCIENCE AND TECHNOLOGY;	C01G45/02; C01G49/02; B05D3/06; C01G31/02; C01G29/00; B05D1/18; C01G39/02; C01G19/02; C01G9/02;	Method for manufacturing nanostructure and nanostructuremanufactured by the same
US2011033368 A1 20110210	US20070977792P ;US20080681771; WO2008SG00381 ;	AGENCY SCIENCE TECH & RES;	C01G49/02; C01G45/02; C01B19/04; C01G51/04; C01G9/02; C01B19/00;	Methods of forming a nanocrystal
SE0901216 A1 20110222	SE20090001216;	SMALL PARTICLE TECHNOLOGY GBG AB;	C01G5/00; A01N59/16; C01B33/14;	Nanopartiklar av silver
US2011091723 A1 20110421	US20070977685P ;US20080245978; US20090264967P ;US20100954800;	NAVAL RES LAB;	C01G55/00; B32B5/00; B32B9/04; C09D7/00; B05D3/02;	Ruo2 coatings

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US2011091510 A1 20110421	US20080049262P; US20090936491; WO2009US02686;	UNIV FLORIDA;	C01G9/02; C01B21/06; A61K33/24; A61K9/00; B32B9/00; A61P43/00; C12N5/071; C01G23/047; A61K31/727; A61K38/02; A61L33/00; A61K31/407; C01B33/02;	Nanorod materials and methods of making and using same
CN101952373 A 20110119	US20070015990P; US20070016048 P; WO2008US86914;	3M INNOVATIVE PROPERTIES CO;	C01G9/02; C09C3/08; C09C1/04;	Mixed ligand surface-modified nanoparticles
EP2307317 A2 20110413	GB20080013273; US20080082335P; WO2009GB01777;	NANOCO TECHNOLOGIES LTD;	C01G9/08; C01G11/02; C01G11/00; C01G21/21;	Method for producing aqueous compatible nanoparticles

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JP2011256106 A 20111222	KR20040091894; KR20050079284;	SAMSUNG ELECTRONICS CO LTD;	C01G9/08; C09K11/88; B82Y40/00; H05B33/02; C01G13/00; H05B33/28; H05B33/26; C09K11/62; H05B33/20; C09K11/66; C01G11/02; H01L51/50; C01B21/06; C01B25/08; C01B19/04; C09K11/56; C09K11/64; B82Y30/00; C09K11/08; C09K11/70; C01B21/072; C01G21/21; H05B33/14; B82Y20/00; C09K11/74; C09K11/00; C09K11/89; H01L33/28;	Nanocrystal with multilayered structure and method for producing thereof
US2011096527 A1 20110428	KR20090101732;	SAMSUNG ELECTRONICS CO LTD;	C01G9/08; F21V9/16; C09K11/56;	Nanophosphor, light emitting device including nanophosphor, and method of preparing nanophosphor

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US2011190435 A1 20110804	US20070709274; US20110983947;	NANOTEK INSTR INC;	C01G99/00; C01B31/00;	Method of producing nano-scaled graphene and inorganic platelets and their nanocomposites
EP2274240 A2 20110119	US20080111361; WO2009US40597;	BAKER HUGHES INC;	C02F1/28; B01J20/04; B01D24/10;	Wastewater purification with nanoparticle-treated bed
WO2011034821 A1 20110324	US20090560083;	ABS MATERIALS INC;	C02F1/28; B01J20/10;	Apparatus and method for removing small molecule organicpharmaceuticals from aqueous solutions
US2011220577 A1 20110915	IN2010DE00578;	COUNCIL SCIENT IND RES;	C02F1/28; C02F1/62;	Process for the removal of arsenic and chromium from water
WO2011005693 A1 20110113	US20090223338P;US20090241241 P;US2009025936 5P;US201003105 63P;US20100347 995P;	BALU VENKATASUBRAMANI;CONSORTE CHARLES D;RINCON MICHELLE M;SUZUKI TATSUNORI;ZEPTOR CORP;	C02F1/42; C02F1/461;	Carbon nanotube composite structures and methods ofmanufacturing the same
US2011180423 A1 20110728	US20080027622P;US20090369219; US20100977347;	WISCONSIN ALUMNI RES FOUND;	C02F1/467; C02F1/461;	Methods for removing contaminants from aqueous solutions usingphotoelectrocatalytic oxidization
CN102224819 A 20111026	CN20111093148;	INST OCEANOLOGY CHINESE ACAD;	C02F1/50; A01N25/08; A01N59/16; A01P3/00;	Nano silver loaded graphene oxide composite bactericide,and its preparation and application

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JP2011088050 A 20110506	JP20090242421;	PANASONIC ELEC WORKS CO LTD;	C02F1/50; C02F9/00; B01F3/04; B01F5/04; C02F1/34; C02F1/44; C02F3/34; C02F1/20; C02F1/68; B01F5/12; C02F1/00; C02F1/78; C02F1/46; C02F1/30; C02F1/36; B01D61/00; A01K63/04;	Biologically active water, apparatus for producing biologically activewater, and biological activation method
US2011174738 A1 20110721	US20080132380P ;US20090487323; US20100316669P ;US201113069097 ;	UNIV ARKANSAS;	C02F1/62; B01J19/12; H01F1/01; C02F1/42;	Methods of synthesizing carbon-magnetite nanocomposites fromrenewable resource materials and application of same
CA2763739 A1 20110210	EP20090167095; WO2010EP60056;	DSM IP ASSETS BV;	C02F1/68; A01N25/12; A01N25/34; A01P1/00; A01N25/10; C02F1/50;	Antimicrobial material for water sterilization
WO2011041458 A1 20110407	US20090246953P ;	BARUWATI BABITA;COLLINS JOHN B; HOAG GEORGE E;VARMA RAJENDER S;	C02F3/00;	Green synthesis of nanometals using fruit extracts and usethereof

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WO2011007097 A1 20110120	FR20090054861;	DIOUM SERIGNE;	C02F9/00; C02F1/28;	Product for removing pollutants from a fluid, and method for producing same
WO2011147945 A2 20111201	DE201010021492;	HULTSCH PHILIPP; NANOPARTICA GMBH; SERVIN PAUL;	C03C14/00; C03C4/02; C03C1/10; B82Y30/00;	Method for producing colored glass
US2011073473 A1 20110331	US20090570211;	HONEYWELL INT INC;	C03C17/34; G01N27/30; B05D5/00;	Three-dimensionally ordered macroporous sensor apparatus and method
US2011318535 A1 20111229	KR20100062183;		C03C25/68; B32B3/00;	Three-dimensional nanostructures and method for fabricating the same
SG170619 A1 20110530	US20020230882;	UNIV ILLINOIS;	C03C25/68; B44C1/165; B81C1/00; G03F7/00; B81C99/00; B32B3/00;	Decal transfer microfabrication
CN102211007 A 20111012	CN20101138060;	SHENYANG INST AUTOMATION;	C03C27/00; B01J19/00; B81C3/00;	Nanotube encapsulating method

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US2011251293 A1 20111013	DE200810059700; WO2009EP08347;		C03C4/02; C04B14/04; C03C17/23; A01N59/00; A61K8/25; A61Q1/04; A61Q1/10; A61Q19/00; C08K3/22; C08K3/08; C09D11/00; C03C21/00;	Coloured glass particles, method for the production thereof and use thereof
EP2290137 A1 20110302	EP20090011058;	MAX PLANCK GESELLSCHAFT;	C04B20/00; C30B29/60; B22F9/02;	Method for the synthesis of metallic nanotubes and nanotubes synthesized by the method
EP2321219 A2 20110518	US20080190542P ;WO2009US54306 ;	DOW CORNING;	C04B35/00; C01B31/02; C01B33/021; C01B31/36;	Fibers including nanoparticles and a method of producing the nanoparticles
US2011315808 A1 20111229	US20100821876; US201113009837;		C04B35/58; C04B35/10; F42B15/01; C04B35/547; C04B35/622; C04B35/505; C04B35/56; C04B35/00;	Solid solution-based nanocomposite optical ceramic materials
EP2310340 A2 20110420	US20080183464; WO2009US04208;	CORNING INC;	C04B35/622;	Nanofibers and methods for making the same

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CN102245538 A 20111116	US20080333670; WO2009US67297;	CORNING INC;	C04B35/628; C04B35/58; C04B35/645; C04B35/626; C04B35/46; C04B35/56;	Titania-half metal composites as high-temperature thermoelectric materials
US2011150735 A1 20110623	US20060856189P ;US20070924394;	L LIVERMORE NAT SECURITY LLC;	C04B35/64; C01F17/00;	Fabrication of transparent ceramics using nanoparticlessynthesized via flame spray pyrolysis
WO2011073483 A1 20110623	ES20090031176;	BORRELL TOMAS MARIA AMPARO;CONSEJO SUPERIOR INVESTIGACION;FERNANDEZ VALDES ADOLFO;GARCIA MORENO OLGA;INST TECNOLOGICO DE MATERIALES DEASTURIAS ITMA 50;TORRECILLAS SAN MILLAN RAMON;	C04B38/00; C04B35/19; B82Y30/00;	Composite material of electroconductor having controlled coefficientof thermal expansion
CN102150589 A 20110817	CN20101580209;	SUZHOU SETEK TECHNOLOGY CO LTD;	C05D9/02; A01C21/00; A01G17/00;	Organic selenium-enriched navel orange and production method thereof
CN102150538 A 20110817	CN20101580228;	SUZHOU SETEK TECHNOLOGY CO LTD;	C05D9/02; A01G1/00; A01C21/00;	Selenium-enriched paddy seedling and cultivation method thereof andproduced organic selenium-enriched rice
CN102150533 A 20110817	CN20101580201;	SUZHOU SETEK TECHNOLOGY CO LTD;	C05D9/02; A01G1/00; A01C21/00;	Selenium-rich cauliflower and production method thereof
CN102150532 A 20110817	CN20101580190;	SUZHOU SETEK TECHNOLOGY CO LTD;	C05D9/02; C05G1/00; A01G1/00;	Selenium-enriched eggplants and production method thereof

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WO2011059507 A1 20110519	US20090281131P; US20100341956P;	BIRIS ALEXANDRU S;KHODAKOVSKAYA MARIYA V;	C05F11/00;	Method of using carbon nanotubes to affect seed germination and plant growth
JP2011168483 A 20110901	US19980101092P ;US19980106918P; US19990138505P;	WILLIAM MARSH RICE UNIV;	C07C13/64; B01J35/06; C01B31/02; C07C23/46; B01J21/18; D01F11/12; C01B31/00; C07C1/32; C07C17/007; B01J23/74;	Chemical derivatization of single-wall carbon nanotube to facilitate solvation thereof; and use of derivatized nanotube
US2011236957 A1 20110929	US20080195176P ;US200913122397; WO2009US59394;	UNIV CALIFORNIA;	C07C237/10; C12N5/071; C12N7/00; C07C43/13; C07K16/44; C09K11/06; C07H21/00; G01N33/53;	Nanoparticle labeling reagents and methods of use
US2011197653 A1 20110818	US20100856653; US201113091089; US201113095417;	KING ABDULAZIZ CITY FOR SCIENCE AND TECHNOLOGY KACST;	C07C27/00; B01J23/06; C07C45/72; B01J23/60;	Synthesizing and utilizing novel ruthenium nanoparticle-activated charcoal-nano-zinc oxide composite catalyst
US2011094277 A1 20110428	US20090254888P ;US20100850837;		C07C273/04; A01B79/00;	Nano-scale urea particles and methods of making and using the particles
US2011038794 A1 20110217	FR20070007782; WO2008FR01560;	COMMISSARIAT L EN ATOMIQUE ET AUX ENERGIES ALTERNATIVES;	C07C69/753; C07C51/08; C07D207/46; A61K51/04;	Method of radiolabelling carbon nanotubes, radiolabelled carbon nanotubes and applications thereof

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US2011252713 A1 20111020	US20100324142P ;US201113077426 ;US201113084067 ;WO2011US32504 ;		C07C9/15; C09K3/14;	Diamond particle mixture
US2011110858 A1 20110512	US20090260108P ;US20100927323;		C07D207/16; A61K49/04; A61K49/06; B32B5/16; A61K49/00;	Gold nanoparticle imaging agents and uses thereof
WO2011055247 A1 20110512	IN2009CH02743;I N2010CH01914;	GOVINDARAJUTHIMMAIAH;JAWAH ARLAL NEHRU CT FOR ADVANCED SCIENT RES;	C07D241/08; A61K31/495; C07K5/12; A61P25/28;	A synthetic cyclic dipeptide and a process thereof
US2011172417 A1 20110714	WO2008KR04041;	POSTECH ACAD IND FOUND;	C07D249/04; C07D295/096; C07F7/10; C07D295/073; C07D403/12; B01J37/10; C07D295/03; C07D295/155; C07D295/092; B01J21/02; C07D401/04; C07D249/06;	Heterogeneous copper nanocatalyst and manufacturing methodsthereof
US2011082261 A1 20110407	US20070995832P ;US20080190676; US20100944845;	ADVENT TECHNOLOGIES S A;	C07D333/24; C08F34/04;	Multifunctional materials consisting of regioregularpoly(3- alkylthiophene)s covalently attached on carbon nanotubes for photovoltaic applications

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US2011144163 A1 20110616	US20070986527P; US20080054504 P;US2008037313 5;WO2008US8295 6;		C07D409/12; C07K14/525; A61P35/00; C07K16/00; C07F1/12; A61K31/4427; C07D405/12; A61K31/337; A61K31/385; C07D305/14;	Thiolated paclitaxels for reaction with gold nanoparticles as drug delivery agents
US2011227002 A1 20110922	KR20060006852; US20060562208; US20100788793; US201113152600;	SAMSUNG ELECTRONICS CO LTD;	C07D471/04; C07D221/18; B05D5/00; C25D13/00; C07D209/56; B05D3/12; H01B1/24;	Aromatic imide-based dispersant for carbon nanotubes and carbon nanotube composition comprising the same
US2011077394 A1 20110331	US20020407520P; US20030652552; US20040874356;	NEVADA SYSTEM OF HIGHER EDUCATION ON BEHALF OF THE UNIVERSITY OF NEVADA RENO BOARD OF REGENTS;	C07D513/00; C07D491/00; C07D487/00;	Light-driven rotary molecular motors
WO2011116222 A2 20110922	US20100314889P; US20100351704 P;	FORGAN ROSS S; GASSENSMITH JEREMIAH J; SMALDONE RONALD A; STODDART J FRASER; UNIV NORTHWESTERN;	C07F1/00; B01J20/26; C08B37/16; G01N31/22; G01N21/80;	Nanoporous carbohydrate frameworks and the sequestration and detection of molecules using the same
US2011137062 A1 20110609	US20040635704P; US20050648920 P;US2008072155 4;US20111302692 9;WO2005US4496 3;	UNIV SOUTH CAROLINA;	C07F1/12;	Surface enhanced raman spectroscopy using shaped gold nanoparticles

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US2011062390 A1 20110317	US20070996433P; US20080064837P; US20080743121; WO2008US12844;	LUNA INNOVATIONS INC;	C07F3/00; H01B1/12;	Derivatives of nanomaterials and related devices and methods
US2011240980 A1 20111006	US20100321033P; US201113080564;		C07F5/02; C07D409/04; C07D235/18; H01L51/40; C07F7/18; C07D409/14; H01B1/12; H01L51/10; H01B1/04;	N-type doped organic materials and methods therefor
US2011301369 A1 20111208	TW20100118254;	UNIV NAT TAIWAN;	C07F5/06;	Exfoliated clay/surfactant complex for inhibiting microorganisms, viruses or plant pests
US2011288215 A1 20111124	US20090146466P; US201013143978; WO2010US21177;		C07F7/00; C09J133/10;	Surface-modified zirconia nanoparticles
US2011230672 A1 20110922	US20100315457P; US20100406523P; US20100407274P; US201113049375;	GEORGIA INST OF TECH OFFICE OF TECHNOLOGY LICENSING;	C07F7/02;	Single-walled metal oxide nanotubes
US2011152553 A1 20110623	KR20090128444;	KOREA ELECTRONICS TELECOMM;	C07F7/10;	Carbon nanotube composite and preparation method of the same
US2011118492 A1 20110519	US20030518406P; US20040982708; US20090567466; US20100941730;	UNIV CALIFORNIA;	C07F7/18; C01B39/24;	Polymer-zeolite nanocomposite membranes for proton-exchange-membrane fuel cells

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US2011192800 A1 20110811	KR20100013057; KR20100064795;	IUCF HYU;	C07F7/18; C02F1/42; C07F7/10;	Magnetic-cored dendrimer, the method for preparing the same, and the contaminant treatment method using the same
US2011092672 A1 20110421	TW20090135414;	UNIV NAT CHIAO TUNG;	C07F7/18; C07K14/54; C07K7/06;	Nanoparticle and magnetic resonance imaging contrast agent
US2011017950 A1 20110127	US19970969302; US19990145708P; US20000625861; US20030642578; US20040960947; US20060502493; US20090509869; US20100725438;	MASSACHUSETTS INST TECHNOLOGY;	C07F9/22; C30B7/00; B05D7/00; H01L33/00; C01B19/00; C07F9/53;	Highly luminescent color-selective nanocrystalline materials

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US2011245533 A1 20111006	US20060804921P; US20060810767P; US20060810914P; US20060825370P; US20060825373P; US20060825374P; US20070016227P; US200700886261P; US200700971885P; US200700971887P; US200700973644P; US200700992598P; US20080083998P; US20080140051P; US20090159351P; US20100722028; US201113015651; WO2007US13152; WO2008US10651; WO2009US04345;		C07F9/38;	Nanoparticle including multi-functional ligand and method
WO2011087456 A1 20110721	SG20100000176;	AGENCY SCIENCE TECH & RES; GAO ZHIQIANG; ZU YANBING;	C07H21/00; B82Y15/00; C07D413/00; G01N21/31; C12Q1/68;	Sequence-selective recognition of nucleic acids using nanoparticle probes
US2011172404 A1 20110714	US20080054334P; US20090993231; WO2009US44526;	UNIV CORNELL;	C07H21/04; C07H21/00; C07H1/00; C07H21/02;	Self-assembly of nanoparticles through nuclei acid engineering

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US2011224098 A1 20110915	US20100723842;	IBM;	C07H21/04; C40B40/06; B01J19/08; C07H21/02;	Nanopore based device for cutting long dna molecules into fragments
US2011171749 A1 20110714	US20090156722P; US20090178397P; US20100715929;	UNIV MICHIGAN STATE;	C07H21/04; G01N33/53; B32B5/16;	Nanoparticle tracer-based electrochemical dna sensor for detection of pathogens-amplification by a universal nano-tracer (aunt)
US2011212450 A1 20110901	US20020432589P; US20050538534; US201113103407; WO2003US39435;	UNIV ARIZONA;	C07H21/04; G01P3/68; C12Q1/68;	Polarization-enhanced detector with gold nanorods for detecting nanoscale rotational motion and method therefor
US2011098445 A1 20110428	US20090606766;	GOVERNMENT OF THE US AS REPRESENTED BY THE SECRETARY OF THE NAVY;	C07K1/04; C07K1/06;	Covalent attachment of peptides and biological molecules to luminescent semiconductor nanocrystals
US2011118441 A1 20110519	US20100423041P; US201113011881;		C07K1/113; C07K2/00;	Synthesis of highly fluorescent peptide-metallic nanoclusters as bio-probes

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US2011085939 A1 20110414	US20100892911; WO2009US53628;	IMIPLEX LLC;	C07K14/00; B05D3/02; G01N33/00; G03F7/20; B05D3/06; C12N9/02; C07K19/00; C07K14/36; B05D3/10; B05D1/36; C12N9/04; C12N9/88; C07K14/195; C12N9/96; C12N9/90; C12N9/12;	Node polypeptides for nanostructure assembly
US2011196130 A1 20110811	US20080058037P; US20090995919; WO2009US45983;	BROOKHAVEN SCIENCE ASS LLC;	C07K14/00; C07K1/113;	Controllable assembly and disassembly of nanoparticle systems via protein and dna agents
KR20110007111 A 20110121	EP20080003845;	SIGNALOMICS GMBH;	C07K14/245; G01N33/58; A61K49/14;	Optimized adhesin fragments and corresponding nanoparticles
CA2772491 A1 20110310	US20090272230P; US20100358973 P;WO2010IL0070 5;	FULCRUM S P MATERIALS LTD;	C07K14/415;	Multi-site modified sp1 polypeptides and uses thereof

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WO2011045454 A2 20110421	ES20090030845;	CALVINO GAMEZ JOSE JUAN;DOMINGUEZ VERA JOSE MANUEL;FERNANDEZ LOPEZ BELEN;GALVEZ RODRIGUEZ NATIVIDAD;TRASOBARES LLORENTE SUSANA;UNIV CADIZ;UNIV GRANADA;VALERO ROMERO ELSA;	C07K14/435; A61K49/14; A61B5/055; A61K51/08;	Multifunctional nanostructures as spect/mri bimodal diagnosis agents
US2011274617 A1 20111110	US20080118117P ;US200913130339 ;WO2009CA01729 ;	CANADA NAT RES COUNCIL;	C07K16/00; C07K16/18; G01N33/53; G01N24/08; G01N21/64; A61K51/10; A61K49/04; A61K49/16; G01N33/574; C07K16/28; A61K49/00;	Antibody-targeted carrier for contrast agents
US2011021745 A1 20110127	US20070948203P ;US20080667711; WO2008US69299;		C07K16/00; C08B37/08; C07K2/00;	Ultra-small chitosan nanoparticles useful as bioimaging agents and methods of making same

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US2011152107 A1 20110623	US20050675963P ;US20060414991; US20060782001P ;US20100878700;	UNIV ROCHESTER;	C07K16/00; G01N33/53; C12N5/04; C07K2/00; C12N1/00; C40B30/00; C12N5/07; G01N33/92; G01N33/68; C07K14/00; C07H21/00;	Drug screening via nanopore silicon filters
WO2011111253 A1 20110915	JP20100054960;	HAYASHI TAKASHI;ONODA AKIRA;UEYA YUICHI;UNIV OSAKA;	C07K2/00;	Complex of plurality of metal nanoparticles and apoproteinderived from heme protein dimer
US2011014473 A1 20110120	WO2007US02536;		C07K2/00; B05D3/00; B32B27/00;	Polymer-coated nanoparticles
US2011213046 A1 20110901	US20100713443;	UNIV KOREA RES & BUS FOUND;	C07K2/00; C07H21/00; C08F230/04; C07K1/04; C08G79/00;	Nanoparticles
US2011046345 A1 20110224	US20090233563P ;US20100855379;	GOVERNMENT OF THE US AS REPRESENTED BY THE SECRETARY OF THE NAVY;	C07K2/00; C07K1/107;	Methods for preparing linked peptide rings and peptide nanotubesobtained thereby
US2011165647 A1 20110707	GB20080001988; GB20080015949; WO2009GB50107 ;		C07K5/103; C07K14/77; C07K5/083; C07K19/00; C07K7/06; C12N9/96; C07K7/08;	Nanoparticle conjugates

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US2011182814 A1 20110728	US20080044818P ;US20090937777; WO2009US40480;		C07K7/06; A61P35/00; C12Q1/02; A61K38/08; G01N33/574; A61K49/00;	Plectin-1 targeted agents for detection and treatment of pancreatic ductal adenocarcinoma
US2011196094 A1 20110811	US20100303347P ;US201113014205	FPINNOVATIONS;	C08B15/00;	Nanocomposite biomaterials of nanocrystalline cellulose(ncc) and polylactic acid (pla)
US2011009362 A1 20110113	IN2008CH00493;I N2008CH00643;I N2008CH02503;U S20080046571P; US20080048576P ;US20080141460 P;US2009091933 1;WO2009US3539 4;	REDDYS LAB INC DR;REDDYS LAB LTD DR;	C08B30/18; A61K31/5377; A61P1/08; A61K31/724; C07D413/06;	Solubility-enhanced forms of aprepitant and pharmaceutical compositions thereof
US2011129944 A1 20110602	WO2005SG00009 ;	AGENCY SCIENCE TECH & RES;	C08B37/16; C07F9/28; G01N33/544;	Water-soluble nanocrystals and methods of preparing them
US2011082262 A1 20110407	US20090574871;		C08F110/02;	Ultra-high molecular weight polyethylene (uhmwpe)inorganicnanocomposite material and high performance fiber manufacturing method thereof

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US2011006218 A1 20110113	US20070947533P ;US20080665849; WO2008US67479;	UNIV DREXEL;	C08F120/44; C08F112/08; B29C47/00; C08G64/00; C07C11/00; C08G18/00; C08F110/02; H01B1/24; C08G65/04; C08F120/06; C07H21/00; C07K17/14; C08F110/06; C08F114/18; G01J1/58;	Nanodiamond compositions and methods of making and using thereof
US2011287262 A1 20111124	US20050751172P ;US20060610986; US20070893846; US201113198544;		C08F122/38; C08F265/10; B32B5/16; C08F8/12; A61K49/12; C07C233/36; A61K38/43; A61P43/00; C08J9/26;	Nanoparticles, nanocapsules and nanogels
US2011312098 A1 20111222	US20100346253P ;US201113111408 ;	ZYVEX PERFORMANCE MATERIALS;	C08F138/00; G01N21/59;	System and method of assessing nanotube purity
WO2011100661 A1 20110818	US20100304045P ;	GU FENG;KOCAB THOMAS;NANTERO INC;SEN RAHUL;	C08F2/08;	Methods for controlling density, porosity, and/or gap size within nanotube fabric layers and films

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EP2291414 A1 20110309	US20080060887P ;WO2009US471503 ;	3M INNOVATIVE PROPERTIES CO;	C08F2/44;	Methods of compounding nanoparticles with a resin
EP2346913 A1 20110727	US20080108584P ;WO2009US60095 ;	ARKEMA FRANCE;	C08F220/00;	Nano-structure coated sheets/films for optical electronic displays and photovoltaic modules
CN102226029 A 20111026	CN20111107993;	UNIV DONGHUA;	C08F220/54; C08L33/24; C08K3/08; A01P1/00; C08F222/38; A01N59/16; B01J31/06; C08F2/22;	Preparation method of temperature responsive nanohydrogel carrying silver nanoparticles
US7893177 B1 20110222	US20020404442P ;US20050061364; US20070930885; WO2003US26079;	UNIV IOWA RES FOUND;	C08F30/04; G01N33/547; C08F4/42;	Redox polymer nanoparticles

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US2011318421 A1 20111229	US20100398479P ;US20100398480 P;US2011131667 56;		C08F8/40; A61P35/00; B32B5/02; C07K17/14; A61K39/395; A61P39/06; C08G63/91; A61P31/00; A61P37/06; A61P17/02; B32B1/02; C08F26/10; A61K38/18; B32B1/08; A61K9/14; A61P9/08; A61P29/00;	Surface functionalized ceramic nanoparticles
WO2011095867 A1 20110811	ZA20100000813;	BSHENA OSAMA ESMAIL;KLUMPERMAN LUBERTUS;UNIV STELLENBOSCH;	C08F8/44; C08F212/08; D06M15/00; A01N25/00; C08F8/32;	Antimicrobial polymer compounds and fibres thereof
US2011128840 A1 20110602	US20070618945; US20080056477; US201113016492;	IBM;	C08G14/00; G11B5/84; G11B3/00; G11B7/26; G11B3/70; C08G8/02;	High density data storage medium, method and device
EP2283055 A1 20110216	EP20080009064;E P20090745515;W O2009EP03192;	BAYER MATERIALSCIENCE AG;	C08G18/38; C08G18/28;	Stable polyisocyanates comprising nanoparticles

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WO2011088300 A1 20110721	US20100295214P; US201113006024;	LUO XIAOFAN;MATHER PATRICK;UNIV SYRACUSE;	C08G18/83; B29C43/00;	Stimuli-responsive product
US2011160346 A1 20110630	US20060788234P; US20060789300 P;US2006081039 4P;US200608193 19P;US20070693 454;US200706958 77;US2007075727 2;US20111304008 5;	APPLIED NANOTECH HOLDINGS INC;	C08G59/16; C08K3/04; C09D163/00; C08G59/14;	Dispersion of carbon nanotubes by microfluidic process
SG174630 A1 20111028	US20030456127;	DOW GLOBAL TECHNOLOGIES INC;	C08G59/18; H05K3/00; C08G59/14; C08J9/26; B32B27/04;	Nanoporous laminates
WO2011024043 A1 20110303	IN2009CH02052; US20090639403;	INDIAN INST OF TECHNOLOGY MADRAS;NAIRAPPUKUTTAN SREEKUMARAN;PRADEEP THALAPPIL;	C08G61/00; A61K33/38; B01J23/48; B82B1/00; B01J23/38;	Organic polymer-inorganic fine particle antimicrobial composites and uses thereof
US2011257343 A1 20111020	US20070985608P; US20080038041 P;US2008010075 2P;US200801010 39P;US20080265 701;US201009531 73;		C08G63/78; C08G16/00; C08G63/91; C08G63/08;	Multifunctional degradable nanoparticles with control over size and functionalities

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US2011229416 A1 20110922	US20100299915P; US201113018102;		C08G65/333; A61P43/00; A61K49/00; C08G65/334; C08G65/335;	Amphiphilic macromolecules for solubilizing nanocrystals
CN102108123 A 20110629	CN20091200655;	SHANGHAI GENIUS ADVANCED MAT;	C08G69/18; A01P1/00; C08K9/04; H01B1/24; A01N33/12; C08K3/04;	Preparation method of nano cast nylon-6/graphite oxide (go)conductive and bacteriostatic composite material
US7923527 B1 20110412	US20090579007;	CHUNG SHAN INST OF SCIENCE;	C08G69/28;	Carbon nanotube compound and method for producing the same
WO2011162366 A1 20111229	JP20100145340;	HIGASA MASASHI;PARK JOONSIK;SOGAMEASAKO;TORAY INDUSTRIES;	C08G73/04; B82Y5/00; G01N21/64;	Water-soluble polymer and water-soluble nanoparticle composite
US2011189702 A1 20110804	US20070949070P; US20080668212; WO2008US69585;		C08G73/06; G01N33/00; G01N33/53; G01N21/00; G01J1/58;	Photoluminescent materials for multiphoton imaging
US2011237748 A1 20110929	US20100317783P; US201113023163;	CERULEAN PHARMA INC;	C08G75/02;	Methods and systems for generating nanoparticles
EP2285423 A1 20110223	WO2008CN00823;	IND TECH RES INST;	C08G77/38; A61K49/10; C08G65/48; C07F7/04;	Biocompatible polymer and magnetic nanoparticle withbiocompatibility

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WO2011034824 A1 20110324	US20090560043;	ABS MATERIALS INC;	C08G77/48; B01J20/28; B01D15/00; B01J20/26; B01D53/04; C02F1/68; C02F1/28;	Apparatus and method for remediation of aqueous solutions
WO2011100532 A1 20110818	US20100303736P ;US20100315681 P;	ABS MATERIALS INC;EDMISTON PAUL L;	C08G77/52; B82Y30/00; B01J20/32; C08G77/48; B01J20/02; B01J20/28; C02F1/28;	Sol-gel derived sorbent material containing a sorbate interactivematerial and method for using the same
AR075961 A1 20110511	EP20090156703; US20090212073P ;	OMYA DEVELOPMENT AG;	C08J3/00; D01F2/02; D21B1/30; C08J3/075; D21B1/04; D21C9/00; C08J5/00;	Proceso para la produccion de geles de celulosa nanofibrilargeles producidos y usos de los mismos
KR20110059759 A 20110603	US20080095352P ;	SUN CHEMICAL CORP;	C08J3/02; B82B3/00; B01F17/00;	Carbon nanotube dispersions
US2011140030 A1 20110616	US20030453970P ;US20040548414; US20100911010; WO2004CA00350;		C08J3/05; C08G83/00; C08K3/22; C08K9/10;	Method of producing hybrid polymer-inorganic materials
KR101040861B B1 20110614	KR20100108421;	KYUNGPOOK NAT UNIV IND ACAD;	C08J3/075; C08K3/08; C08L33/06; A01N59/16;	Hydrogel microparticle containing antibacterial nano silverparticles and manufacturing method thereof

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EP2344571 A1 20110720	WO2008US79857;	EXXONMOBIL CHEM PATENTS INC;	C08J3/12; C08J5/00; B60C1/00; C08L23/28; C08K3/34; C08J3/215;	Polymer-clay nanocomposite and process for preparing same
EP2313458 A1 20110427	US20080081909P; WO2009US50829;	DOW GLOBAL TECHNOLOGIES LLC;	C08J3/20;	Process of making polymer nanocomposites
TW201118116 A 20110601	TW20090140516; TW20100140935;	IND TECH RES INST;	C08J3/20; B01F3/12;	Organic/inorganic hybrid material and fabrication method thereof
AU2010212940 A1 20110811	EP20090152703; WO2010EP51457;	BASF SE;	C08J3/205; C08J5/18; C08J5/00; A01G9/14; C08J3/22;	Polymer compositions containing nanoparticulate ir absorbers
ES2362422T T3 20110705	EP20020405964;	ADVANCED POLYMERIK PTY LTD;	C08J3/22; C08K9/04; C08L23/08; C09C3/08; C09C1/42; C08K3/34; C08K7/00; C01B33/44; C09C1/40; C09C3/00; C08L23/02; C09C3/10;	Proceso para la preparacion de nanocompuestos de poliolefina.
US2011262729 A1 20111027	US20100312563P; US201113044706;	UNIV FLORIDA STATE RES FOUND;	C08J3/28; B32B3/26;	Functionalization of nanoscale fibers and functionalized nanoscale fiber films

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WO2011113473 A1 20110922	WO2010EP53313;	BOGDANOV BOGDAN;CUYPERS STEVEN;ORFIT IND;	C08J5/00; A61F13/04;	Immobilization device
EP2300219 A1 20110330	FI20080005570;W O2009FI50492;	EAGLE TUULIVOIMA OY;	C08J5/00; B29C70/46;	A method to produce engineered composite articles comprising epoxy and carbon nano tubes
ES2369509T T3 20111201	DE200710029008;	BAYER MATERIALSCIENCE AG;	C08J5/00; C08J3/20; B29C47/00;	Procedimiento para la preparacion de un material compuesto polimericoconductor.
KR20110057254 A 20110531	FR20080057173;F R20090051843;U S20090235471P;	ARKEMA FRANCE;	C08J5/00; C08K3/04; C08L77/00; C08J3/22;	Method for preparing a thermoplastic composite material containing nanotubes, particularly carbon nanotubes
WO2011008511 A1 20110120	US20090221139P ;	BARNEY NATHANIEL A;DU PONT;MOLITOR MICHAEL JOSEPH;WEINBERG MARK GARY;	C08J5/00; C08K3/34;	Process for the production of polyester nanocomposites and shaped articles made thereof
CA2775221 A1 20110331	US20090245776P ;US20100888891; WO2010US50121;	EATON CORP;	C08J5/00; C08K3/34;	Nanocomposite composition and system
CN101977997 A 20110216	FR20080001593; WO2009EP53377;	RHODIA OPERATIONS;	C08J5/00; C08K3/34; C08L77/06; C08L77/00; C08K7/00; C08L61/06;	Polyamide composition
EP2307487 A1 20110413	FR20080055311; WO2009EP59901;	COMMISSARIAT ENERGIE ATOMIQUE;	C08J5/00; C08K9/08; C08K9/10; C08J3/075;	Gelled and freeze-dried capsules or agglomerates of nano-objects or nanostructures, nanocomposite materials with a polymer matrix containing same, and methods for preparing same
ES2358382T T3 20110510	DE200710040927;	BAYER MATERIALSCIENCE AG;	C08J5/00; C08L69/00;	Procedimiento para la preparacion de composiciones de policarbonato modificadas respecto a la resistencia cargadas.

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EP2287237 A1 20110223	EP20050253157;JP P20040153428;	NISSIN KOGYO KK;	C08J5/04; C08J5/00; C08K3/04; C08K7/24; B22D19/00; B22D19/14; C08K7/06; C22C47/00; C08K3/08; C22C47/02; C08L101/00; C22C47/08; C22C49/14;	Carbon fiber composite material and method of producing the same, carbon fiber-metal composite material and method of producing the same, and carbon fiber-nonmetal composite material and method of producing the same
EP2303775 A2 20110406	HU20080000401; WO2009HU00053 ;	PANNON EGYETEM;SZEDEDI TUDOMANYEGYETEM;	C08J5/04; C08K7/24; C01B31/02;	Carbon nanocomposite additive and its use as adjuvant for polymer materials
WO2011108461 A1 20110909	JP20100049565;	LIN LIANZHEN;MAGARATAKASHI;OGU NI KOHEI;OLYMPUS CORP;SHIGA NAOHITO;SHIRAMIZU KOHEI;	C08J5/06; C08K7/02; C08B1/00; C08L1/00; C08B3/00; D01F2/00; C08B11/00; C08L101/00; C08B3/06;	Cellulose nanofibers, method for producing same, composite resin composition and molded body
AR075002 A1 20110302	AR2010P100044;	TECN CONICET CONSEJO NAC DE INVESTIGACIONES CIENTIFICAS Y;	C08J5/18; C08L3/02;	Un material biodegradable biocompatible y no toxico laminas compuestas por dicho material y su utilizacion en productos alimenticios farmaceuticos cosmeticos y de limpieza

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US2011244371 A1 20111006	KR20030044540;	SAMSUNG SDI CO LTD;	C08J5/22; H01M4/38; H01M8/10; H01M4/88; H01M2/14; C08J9/00; H01M4/90; H01M8/02; H01M4/92; H01M4/86;	Microporous thin film comprising nanoparticles, method of forming the same, and fuel cell comprising the same
CA2775577 A1 20110407	US20090247819P ;WO2010US51073 ;	UNIV HOUSTON SYSTEM;	C08J7/04; C08L75/02; C08K3/00; C08K9/04; B82B3/00;	Organoclay-polyurea nanocomposites
WO2011009550 A1 20110127	EP20090009473;	BAYER MATERIALSCIENCE AG;DERN GESA;FUSSANGEL CHRISTEL;VOGEL STEPHANIE;	C08J7/06; B05D7/02; C08K3/04;	Method for the introduction of carbon particles into a polycarbonatecoating
KR20110020303 A 20110302	EP20080012948;	GORE W L & ASS GMBH;	C08J7/16; C08J7/04; C09D127/12; C08L27/12;	Substrate coating comprinsing a complex of an ionic fluoropolymer andsurface charged nanoparticles
WO2011047797 A1 20110428	DE200910050439;	BUSCH DETLEF;KLEIN DOMINIC;SCHMITZ BERTRAM;TREOFAN GERMANY GMBH & CO KG;	C08J9/00; B01D67/00; B29C55/12; H01M2/16; C08J5/18; C08J3/20; C08J3/205; C07C51/41; B01D71/16; C08K5/098;	Nanoscale ss-nucleating agent for polypropylene

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EP2303956 A1 20110406	DE200810030904; WO2009EP56612;	SIEMENS AG;	C08K3/00;	Composite comprising nanosize powder and use of the composite
MY143959 A 20110729	GB20020029810;	VANTICO GMBH;	C08K3/00; C08K3/04; C08K3/34;	Flame retardant polymer compositions
CN102076748 A 20110525	DE200810021006; WO2009EP02217;	BYK CHEMIE GMBH;	C08K3/00; C09C1/00;	Particulate wax composites and method for the production thereof and the use thereof
US2011133133 A1 20110609	US20040605769P; US20050218209; US20070841596; US201113023095;	HYPERION CATALYSIS INT;	C08K3/04;	Thermosets containing carbon nanotubes by extrusion
US2011184115 A1 20110728	EP20070114921; WO2008EP61058;	TOTAL PETROCHEMICALS RES FELUY;	C08K3/04;	Reinforced and conductive resin compositions comprising polyolefins and poly(hydroxy carboxylic acid)
KR20110061164 A 20110609	KR20090117722;	LG DISPLAY CO LTD;	C08K3/04; B82B1/00;	Carbon nano tube dispersion liquid, manufacturing method of thin layer and display panel of the same
CN102250439 A 20111123	KR20100046591;	SAMSUNG ELECTRONICS CO LTD;	C08K3/04; C08L33/02; C08K7/00; G02F1/1343; B32B9/00; G02F1/1333; B82Y30/00;	Cnt composition, cnt layer structure, liquid crystal display device, method of preparing cnt layer structure, and method of preparing liquid crystal display device
US2011192319 A1 20110811	US20060644019; US20100306053P; US201113032045;	USA AS REPRESENTED BY THE ADMINISTRATOR OF THE NAT AERONAUTICS AND SPACE ADMINI;	C08K3/04; C08L89/00; C08G73/10; C08L79/08;	Nanotubular toughening inclusions

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ES2362541T T3 20110707	US20060852771P ;	NANOCYL S A;	C08K3/04; C09D5/16; C09D183/02; C08K7/06; C08K3/34; C08K7/04; C08K7/10;	Utilizacion de una composicion como revestimiento para evitar el bioensuciamiento marino y desprender la suciedad marina.
US2011152427 A1 20110623	US19970049077P ;US19970069935 P;US1998007922 5P;US199800838 93;US2001079003 6;US20030435222 ;US20080081115; US201113036851;		C08K3/08; C08K3/00; C08K3/10; C08K3/22; C08L33/12;	Nanocomposites
CN102165960 A 20110831	CN20101564217;	UNIV NANKAI;	C08K3/08; C09J11/04; C08F226/06; C08F220/06; C08F220/14; C23C18/44; C09D5/14; C08F212/08; D01F1/10; C08F226/10; A01P1/00; C08F212/36; A01N59/16; C09D7/12;	Preparation method of nano silver antibacterial mother liquor through two-step polymerization

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US2011218286 A1 20110908	US20040577539P ;US20050146083; US201113105947;	PPG IND OHIO INC;	C08K3/10; C08K3/38; C08K3/34; C08K3/08;	Molybdenum comprising nanomaterials and relatednanotechnology
US2011130495 A1 20110602	TW20090140515; TW20100140710;	IND TECH RES INST;	C08K3/20;	Organic/inorganic hybrid material and fabrication method thereof
AU2010206906 A1 20110728	US20090145798P ;US20100295394 P;US2010069032 5;WO2010US2147 7;	PPG IND OHIO INC;	C08K3/22;	Transparent, colorless infrared radiation absorbing compositionscomprising non-stoichiometric tungsten oxide nanoparticles
US2011196062 A1 20110811	US20080105488P ;US200913123749 ;WO2009US60104 ;		C08K3/22; A61K6/083; A61Q11/00;	Fillers and composite materials with zirconia and silicananoparticles
CN102174246 A 20110907	US20040618471P ;US20050240573; US20050665026P ;	AIR PROD & CHEM;	C08K3/22; C08L65/00; C08K3/04; C08L27/18; C08K3/08;	Aqueous dispersions of polythienothiophenes with fluorinated ionexchange polymers as dopants
US2011237730 A1 20110929	DE200610026965; US20080315483; US201113134247; WO2007EP55506;		C08K3/26;	Composites of inorganic and/or organic microparticles andnano-calcium carbonate particles
US2011034588 A1 20110210	FR20070059808; WO2008FR52251;		C08K3/26; C08K3/34; C08K3/30; C08J3/22; C08K3/22;	Method of preparing a transparent polumer material comprising athermoplastic polycarbonate and minderal nanoparticles

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WO2011004053 A1 20110113	ES20090030434;	CONSEJO SUPERIOR INVESTIGACION;GOMEZ RODRIGUEZ MARIA DE LOS ANGELES;JIMENEZ GUERRERO IGNACIO;NAFFAKH CHERRADI- HADI MOHAMMED;	C08K3/30; C08L77/00;	Nanocomposite inorganic fullerene and polyamide materials with enhanced thermal, tribological, and mechanical-dynamic properties, and use thereof as coatings
US2011027599 A1 20110203	US20050660428P ;US20060364885;		C08K3/32; C08K3/22; C08L33/26; C08K3/34; B32B27/08; B05D3/00;	Nanocomposite membranes and methods of making and using same
US2011166281 A1 20110707	US20080076363P ;US20080272136; US201113043565;		C08K3/34;	Nanocomposite comprising exfoliated nanoclay- styrenic concentrate and methods of preparation
US2011288223 A1 20111124	US20100297512P ;US201113010522 ;		C08K3/34; B29C43/26;	Supercritical carbon-dioxide processed biodegradable polymer nanocomposites
EP2363276 A2 20110907	AU20030900292; AU20030901342; AU20030901952; EP20040702613;E P20090013816;	JACOBS IAN ORDE MICHAEL;	C08K3/34; B29C45/00; C08J5/00; B29D23/20; C08K3/10; B29C71/02; C08L101/12; B29C45/72; C08K9/04; C08K3/00;	Methods for forming articles having improved environmental stress crack resistance

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MX2010014346 A 20110503	ES20080001902;E S20090030353;W O2009IB53929;	NANOBIOMATTERS S L;	C08K3/34; C08K3/00; C08J7/00; C08K3/22; C08K11/00;	Active nanocomposite materials and production method thereof.
JP2011137170 A 20110714	KR20030004555;	SAMSUNG ATOFINA CO LTD;	C08K3/34; C08L23/26; C08L51/00; C08L23/10; C08K7/00; C08K3/30; C08L51/06; C08L23/16; C08L23/12; C08L53/00;	Sound-absorbing polypropylene resin composition containingnanoclay
US2011152426 A1 20110623	EP20070106231; US20090450811; US201113034481; WO2008EP54264;	ALTANA ELEC INSULATION GMBH;	C08K3/38; C08L79/08; C08L67/00; C08L75/04; C08K3/22;	Nano-modified wire enamels and enamelled wires thereof
US2011021687 A1 20110127	EP20080152904; WO2009EP53166;	BASF SE;	C08K3/40; C08K3/36;	Polyamide nanocomposites with hyper-branched polyethyleneimines
US2011269891 A1 20111103	US20100329570P ;US201113097683 ;	BASF SE;	C08K3/40; C08L77/02;	Long-fiber-reinforced polyamides with polyolefins

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US2011031443 A1 20110210	KR20060099942; US20070878064; US20100923925;		C08K5/07; C08K5/151; C08K5/1515; H01B1/12; C08K5/1539; B29C39/00; B29C45/00; B29C47/00;	Multicomponent carbon nanotube-polymer complex, composition forming the same, and preparation method thereof
US2011201738 A1 20110818	US20100658886;		C08K5/13; C08K3/32; C08K3/34;	Polyolefin nanocomposites
US2011237714 A1 20110929	KR20050093352; US20060352137; US201113155764;	SAMSUNG ELECTRONICS CO LTD;	C08K5/1545; C08K3/04; C08L41/00;	Dispersant for carbon nanotube and composition comprising the same
CN102250403 A 20111123	CN20111176260;	UNIV SHANGHAI ENG SCIENCE;	C08K5/20; C08K13/06; A01G13/02; C08L23/12; C08K3/26; C08K9/10; C08K3/22; C08L23/06;	Multifunctional agricultural thin film and preparation method thereof
US2011009541 A1 20110113	US20050317963; US20080266984; US20100887354;	BOSTON SCIENT SCIMED INC;	C08K5/5415;	Nanoparticle precursor structures, nanoparticle structures, and composite materials
WO2011003634 A1 20110113	DE200910033267;	HAMMER THOMAS; HEINRICHSDORFF FRANK; KRUEGER URSUS; LUETHEN VOLKMAR; REZNIK DANIEL; SIEMENS AG;	C08K7/04; C08K3/04; C08K7/24; H01B3/52; C08L1/02; C08K3/38; H01B3/54;	Nanocomposite comprising boron nitride nanotubes

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KR20110130480 A 20111205	FR20090051842; US20090235466P	ARKEMA FRANCE;	C08K7/22; C08L101/00; C08L67/06; C08K3/04;	Method for preparing a thermosetting composite material with a highnanotube content
US2011087262 A1 20110414	US20020046452; US20060327060; US20080968610; US20100973705;	MICRUS DESIGN TECHNOLOGY INC;	C08K7/24; A61M29/02; A61L29/12;	Method for making a reinforced balloon with composite materials
EP2285874 A1 20110223	DE200810001946; WO2009EP56165;	BAYER MATERIALSCIENCE AG; LANXESS DEUTSCHLAND GMBH; RHEIN CHEMIE RHEINAU GMBH;	C08K7/24; C08J5/00;	Carbon nanotubes and organic media containing microgels
ES2350315T T3 20110121	EP20050425714;	FIBRE E TESSUTI SPECIALI S P A;	C08K7/24; C08K3/04; C01B31/02; B01J31/28; B01J31/06;	Sintesis de nanotubos y/o nanofibras de carbono en un sustrato de polímero.
KR20110134910 A 20111215	DE200910012674;	BAYER MATERIALSCIENCE AG;	C08K7/24; C08K3/04; C08L75/06; H01B1/24;	Polyurethane compounds having carbon nanotubes
EP2305747 A1 20110406	ES20080002035; WO2009ES70277;	NANOBIOMATTERS S L;	C08K7/26; C08J5/00; C01B33/44; C08K3/34; C08K9/06;	Polymeric matrix nanocomposite materials having improved mechanical and barrier properties and procedure for preparing same

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EP2391657 A1 20111207	DE200910006942; DE200910010421; DE200910010670; WO2010DE00095;	UNIV MARBURG PHILIPPS;	C08K9/00; C08F6/12; C08K13/00; C08F20/18; G01N21/55; C08F12/08; C08F8/34;	Method for producing metal-containing nanoparticles enveloped with polymers and particles that can be obtained therefrom
US2011034585 A1 20110210	FR20070059810; WO2008EP67076;		C08K9/04;	Method of preparing a transparent polymer material comprising a thermoplastic polycarbonate and surface-modified mineral nanoparticles
EP2350183 A1 20110803	GB20080020101; US20080111093P ;WO2009GB0260 5;	NANOCO TECHNOLOGIES LTD;	C08K9/04; C09C1/04; C09C3/08; C09C1/14; C09C1/10; C09C1/40;	Surface functionalised nanoparticles
WO2011095208 A1 20110811	WO2010EP51298;	ABB RESEARCH LTD;CARLEN MARTIN;GREUTER FELIX;KORNMANN XAVIER;KRIVDA ANDREJ;SCHMIDT LARS E;	C08K9/06; H01B3/40; H01B3/30;	Electrical insulation system
US2011021671 A1 20110127	JP20080029042; WO2009JP52024;	UNIV TOKYO;	C08L1/02;	Composite material comprising regenerated cellulose and synthetic polymer as solid components and process for production of the material
WO2011037435 A2 20110331	KR20090092036; KR20090092039;	CHUNG BONG HYUN;EUM NYEON SIK;KOREA RES INST OF BIOSCIENCE;	C08L101/00; C08K7/16; B01D46/00; G03F7/004; B01D35/00; B82B3/00; B81C1/00;	Composition for forming a pattern for a nano-/microfluidic channel, and apparatus for forming a pattern using same

Número de Publicação	Prioridade	Depositantes	Classificação	Título
WO2011117719 A1 20110929	US20100317002P ;	ANDERSON DARREN J;LI FUGANG;PHAM HUNG;VIVE NANO INC;	C08L101/00; C08L5/00; C08J3/20; C08J3/24; C08J3/12;	Methods to formulate neutral organic compounds with polymernanoparticles
CN102099288 A 20110615	JP20080187742; WO2009JP62790;	SUN ESU RUBBER INDUSTRY INC;UNIV HOKKAIDO NAT UNIV CORP;	C08L21/00; C08K9/02; C01B31/02;	Carbon nanoprecursor, method for producing the same, carbonnanocomposite and method for producing the same
US2011263776 A1 20111027	EP20070114924; WO2008EP61059;	TOTAL PETROCHEMICALS RES FELUY;	C08L23/00; C08L23/06; C08L23/12; C08K3/34;	Resin compositions comprising polyolefins, poly(hydroxy carboxylicacid) and nanoclays
US2011251343 A1 20111013	BR2007PI05815; WO2008BR00106;	BRASKEM SA;	C08L23/06; C08F2/44; C08L23/12; C08K3/34;	Process for polymerization in the presence of nanoparticles of amineral filler for the attainment of polymer nanocomposites, and a polymer nanocomposite
US2011301282 A1 20111208	US20100351167P ;US201113151932 ;		C08L23/06; C08L23/12;	Black colored master batch carbon nanotube and method ofmanufacture thereof
US2011319516 A1 20111229	US20080111509P ;US20090612527; US201113226635;	MOLECULAR IMPRINTS INC;	C08L23/24; C07C69/708; C07D403/12; C07C69/63; C07F5/02; C07C235/06; C07C43/13;	Release agent partition control in imprint lithography

Número de Publicação	Prioridade	Depositantes	Classificação	Título
EP2313256 A1 20110427	EP20080164837;E P20090789937;U S20080188854;W O2009US48486;	EXXONMOBIL CHEM PATENTS INC;	C08L23/28; C01B31/04; C08J5/00; B29D30/00; B29D22/00; C01B31/02; C08L23/18; C08L23/22; C08K7/06; C08L23/20;	Graphite nanocomposites
CN102140185 A 20110803	CN20101117361;	RUIDE YU;	C08L3/02; A01G13/02; C08K5/523; C08L3/04; C08K5/098; C08K13/02; C08K5/09; C08K3/22; C08L67/04; C08K3/26;	Biodegradable mulching film and preparation method thereof
US2011086949 A1 20110414	FR20080053952; WO2009FR51112;	ROQUETTE FRERES;	C08L3/02; C08L3/06; C08L3/10; C08L3/04;	Starch-containing thermoplastic or elastomer compositions, and methodfor preparing such compositions
US2011040031 A1 20110217	EP20080007582; WO2009EP02854;	NANORESINS AG;	C08L31/02;	Inorganic nanoparticles and polymer composite produced therefrom

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MX2011002915 A 20110421	US20080100068P; US20090158483 P; WO2009IB06947;	VIVE NANO INC;	C08L33/02; C08J3/14; C08L39/02; A01N25/10; C08K5/00; C08J3/24; C08L25/18;	Methods to produce polymer nanoparticles and formulations of active ingredients.
CN101977839 A 20110216	US20080053006; WO2009US35804;	MICRON TECHNOLOGY INC;	C08L53/00; B81C1/00;	Methods of improving long range order in self-assembly of blockcopolymer films with ionic liquids
EP2275487 A2 20110119	EP20050748178;F R20040005120;	ARKEMA FRANCE;CENTRE NAT RECH SCIENT;	C08L53/00; C08F293/00; C08L33/08; C08F220/18; C08J5/00; C08F220/06; C08K7/24; C08K3/04; C09D5/26; C09D5/24; C09D7/12;	Composite materials based on carbon nanotubes and polymer matrices and processes for obtaining same
US2011256403 A1 20111020	US20040791049;	BRIDGESTONE CORP;	C08L53/02;	Method of making nano-particles of selected size distribution
CN101970550 A 20110209	EP20070301580; WO2008CA02052;	CENTRE NAT RECH SCIENT;ECOLE NALE SUP ARTES METIERS;NANOLEDGE INC;	C08L57/00; C09C1/44; C08K3/04; C08J5/04; C08K7/24; C08F292/00;	Polymer carbon nanotube composites
US2011152435 A1 20110623	JP20080244598; WO2009JP66860;	TOYOTA CHUO KENKYUSHO KK;	C08L63/00;	Resin composition

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CN101977985 A 20110216	US20080037758P ;WO2009US37461 ;	DU PONT;	C08L65/00; H01L51/52; H01L51/50; C08L25/18; H01B1/12; C08L27/12;	Electrically conductive polymer compositions and films made therefrom
US2011065835 A1 20110317	JP20080121597; WO2009JP56139;	IDEMITSU KOSAN CO;	C08L69/00;	Aromatic polycarbonate resin composition and molded body thereof
US2011054107 A1 20110303	JP20070181907; WO2008JP62069;	IDEMITSU KOSAN CO;	C08L69/00;	Flame-retardant polycarbonate resin composition and molded articlethereof
EP2364333 A1 20110914	FR20080058331; WO2009FR52320;	ESSILOR INT;RENAULT SA;SOLVAY;	C08L69/00; C08J3/20; C08J5/00;	Method for preparing a transparent polymer material including mineralnanoparticles with a shape factor strictly higher than 1.0
CN102120895 A 20110713	JP20050026126;	OTSUKA CHEMICAL CO LTD;	C08L69/00; C08L101/00; C09C1/28; C09C3/06; C09C1/36; C08K9/02;	Carbon nanotube-loaded inorganic particle
US2011044933 A1 20110224	EP20080153931; WO2009EP02131;	BAYER MATERIALSCIENCE AG;	C08L75/02; C08G71/02; A61K8/88;	Particles, obtained by drying an aqueous nanourea dispersion
WO2011081485 A2 20110707	KR20090135292; KR20100066322;	KIM JIMUN;KIM WOO-NYON;LEE YUNKYUN;UNIV KOREA RES & BUS FOUND;	C08L75/04; C08J9/06; C08K3/04; C08G18/48;	Polyurethane foam-carbon nanotube composite, and preparation method thereof
WO2011009798 A1 20110127	EP20090166033;	BASF SE;CHAROENSIRISOMBOON PIYADA;JAIN SACHIN;MUELLERMATTHIAS;SCH MIDT CHRISTIAN;WEBER MARTIN;	C08L77/00; C08K9/06; C08K3/36;	Nanocomposite blend based on polyamides and polyarylene ethersulfones

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US2011251331 A1 20111013	US20070946517P ;US20080665984; WO2008IB53504;		C08L77/00; C08L27/16; C08K3/04; C08L23/12;	Use of nanotubes, especially carbon nanotubes, to improve the high temperature mechanical properties of a polymeric matrix
CN101959949 A 20110126	US20080019699P ;WO2009US300753	3M INNOVATIVE PROPERTIES CO;	C08L77/02; C08K3/22; C08J5/18; C08K7/18;	Nanoparticle dispersion, compositions containing the same, and articles made therefrom
US2011103854 A1 20110505	US20090610513;	XEROX CORP;	C08L83/04; H01B1/12; G03G15/20; B32B5/16; B32B9/00; C08K3/36; C08L27/12; C08K3/22; C08K3/04; C08K3/08; C08K3/28; C08L27/18; C08K3/34;	Hyper nanocomposites (hnc) for fusor materials
US2011178224 A1 20110721	US20090260538P ;US20100945043;	UNIV PRINCETON;	C08L83/07; C08K3/04;	Multifunctional graphene-silicone elastomer nanocomposite, method of making the same, and uses thereof
WO2011054787 A1 20110512	EP20090175371;	BASF SE; BREZESINSKI TORSTEN; HAETGE JAN; ROEGER- GOEPFERT CORNELIA; SALLARD SEBASTIEN; SEEGER ALEXANDRA; SMARSLY BERND; TRAUT ALEXANDER; WEIDMANN CHRISTOPH; ZIEBA ROMAN;	C08L87/00; C08J3/20;	Process for preparing mesoporous materials

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US2011256401 A1 20111020	US20070898884P; US20080012236; US201113172132;		C08L97/02; D02G3/00; C01B31/04; C21C5/00;	Process for producing carbon nanotubes and carbonnanotubes produced thereby
KR20110049824 A 20110512	JP20090105174;J P20090105175;JP 20090204633;JP2 0090246485;	DAINIPPON INK & CHEMICALS;	C09B47/04; C09B47/24; B82B1/00; B82B3/00;	Phthalocyanine nanowires, ink composition and electronic elementeach containing same, and method for producing phthalocyanine nanowires
US7883685 B1 20110208	US20060490248; US20100788486;	IBM;	C09B5/00; B01J19/08; H01L51/40; D21H21/16; C07F9/547; C01B31/02; D01F9/12;	Complexes of carbon nanotubes and fullerenes withmolecular-clips and use thereof
EP2315627 A1 20110504	EP20080162455;E P20090781680;W O2009EP60354;	BASF SE;	C09B67/00; B01D7/02; B01J2/04;	Process for producing nanoscale organic solid particles
US2011015054 A1 20110120	JP20070179098;J P20070179101;JP 20070180349;JP2 0070203850;WO2 008JP62235;	M TECH CO LTD;	C09C1/00; B01F3/12;	Method for producing ceramic nanoparticles
ES2355398T T3 20110325	US20040783060;	UNIV WAYNE STATE;	C09C1/00; C09C1/28; C09C1/42; C09C3/10; C09C3/12;	Procedimiento de deslaminacion de particulas agregadas con un agente de recubrimiento en un fluido supercritico.
ES2361247T T3 20110615	DE20021054567;	CT FUER ANGEWANDTE NANOTECHNOLOGIE CAN GMBH;	C09C1/02; C01F5/40; C01F11/46;	Procedimiento para la preparacion de nanoparticulas de sulfatoalcalinoterreo.

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WO2011076203 A1 20110630	DE200910059276;	MAIER GEORG;NUSKO ROBERT;RENT A SCIENTIST GMBH;	C09C1/30; A01N59/16; B82Y30/00;	Formulation comprising metal nanoparticles
EP2294014 A2 20110316	TR20080003064; WO2009EP54847;	ARCELIK AS;DYO BOYA FABRIKALARI SANAYI VE TICARET ANONIM SIRKETI;	C09C1/36; C01G23/047; B01J35/00;	A photocatalytic nanocomposite material
EP2367762 A1 20110928	DE200810062969; EP20090161600;E P20090793540;W O2009EP67574;	FRAUNHOFER GES FORSCHUNG;	C09C1/36; C01G23/053; H01L41/09;	Nanoparticulate titanium dioxide particles with a crystallinecore, a metal-oxide shell and an outer skin containing organic groups, and method for the manufacture thereof
PT1926685E E 20111220	DE200510039435;	CLARIANT FINANCE BVI LTD;	C09C1/40; C09C3/04; C01F7/02; C09C3/12;	Method for producing a silane modified surface nano-corundum
US2011039184 A1 20110217	KR20040088218; US20050262812; US20100911352;	SAMSUNG SDI CO LTD;	C09C1/44;	Carbon nanosphere with at least one opening, method for preparing the same, carbon nanosphere-impregnated catalyst using the carbon nanosphere, and fuel cell using the catalyst
US2011112234 A1 20110512	EP20080158889; WO2009EP57130;	BASF SE;	C09C1/44; C08K3/04;	Pigment mixtures
WO2011143777 A1 20111124	CA20102712051; US20100346361P ;	CHEN WEIXING;CUI XINWEI;UNIV ALBERTA;	C09C1/44; C25D5/54; H01B1/04; B82Y30/00; H01G4/33; H01G9/155; C30B31/04;	Production of decorated carbon nanotubes

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EP2274123 A2 20110119	EP20080152996;E P20090722099;W O2009EP53114;	BASF SE;	C09C1/62; C01G5/00; C01G3/00; B22F9/24; C01G55/00; C01G29/00; C01G9/00; C01G7/00;	Metallic nanoparticles stabilised with derivatisedpolyethylenimines or polyvinylamines
CN101959972 A 20110126	US20080018899P ;WO2008EP67591 ;	SPARKXIS B V;	C09C3/12; C09C1/04; C09C1/36; C09C3/10; C09C1/24; C09C1/30;	Surface modification of metal oxide nanoparticles
US2011088593 A1 20110421	US20100977096;		C09D1/00;	Silver dz nano-fluid composition for nano-fin formationand a method of producing the same
WO2011100023 A1 20110818	US20100303286P ;	BREENCRAIG;KAMPLAIN JUSTIN;QD VISION INC;SONG INJA;STECKEL JONATHAN S;WANG CHUNMING;ZHU ZHENGGUO;	C09D1/00;	Semiconductor nanocrystals and methods of preparation
US2011163656 A1 20110707	JP20040337620;J P20050307394;U S20050282614;U S201113064181;	NISSIN KOGYO KK;	C09D109/06; C09D107/00; H01J1/30; C09D109/00; B32B25/02;	Method of manufacturing thin film, substrate having thin film,electron emission material, method of manufacturing electron emission material, and electron emission device
US2011232523 A1 20110929	KR20100027390;	SAMSUNG ELECTRO MECH;	C09D11/00; B22F9/16;	Method for producing metal nanoparticles, ink composition usingthe same, and method for producing the same
US2011024159 A1 20110203	US20090175745P ;US20100773734; US20100908730;	CAMBRIOS TECHNOLOGIES CORP;	C09D11/00; H01B5/00;	Reliable and durable conductive films comprising metalnanostructures

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EP2285889 A1 20110223	US20080137121; WO2008US07372;	UNIV MICHIGAN OFFICE OF TECHNOLOGY TRANSFER;	C09D11/02; C08J3/205; C08K9/04; D01D5/34; C08J3/20; C09D11/00; D01F1/06; B05B5/00; D01D5/32; C08J3/00; C08J3/12; C08K3/34; D01D5/00;	Multiphasic nano-components comprising colorants
US2011166289 A1 20110707	US20020429695P ;US20050536323; US201113050361; WO2003US37635;	PPG IND OHIO INC;	C09D11/02; C09D11/00;	Nano-engineered inks, methods for their manufacture and their applications
US2011318551 A1 20111229	JP20100145068;		C09D11/10; B41J2/175; B32B3/10;	Inkjet recording ink, process for producing the inkjet recording ink, inkjet cartridge, inkjet recording apparatus, and inkjet recorded image
CN101970019 A 20110209	WO2007SG00407 ;	ANTIBAC LAB PTE LTD;	C09D183/08; A01N59/16; A61L9/01;	An antimicrobial porous substrate and a method of making and using the same
EP2280053 A1 20110202	JP20080088945; WO2009JP56060;	JAPANSCIENCE & TECH AGENCY; NAT UNIVERSITY CORP NARA INST OF SCIENCE AND TECHNOLOGY;	C09D201/00; C09K11/56; C07K14/47; C09D5/22; H01L29/06; C09K11/08; C09D7/12; G02F1/01;	Circularly polarized light-emitting nanoparticle

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KR20110049923 A 20110512	US20020387919P	CIMA NANO TECH ISRAEL LTD;	C09D201/00; C23C30/00; C09D5/38; B82B3/00; C09D175/02; C09D101/10; C09D7/12; C09D11/00; C09D5/24; C23C24/08; H01B1/22; H01B1/20;	A method for the production of conductive and transparent nano-coatings and nano-inks and nano-powder coatings and inks produced thereby
EP2338940 A1 20110629	EP20090380197;	SILICALIA S L;	C09D5/00;	Composition for coating
EP2288577 A1 20110302	EP20080157495;E P20090757507;W O2009EP56724;	BASF SE;	C09D5/02; C01G23/053; C08K3/22; C09C1/36;	Titanium dioxide composition comprising titanium dioxidenanoparticles, and preparation and use thereof
US2011306699 A1 20111215	US20080138001P ;US201113162454 ;WO2009US68320	UNIV TEXAS;	C09D5/14;	In situ formation of nanoparticles in resins
KR20110136104 A 20111221	KR20100055898;	DREAM TRADE CO LTD;	C09D5/14; A45D20/04; A01N31/14; A01N65/00;	Self-sterilizable hairdressing utensil and manufacturing method thereof
WO2011118908 A2 20110929	KR20100025750;	JEONG HUIROK;KIM JONGSUN;KIM YEONGMOK;LEE MYEONGSUK;NAM GIU;NGETECH CO LTD;	C09D5/14; C09D165/02; A01N59/16;	Functional coating agent using nanometal and polyphenol

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KR20110135613 A 20111219	KR20100055441;	KANG JEONG AH;LEE JAE HAK;LEE SEONG GI;LEE SUNG NAM;	C09D5/14; C09D177/00; C09D109/06; A01N59/16;	Proof paint
WO2011037657 A1 20110331	US20090564695;	ABE MASANORI;EMPIRE TECHNOLOGY DEV LLC;HANDA HIROSHI;UEDA TOMOAKI;	C09D5/23; A01N59/16;	Applications of alternating magnetic fields on magneticnanoparticles
ES2359960T T3 20110530	FR20020002470;	RHODIA ELECT & CATALYSIS;	C09D5/32; C09D7/12; C08K3/22;	Utilizacion de un sol organico de cerio en las pinturas,particularmente los lasures y barnices.
EP2360220 A1 20110824	WO2008JP70692;	SUMITOMO METAL MINING CO;	C09D5/32; C09K3/00; C09C3/12; C09D201/00; C09D7/12; C03C14/00;	Infrared blocking particle, method for producing the same, infraredblocking particle dispersion using the same, and infrared blocking base
EP2346952 A1 20110727	EP20080168048;E P20080168050;EP 20090741319;WO 2009EP64407;	DSM IP ASSETS BV;	C09D7/12; C09C1/30; C09D5/16; C09C3/10;	Antifouling coating composition comprising functionalizednanoparticules
US2011046252 A1 20110224	DE200810020135; WO2009EP02663;		C09J167/00; C08L67/00; C09D167/00; C08J9/00;	Reaction resin based on an unsaturated polyester, vinyl compounds andhydrocarbon nanotubes that can be cured radically
US2011140046 A1 20110616	US20080136108P ;US200913058239 ;WO2009CA01127 ;		C09K11/02;	Colloidal nanocrystal ensembles with narrow linewidth band gapphotoluminescence and methods of synthesizing colloidal semiconductor nanocrystals

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US2011210282 A1 20110901	US20100314678P; US20100338413 P; US20110932221;		C09K11/02; H01B1/22; H01F1/01; H01B1/24; C09K15/02; H01B1/00;	Utilizing nanoscale materials as dispersants, surfactants or stabilizing molecules, methods of making the same, and products produced therefrom
EP2298849 A1 20110323	EP20090007220;	SONY CORP;	C09K11/02; H01L51/44; F21K2/00; C09K11/06; H01S3/16;	Polymeric nanoparticles comprising a medium for photon up-conversion
US2011089375 A1 20110421	US20040898554; US20070808476; US20080262435; US20100971751;	MASSACHUSETTS INST TECHNOLOGY;	C09K11/08;	Microspheres including nanoparticles
US2011226991 A1 20110922	US20080108425P; US200913125562; WO2009US61953;	LIFE TECHNOLOGIES CORP;	C09K11/54; B05D7/00;	Stable nanoparticles and methods of making and using such particles
US2011278503 A1 20111117	US20080104932P; US200913124113; WO2009SG00374;	AGENCY SCIENCE TECH & RES;	C09K11/54; C12N7/00; C08F8/42; C08F8/14; C09K11/02; C08F8/32; C08F8/34; C08F289/00; C08F22/06;	Amphiphilic polymers and nanocrystals coated therewith
US8017036 B1 20110913	US20070894682P; US20080049124;	UNIV PRINCETON;	C09K11/56; C09K11/08; C09K11/61;	Single step gas phase flame synthesis method to produce sub-10 nanometer sized rare earth doped nanoparticles

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EP2317570 A2 20110504	EP19980957785; US19970969302;	MASSACHUSETTS INST TECHNOLOGY;	C09K11/56; C09K11/88; H01S3/16; C09K11/08; H01L33/00; C09K11/00;	Highly luminescent color-selective materials
EP2284296 A1 20110216	EP20040255157;K R20030063229;	SAMSUNG ELECTRONICS CO LTD;	C09K11/62; C09K11/74; H01L33/00; H05B33/14; C09K11/00; C09K11/08; H01L29/221; C09K11/89; B82B3/00; C09C1/38; C09C1/10; C30B7/00; C30B33/00; C09K11/56; C09K11/70; C09C1/12; H01L29/06; B82B1/00; C09K11/88; H01L29/201;	The improvement of the luminescent efficiency of semiconductor nanocrystals by surface treatment
US2011024685 A1 20110203	US20070728445; US20100690980;	GEN ELECTRIC;	C09K11/84; C09K11/86;	Nano-scale metal oxyhalide and oxysulfide scintillation materials and methods for making same
WO2011134173 A1 20111103	WO2010CN72391 ;	LIU JUN;MAWENBO;OCEANS KING LIGHTING SCIENCE;ZHOU MINGJIE;	C09K11/87;	Borate based red light emitting material and preparation method thereof

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EP2305596 A1 20110406	WO2008RU00398 ;	ADAMOV GRIGORY EVGENEVICH;DEVYATOV ALEXANDR GEORGIEVICH;GREBENNIKOV EVGENY PETROVICH;	C09K11/88; C09K11/02; C09K11/58;	Nanocomposite material
JP2011009227 A 20110113	US20020368130P ;	MASSACHUSETTS INST TECHNOLOGY;UNIVERSAL DISPLAY CORP;	C09K11/88; H05B33/14; C09K11/00; C09K11/66; C09K11/64; C09K11/89; C09K11/70; C09K11/08; B32B3/00; C09K11/74; H05B33/10; H01L51/50; B32B9/04; C09K11/56; C09K11/62;	Light emitting device including semiconductor nanocrystals
CN101945975 A 20110112	US20070015483P ;US20080061890 P;WO2008US877 70;	CIMA NANO TECH ISRAEL LTD;	C09K19/00;	Microstructured material and process for its manufacture
KR20110101352 A 20110916	KR20100020308;	KOREA ADVANCED INST SCI & TECH;	C09K19/10;	Graphene composition having liquid crystalline property and method for preparing the same
CN102046526 A 20110504	EE20080000055; WO2009EE00012;	NIKOLAJEVA LRINA;	C09K21/04; A01N59/00; C01B25/37; B27K3/26; C23F11/18;	Ferric phosphate based composition, the preparation and use thereof

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US2011121227 A1 20110526	US20040018678; US20100301279P; US20100911117; US201113020887;	US GOVERNMENT;	C09K3/00; B29C47/00; C08K5/56; D01F9/12;	Carbon nanotube fibers/filaments formulated from metalnanoparticle catalyst and carbon source
US2011037020 A1 20110217	US20040018678; US20100911117;	US GOVERNMENT;	C09K3/00; C08L63/00; C08K3/08;	Highly aromatic compounds and polymers as precursors to carbonnanotube and metal nanoparticle compositions in shaped solids
US2011073003 A1 20110331	US20060463500; US20100956913;	MASSACHUSETTS INST TECHNOLOGY;	C09K3/18;	Superhydrophilic coatings
US2011220840 A1 20110915	US20100709837;		C09K5/00;	Fluid viscosity and heat transfer via optimized energizing ofmulti-walled carbon nanotube-based fluids
US2011210285 A1 20110901	JP20100044382;		C09K5/00;	Liquid alkali metal with dispersed nanoparticles and method ofmanufacturing the same
US2011233458 A1 20110929	US20100315683P; US20100375267 P;US2011130652 72;	EASTERN MICHIGAN UNIVERSITY OFFICE OF RES DEV;	C09K5/08; H01B1/24; C08L53/00; B05D3/02;	Nanoparticle dispersions with ionic liquid-based stabilizers
WO2011053633 A1 20110505	US20090255474P ;	AGENCY SCIENCE TECH & RES;CHOW EDWIN PEI YONG;PEK YURI SHONA;YING JACKIEY;	C09K9/02; C08K5/357; C08F2/32; C08J5/02; C08F251/00; G02C7/04;	Fast-response photochromic nanostructured contact lenses
US2011123429 A1 20110526	FR20070002581; US20080062687; US201113017601;		C10J1/213; D01F9/12;	Process for producing carbon nanotubes from renewable rawmaterials
US7959690 B1 20110614	US20040846023; US20070788723;	UNIV CENTRAL FLORIDA RES FOUND;	C10L1/12;	Nanoparticles for soot reduction

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CN102224223 A 20111019	US20090393620; WO2010US24687;	AFTON CHEMICAL CORP;	C10L1/12; C09C1/00; C10L10/02; C10L9/10; C06B23/00; C10L3/00;	Modulation of combustion rates in fuels
US2011056123 A1 20110310	US20060824514P ;US20070440165; US20070911159P ;US20070938314 P;WO2007US775 45;	CERION TECHNOLOGY INC;	C10L1/12; C09K3/14; C10L1/188; C01F17/00;	Method of preparing cerium dioxide nanoparticles
WO2011009025 A1 20110120	US20090271109P ;US20100835503;	BOGOVIC CALIANN N;EXXONMOBIL RES & ENG CO;HABEEB JACOB J;	C10M145/22; C10M149/12;	Reduced friction lubricating oils containing functionalized carbonnanomaterials
CN102217602 A 20111019	CN20111097770;	ZHONGLAI FANG;	C11D7/18; A01P1/00; C11D7/10; A01N43/64; C11D7/04;	Scavenger of mold on walls
WO2011027335 A1 20110310	ZA20090006174;	IYUKE SUNNY ESAYEGBEMU;MAMVURA TIRIVAVIRI AUGUSTINE;SIBANDA VUSUMUZI;UNIV THE WITWATERSRAND JOHANNESBURG;YAH YAH CLARENCE;	C12C11/09; C12N1/02; C12N11/08;	Yeast cell immobilization

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US2011076665 A1 20110331	US20080131017P ;US20090996412; WO2009US46407;		C12M1/00; A01N1/00; C12N5/00; B32B23/00; C40B50/06; C08B1/00;	Electromagnetic controlled biofabrication for manufacturing of mimeticbiocompatible materials
US2011071681 A1 20110324	CN20091190734;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	C12M1/00; C12M3/00;	Thermal cyler
US2011168559 A1 20110714	US20100685487;	CFD RES CORP;UNIV PITTSBURGH;	C12M1/34;	Nanoscale surface plasmonics sensor with nanofluidic control
US2011212512 A1 20110901	US20080262667; US20090502903; US20090625970; US201113080142;		C12M1/34; G01J3/28; G01N30/00; G01J3/44;	Monitoring network based on nano-structured sensing devices
US2011223654 A1 20110915	US20070954311P ;US20080672251; WO2008US72253;		C12M1/42;	Nano-microfluidic apparatus for continuous real-time analysis oftargets in thin liquid films
CN202081111U U 20111221	CN20112211921U ;	NANJING FIRST HOSPITAL AFFILIATED TO NANJING MEDICAL UNIVERSITY;	C12M3/00; A01N1/02;	Large-scale hepatocyte culturing and freezing device
CN102250766 A 20111123	CN20111168648;	NANJING MEDICAL UNIVERSITY AFFILIATED NANJING FIRST HOSPITAL;	C12M3/00; A01N1/02;	Hepatocyte large-scale culturing and freezing device
EP2308969 A1 20110413	DE200910043666;	KARLSRUHER INST TECHNOLOGIE;	C12N1/00; C12N13/00;	Method for accelerating cell proliferation
EP2382313 A2 20111102	US20090145415P ;US20090205185 P;WO2010US001 04;	DANISCO US INC;RENSSELAER POLYTECH INST;	C12N11/14;	Enzyme-based nanoscale decontaminating composites

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WO2011148983 A1 20111201	JP20100119385;	ISHIKAWA TETSUYA;NAT CANCER CT;	C12N15/09; A61K39/00; C12Q1/02; A01K67/027; G01N33/15; G01N33/50; C12N5/10;	Induced malignant stem cells or pre-induction cancer stem cells capable of self-replication outside of an organism, production method for same, and practical application for same
SG169225 A1 20110330	US20010307668P	UNIV PRINCETON;	C12N15/09; B81B1/00; B01L3/00; C12M1/00; G01N37/00; G01N33/50; C12Q1/68; G01N35/08;	Nanochannel arrays and their preparation and use for highthroughput macromolecular analysis
ES2358292T T3 20110509	US19990384960;	CIBUS INTERNAT LP LTD;	C12N15/09; C12Q1/02; A61K48/00; A61P43/00; C12N15/85; C12N15/10; A01K67/027; C12N5/10; C12N15/05; C07H21/04;	Vectores mutacionales de oligodesoxinucleotidos de cadena sencilla.
WO2011016053 A1 20110210	IN2009DE01620;	BASHIR MOHAMMAD KHAN;COUNCIL SCIENT IND RES;OTHALATHARA USHARRAJ ABHILASH;PERIYASAMYSHANMUGHAM VIJAYKUMAR;PRASAD L V BHAGAVATULA;	C12N15/10; C12N1/20; C12N15/89; C12N1/14;	Dna loaded supported gold nanoparticles, process for the preparation and use thereof

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EP2330208 A1 20110608	EP20050746540; GB20040011537; US20040573805P ;	MIDATECH LTD;	C12N15/113; A61K49/00; A61K49/18; G01N33/58; A61K47/48; A61K51/12; C12N15/88; C12N15/11;	Nanoparticles comprising rna ligands
CA2777030 A1 20110421	US20090252607P ;WO2010US51655 ;	DOW AGROSCIENCES LLC;	C12N15/68; C12N15/82; C12N15/87; A01H5/00;	Use of dendrimer nanotechnology for delivery of biomolecules into plant cells
IL189559 A 20110731	US20050709454P ;WO2006SE00960 ;	FREDRIKSSON SARAH; GENOVIS AB; KOIVUNEN SYLVIA; OLSSON FREDRIK; TOFTEVALL HANNA-KARIN;	C12N15/87;	Nanoparticle suitable for delivery of a biomolecule into or out of a membrane enclosed cell or cell organelle
US2011045080 A1 20110224	US20090162933P ;US20100731021;	UNIV RICE WILLIAM M;	C12N5/00; A61P35/00; A61K9/14; A61P29/00; A61K31/713; C07H21/02;	Single-walled carbon nanotube/bioactive substance complexes and methods related thereto
US2011203013 A1 20110818	US20100305277P ;US201113012095 ;	PIONEER HI BRED INT;	C12N5/04; C12N5/10; A01H1/06; C12N15/82;	Delivering compositions of interest to plant cells

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US2011275702 A1 20111110	US20080102702P ;US20080117418 P;US2009131224 82;WO2009US594 32;	UNIV ARIZONA;	C12N5/078; A61P35/00; C12N5/09; C40B50/00; C12N5/07; A61K31/7088; C07H21/00;	Novel dna nanostructures that promote cell-cell interaction and use thereof
US2011236974 A1 20110929	US20070927583P ;US20090598776; US20100312695P ;US201113045095 ;WO2008US62395 ;	UNIV VIRGINIA PATENT FOUND;	C12N5/079; C12N5/074; C12N5/0793; C12N5/0775; C12N5/077; C12N5/09; B29C47/00; C12N5/073; C08L89/00; C12N5/071;	Compositions and methods for making and using laminin nanofibers
US2011081395 A1 20110407	US20090573878;	NAT HEALTH RESEARCH INSTITUTES; NAT UNIV TSINGHUA;	C12N5/0793; C03C17/00; C12N5/074; C12N5/0735; C12N5/02; C12N5/071; C12N5/079; C12N5/00; C12N5/095; C12N5/073; G01N33/567; C12N5/07;	Ultra-nanocrystalline diamond as a biomaterial for enhancing proliferation and differentiation of neural stem cells

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AU2011213850 A1 20110915	AU20110213850;	NORTHWESTERN UNIVERSITY;	C12N5/0797; A01N61/00; A61K38/00; A01N37/18;	Methods and compositions for encapsulation of cells
US2011014698 A1 20110120	DE200710054691; WO2008DE01825;		C12N5/09; C12N5/071;	Use of nanopatterned surfaces and method for enriching or isolating cellular subpopulations
US2011151542 A1 20110623	US20050732279P; US20060815499 P;US2008009057 9;US20100883295 ;WO2006US42363 ;	UNIV SOUTH CAROLINA;	C12N7/00;	Bionanomaterials and their synthesis
US2011086338 A1 20110414	US20050654784P; US20060884604; WO2006US05537;		C12N7/00; C12Q1/70;	Bacteriophage/quantum-dot (phage-qd) nanocomplex to detect biological targets in clinical and environmental isolates
WO2011108789 A1 20110909	KR20100019834; KR20100073937;	KIM JIN HEUNG;UNIV EWHA IND COLLABORATION;	C12N9/00;	Photocatalytic production method of oxidoreductase cofactors using nanoparticles
WO2011133504 A2 20111027	US20100325922P ;	CAO YUNWEI CHARLES;LIU CHEN;LIU HONGYAN;UNIV FLORIDA;WANG ZHONGLIANG;YANG SOON HYE;	C12N9/14; B82Y5/00; A61K38/43; C12N9/96;	Nanozymes, methods of making nanozymes, and methods of using nanozymes
US2011143417 A1 20110616	US20050668603P; US20050728292 P;US2005075119 6P;US200603915 84;US2006078233 2P;US200903969 65;US2010096893 6;	IBC PHARMACEUTICALS INC;	C12N9/96; C07K19/00;	Stably tethered structures of defined compositions with multiple functions or binding specificities

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US2011027851 A1 20110203	US20090183453P; US20100792492;		C12P1/04; C12P1/00; C12N15/63; C07H21/04;	Compositions, methods and uses for biosynthetic plasmid integrated capture elements
US2011039303 A1 20110217	US20070899630P; US20080526015; WO2008US53099;		C12P19/34; B01L3/00; C07K14/00; C07H21/04;	Microfluidic and nanofluidic devices, systems, and applications
EP2365096 A1 20110914	EP20010922603; US20000191227P; US20000237000 P;	LIFE TECHNOLOGIES CORP;	C12P19/34; C12Q1/68; C07H21/00; G01N21/64; G01N33/53; C12N15/09; G01N21/78; C07H21/02; G01N33/542; G01N33/566; C07H21/04;	Methods of using semiconductor nanocrystals in bead-based nucleic acid assays
ES2365536T T3 20111006	GB20050024313;	IMP INNOVATIONS LTD;IMP INNOVATIONS LTD;UNIV MANCHESTER;	C12Q1/00; A61K47/48; G01N33/50; A61K9/00;	Partículas.

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JP2011256207 A 20111222	US20040549280P ;	MASSACHUSETTS INST TECHNOLOGY;	C12Q1/02; A61K39/395; A61K9/72; A61K9/16; A61P17/06; A61K38/21; A61P11/08; A61P9/10; A61P35/00; A61K38/19; G01N33/50; A61K49/00; A61K9/50; G01N33/15; A61K47/26; A61K45/06; A61K38/18; A61K38/46; A61K45/00; A61P9/00; A61K47/14; A61K31/5377; A61K31/502; B82Y5/00; A61K31/737; A61K47/38; A61P43/00; G01N33/48; A61P29/00; A61P25/00; A61K31/7012; A61K47/24; A61K9/12; A61P19/02; A61K9/127; A61K31/56; A61K9/14; A61K47/36; A61P25/08; A61K9/51; A61K47/34; A61P11/00;	Nanocell drug delivery system
INPI/DICOD/CEDIN/CEPRO Alerta Tecnológico nº 77 – Agosto de 2012 Pedidos de Patente sobre Nanotecnologia Aplicadas à Agricultura no 2º semestre de 2011				

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US2011212032 A1 20110901	KR20070086850; WO2008KR04820;	KOREA RES INST OF BIOSCIENCE;	C12Q1/02; A61K49/12;	Polymer particles for nir/mr bimodal molecular imaging and method for preparing the same
US2011039291 A1 20110217	US20070899797P ;US20080525875; WO2008US53103;		C12Q1/02; C02F3/34;	Bioremediation of nanomaterials
US2011070604 A1 20110324	US20080054787P ;US20080055416 P;US2008099382 6;WO2008US8519 4;	UNIV CALIFORNIA;	C12Q1/02; C12M1/34;	Analysis of ex vivo cells for disease state detection and therapeutic agent selection and monitoring
US2011286975 A1 20111124	US20080099966P ;US201113070873 ;WO2009US58473 ;		C12Q1/02; C12N13/00; A61K35/12; C12N15/85;	Systems and methods for magnetic guidance and patterning of materials
US2011300532 A1 20111208	EP20090003191;E P20090004943;		C12Q1/02; C12Q1/68; C12Q1/34; C07F1/12;	Control of the toxicity of gold nanoparticles
US2011207614 A1 20110825	US20100305864P ;US201113030048 ;	UNIV NORTH TEXAS;	C12Q1/02; H01L31/00; C09K11/06; C40B30/00; H01F1/00; C09K11/02;	Polarized fluorescent nanospheres
US2011293529 A1 20111201	US20100331885P ;US201113101370 ;		C12Q1/37; G01N33/53; A61K49/00; C12Q1/68;	Fluorescent nirf activatable probes for disease detection

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US2011275066 A1 20111110	US20050740583P; US20050740693 P;US2006063323 2;US20111310740 0;		C12Q1/68;	Method of dna analysis using micro/nanochannel
KR20110018702 A 20110224	KR20090076300;	AVELLINO CO LTD;KOREA ADVANCED INST SCI & TECH;	C12Q1/68;	Multi-spot metal-capped nanostructure array nucleic acid chip for diagnosis of corneal dystrophy and preparing method thereof
WO2011050000 A2 20110428	US20090279408P ;	MESSMER BRADLEY T;UNIV CALIFORNIA;	C12Q1/68; A61K48/00; C12N15/11; A61K9/127; A61K9/51; A61P35/00; A61K31/7088;	Single molecule nucleic acid nanoparticles
US2011089944 A1 20110421	US20060793788P ;US20070732352; US20070904266P ;	DANA FARBER CANCER INSTITUTE;	C12Q1/68; C07H21/02; G01N24/00;	Nucleic acid nanotube liquid crystals and use for nmr structure determination of membrane proteins
US2011057153 A1 20110310	US20070846972; US20080060506;	IBM;	C12Q1/68; C07H21/04; C12M1/36;	Dna-based functionalization of single walled carbon nanotubes for directed assembly
US2011008797 A1 20110113	EP20080005370; WO2009EP02052;	FRAUNHOFER GES FORSCHUNG;MERCK PATENT GMBH;	C12Q1/68; C12M1/00; C12P19/34; C12M1/34;	Method and device for the thermal control of temperature- dependent enzymatic reactions using magnetic particles or magnetic beads and alternating magnetic fields
WO2011143323 A2 20111117	US20100333442P ;	APPELLA DANIEL H;USA AS REPRESENTED BY THE SECRETARY DEPT OF HEALTH & HUMAN SERVICES;	C12Q1/68; C12N15/11; C07K14/00; C12N15/113;	Programmable self-assembled nanostructures based on sidechain- modified pna for the multivalent display of ligands

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WO2011017077 A2 20110210	US20090228840P; US20090228844P; US20090228846P;	CHEN YU;ERRAMILLI SHYAMSUNDER;HONG MI K;MOHANTY PRITIRAJ;UNIV BOSTON;	C12Q1/68; G01N33/48; G01N27/414; G01N27/416;	Nanochannel-based sensor system with controlled sensitivity
WO2011076951 A1 20110630	EP20090180753; US20090290046P;	CHEN CHANG;CHENG KAI;IMEC;LAGAE LIESBET;STAKENBORG TIM;UNIV LEUVEN KATH;VAN DORPE POL;	C12Q1/68; G01N33/487;	Plasmonic force manipulation in nanostructures
CA2772789 A1 20110421	US20090243607P; US20100355528P; WO2010US49238;	HARVARD COLLEGE;	C12Q1/68; G01N33/487; G01N27/447;	Bare single-layer graphene membrane having a nanopore enabling high-sensitivity molecular detection and analysis
US2011097723 A1 20110428	US20090276954P; US20100924072;		C12Q1/68; G01N33/68; G01N33/53;	Methods and reagents for analyte detection
US8075664 B1 20111213	US20070760850;	SANDIA CORP;	C22B5/20;	Synthesis of metallic nanoshells on porphyrin-stabilized emulsions
US2011209578 A1 20110901	JP20100041414;J P20100041415;		C22C1/02; B22F9/04;	Nanoparticle manufacturing device and nanoparticle manufacturing method and method of manufacturing nanoparticle-dispersed liquid alkali metal
US2011005353 A1 20110113	JP20030317307;U S20040812078;U S20080285857;U S20080292063;	DOWA ELECTRONICS MATERIALS CO;	C22C33/02; B22F1/00; H01F1/06; G11B5/842; G11B5/706; B22F9/18; G11B5/714; B22F9/24; H01F1/047; C22C1/04;	Magnetic metal powder and method of producing the powder

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WO2011156825 A2 20111215	US20100352574P; US20100422006P;	SCHROERS JAN;TAYLOR ANDRE D;UNIV YALE;	C22C5/04; C22C45/00;	Bulk metallic glass nanowires for use in energy conversion and storage devices
US2011064603 A1 20110317	IE20070000931;IE20080000804;US20080136808P;US20080735100;WO2008IE00124;		C22C5/06; B22F9/24;	Process for preparing nanoparticles
EP2286000 A1 20110223	IT2008TO00358; WO2009IB51995;	CONSIGLIO NAZIONALE RICERCHE;	C23C14/04;	Method and system for manufacturing nanostructures
CN102037547 A 20110427	EP20080103751; WO2009IB51656;	TAIWAN SEMICONDUCTOR MFG;	C23C14/08; H01L21/314; H01L29/423; H01L29/51; H01L21/28; C23C16/40;	Method of forming a nanocluster-comprising dielectric layer and device comprising such a layer
CN102178426 A 20110914	CN20111051519;	JIANGSU XINUO IND CO LTD;	C23C14/14; A47G19/22; C23C14/34; A01N59/16; A01P3/00;	Nano silver antibacterial vacuum cup and processing technology thereof
US2011024715 A1 20110203	KR20080032592; WO2008KR06402;	UNIV EWHA IND COLLABORATION;	C23C14/16; H01L45/00;	Method of fabricating ag-doped te-based nano-material and memory device using the same
US2011064873 A1 20110317	TW20070150556; US20080155036; US20100948080;	UNIV NAT TAIWAN;	C23C14/34; B05D3/02;	Method for producing carbon nanocoils
US2011107473 A1 20110505	US20060782575P; US20070686046;	WISCONSIN ALUMNI RES FOUND;	C23C14/48; G01Q70/14; C23C14/06;	Diamond-like carbon coated nanoprobe

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US2011123409 A1 20110526	FR20070008411; WO2008FR01643;		C23C16/06; C07C41/09; C01B31/36; B01D15/04; B01J19/00; C01G23/047;	Chemical reactor with nanometric superstructure
CN101970715 A 20110209	FR20080051581; WO2009FR50274;	ARKEMA FRANCE;	C23C16/18; C23C16/32; C23C16/44; C23C16/24;	Method and system for depositing a metal or metalloid on carbonnanotubes
US2011014446 A1 20110120	JP20070178585; WO2008JP61917;		C23C16/26;	Method for forming carbon nanotube film, film-forming apparatus,and carbon nanotube film
US2011250376 A1 20111013	US20100321831P ;US201113081421 ;	CALIFORNIA INST OF TECHN;	C23C16/26; B32B33/00; B05D3/02; B05D3/06;	Simple method for producing superhydrophobic carbon nanotubearray
US2011107942 A1 20110512	BR2008PI02018; WO2009BR00119;		C23C16/26; C04B7/48;	Large scale production of carbon nanotubes in portland cement
US2011240108 A1 20111006	US20100320638P ;US201113079697 ;		C23C16/30; B05D3/02; H01L31/06; H01L31/0392; C01G49/12; B05D3/12; B05D5/12; B05D3/04;	Method to synthesize colloidal iron pyrite (fes2) nanocrystalsand fabricate iron pyrite thin film solar cells

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USRE42887E E1 20111101	US20030716006; US20090548363;	UNIV CASE WESTERN RESERVE;	C23C16/32; H01L21/04; B81B3/00; C23C16/00; C23C16/52; G02B26/08;	Silicon carbide and other films and method of deposition
US2011039690 A1 20110217	US20040541463P ;US20040941746; US20060331445; US20060511886;	NANOSYS INC;	C23C16/40; C09K3/00; C22C5/02; B01J23/52; B01J23/42; H01B1/04; H01B1/02; C23C16/24; B01J21/18;	Porous substrates, articles, systems and compositions comprisingnanofibers and methods of their use and production
US2011111227 A1 20110512	US20090259429P ;US20100942396;		C23C16/44; B32B5/02; C09K3/00; C23C16/06;	Method for production of germanium nanowires encapsulated withinmulti-walled carbon nanotubes
US2011033639 A1 20110210	US20050064653; US20080025161;	MOTOROLA INC;	C23C16/448;	Apparatus and process for carbon nanotube growth
US2011045207 A1 20110224	JP20070078038; WO2008JP55441;		C23C16/50; C23C16/32;	Method for producing carbon nanowalls
US2011223065 A1 20110915	KR20080054438; WO2009KR02728;		C23C16/56; B05D1/36; G01N27/00; C23C16/44; B05D5/12;	Biomolecular sensor with plural metal plates and manufacturing methodthereof

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WO2011033343 A1 20110324	PT20090104751;	BRETOS IGNOS;CALZADA MARIA LOURDES;JIMENEZ RIOBOO RICARDO;LOUSADA SILVEIRINHA VILARINHO PAULA MARIA;UNIV AVEIRO;WUAIYING;	C23C18/12; C23C18/14;	Method for the preparation at low temperatures of ferroelectric thinfilms, the ferroelectric thin films thus obtained and their applications
WO2011086387 A2 20110721	US20100657288;	FALKNER JOSHUA CHARLES;GALLAWAY CLAYTON;HULSEY DEAN;LUCAS BRIAN RONALD;NANORIDGE MATERIALS INC;SEARFASS MICHAEL T;	C23C18/14; B82Y30/00; C01B31/02; B82Y40/00;	Metallized nanotubes
EP2295617 A1 20110316	DE200710017032; EP20080716484;	MAX PLANCK GESELLSCHAFT;	C23C18/14; G02B1/12; C23C18/08; C23C18/12; G02B3/00;	Method for producing flat size or distance variations in nanostructures on surfaces
WO2011014929 A1 20110210	US20090232277P ;US20090264078 P;	BENDAVIDAVI;COMMW SCIENT IND RES ORG;MARTIN PHILLIP JAMES;PRESTON EDWARD WILLIAM;RANDENIYA LAKSHMAN KUMAR;	C23C18/31; B82B3/00; B82B1/00; C23C18/16; C23C18/54;	Deposition of metals
TWI338724B B 20110311	KR20050107191;	BAIKSAN OPC CO LTD;KOREA INST SCI & TECH;	C23C22/66; G03G5/10; C23C22/73;	Method for treating nano-sized surface modification on aluminumfor opc drum
EP2368838 A1 20110928	EP20040023702;E P20050779209;EP 20100015486;	SIEMENS AG;	C23C22/74; C23C18/12; C23C20/08; B82B1/00;	Coated metallic component
JP2011184800 A 20110922	JP20060015296;J P20110103551;	NIHON PARKERIZING;	C23C26/00;	Surface-treating agent comprising crystalline layered inorganiccompound dispersed in nanosheet form

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US2011226737 A1 20110922	US20070782664; US20100788931; US201113151981;		C23F1/00; B28B7/38;	Method for making a master disk for nanoimprinting patterned magnetic recording disks
US2011089379 A1 20110421	TW20090135255;	NAT UNIV TSINGHUA;	C23F1/00; B32B15/02;	Development of phospholipid-capped gold nanoparticles (plgnps) as surface enhanced raman scattering probes
US2011200787 A1 20110818	US20100298326P ;US201113013645 ;	UNIV CALIFORNIA;	C23F1/00; B32B37/02; B32B37/14; B32B9/00; B32B3/10; B32B38/10;	Suspended thin film structures
US2011287227 A1 20111124	CH20070001272; WO2008CH00244 ;		C23F1/00; B32B5/16; C23C16/02; C23C16/50; B32B3/30; B32B33/00; C23C16/40;	Method for producing a metal-oxide-coated workpiece surface with predeterminable hydrophobic behaviour
US2011039406 A1 20110217	US20070773580; US20100914814;	MICRON TECHNOLOGY INC;	C23F1/00; B44C1/22; C03C15/00; C03C25/68;	Methods of etching nanodots, methods of removing nanodots from substrates, methods of fabricating integrated circuit devices, methods of etching a layer comprising a late transition metal, and methods of removing a layer comprising a late transition metal from a substrate
US2011192779 A1 20110811	US20090270023P ;US20090283281 P;US2010033909 5P;US201008269 40;US2010095859 5;US20111303564 5;	UNIV BRIGHAM YOUNG;	C23F1/00; C23C16/02; B01D15/10; B05D3/10;	Thin layer chromatography plates and related methods

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US2011288497 A1 20111124	US20100346372P ;US201113111368 ;	NANOMEDICAL SYSTEMS INC;	C23F1/02; B05D3/00; A61M25/00;	Nano-scale coatings and related methods suitable for in-vivo use
US2011315660 A1 20111229	KR20100061978;	UNIV KOREA RES & BUS FOUND;	C23F1/02; C01B33/12; C01B39/00; G01N31/00;	Method for recycling of silica waste and method for preparingnanoporous or spherical materials
US2011272382 A1 20111110	JP20080159045;J P20080159048;W O2009JP02504;	NIPPON KOGAKU KK;	C23F1/02; G01N21/00; B05D3/12; C23F1/00;	Template manufacturing method, template inspecting method andinspecting apparatus, nanoimprint apparatus, nanoimprint system, and device manufacturing method
US2011189446 A1 20110804	EP20080104722; US20080079895P ;US200913003484 ;WO2009EP04846 ;	TRINITY COLLEGE DUBLIN;	C23F1/08; C23F1/00; B32B3/00;	Process and system for fabrication of patterns on a surface
US2011024169 A1 20110203	US20090229058P ;US20100845557;		C23F1/24; H05K1/00;	Silicon nanowire arrays on an organic conductor
US2011233169 A1 20110929	US20100318641P ;US201113074670 ;	BIOMET 3I LLC;	C23F1/40; C23F1/30; C23F1/00;	Titanium nano-scale etching on an implant surface

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JP2011115942 A 20110616	JP20020063400;J P20020063515;JP 20100274561;	NAT INST INF & COMM TECH;	C25B1/00; H01L29/786; C25D1/04; C25D9/02; H01L29/06; H01L23/52; H01L21/28; H01L21/3205; H01L21/288; B82B3/00; H01L29/66;	Method for producing conductive nanowire
US2011308949 A1 20111222	US20100820516;	IBM;	C25B11/00; G01N27/447;	Nano-fluidic field effective device to control dna transportthrough the same
US2011127167 A1 20110602	US20050749639P ;US20050750335 P;US2006009736 0;US20060794853 P;WO2006US473 49;	UNIV NEVADA RENO;	C25B11/04; C25B1/02; C23C28/00;	Preparation of nano-tubular titania substrates having gold andcarbon particles deposited thereon and their use in photo- electrolysis of water
US2011155571 A1 20110630	US20040983993; US20060525469; US201113032585;	QUANTUMSPHERE INC;	C25B11/04; G01N27/30;	Nano-material catalyst device
CN101981231 A 20110223	DE200810015902; WO2009EP02028;	BAYER TECHNOLOGY SERVICES GMBH;	C25B11/06; C25B1/26;	Method for the electrolytic reduction of oxygen
EP2307312 A2 20110413	GB20080012328; GB20080022525; WO2009GB01657 ;	IMP INNOVATIONS LTD;UCL BUSINESS PLC;	C25B11/12; B01J13/00; C01B31/02;	Method for dispersing and separating nanotubes

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US2011070440 A1 20110324	US20090223575P; US20100831886;		C25B7/00; C08B37/10; B32B5/16; C07K14/00;	Artificial organelle on a digital microfluidic chip used to redesign the biological activities of heparan sulfate
AU2010204075 A1 20110804	IN2009DE00049; WO2010IN00022;	COUNCIL SCIENT IND RES;	C25D1/00; C01G23/053; C01G23/047;	One step electrochemical process for the synthesis of pure rutile titanium dioxide nanoneedles
CA2781902 A1 20110603	WO2009IB07827;	COMMISSARIAT ENERGIE ATOMIQUE; UNIV KING SAUD;	C25D1/04;	Production of nano-organized electrodes on porous substrate
TWI342050B B 20110511	US20030744516;	SAMSUNG ELECTRONICS CO LTD;	C25D1/04; B81B1/00; B82B3/00; C25D1/20; C25D1/10; C30B29/60; H01L21/336; C30B29/68;	Fabrication of nano-object array
CN102016128 A 20110413	DE200810015333; WO2009EP01781;	GSI HELMHOLTZ ZENTR SCHWERIONEN;	C25D1/08; C25D5/18; B01J19/00;	Nanowire structural element
US2011024294 A1 20110203	US20080071165;	ATOMIC ENERGY COUNCIL;	C25D1/12;	Method for making membrane fuel cell electrodes by low-voltage electrophoretic deposition of carbon nanomaterial-supported catalysts
WO2011135924 A1 20111103	JP20100101980;	ISOZAKI KATSUHIRO; MIKIKAZUSHI; NAT INST FOR MATERIALS SCIENCE; NITTOH KOHICHI; OCHIAI TAKAO; TAGUCHI TOMOYA;	C25D13/02; B82B3/00; B01J19/00; B82B1/00; B01J23/52;	Metal nanoparticle array structure, device for producing same, and method for producing same
WO2011058238 A1 20110519	FR20090005392;	COMMISSARIAT ENERGIE ATOMIQUE; DIJON JEAN; JOYEUX XAVIER; PINSON JEAN;	C25D13/04; H01L21/768;	Selective nanoparticle deposition

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US2011284380 A1 20111124	US20060857765P; US20070924057P; US20070979949; US201113113680;		C25D15/00;	Methods for nanowire alignment and deposition
US2011240480 A1 20111006	US20070765735; US201113162163;	NEW JERSEY TECH INST;	C25D15/00;	Nanotube device and method of fabrication
US2011015102 A1 20110120	FR20070008875; WO2008FR52351;	LUZENAC EUROP SAS;UNIV TOULOUSE 3 PAUL SABATIER;	C25D15/00; C10M125/04;	Composite material consisting of a metal matrix in which synthetic lamellar phyllosilicated nanoparticles are distributed
US2011084326 A1 20110414	US20090587401; US20100898159;	UNIV VANDERBILT;	C25D15/00; H01L29/94; C01F17/00;	Densely-packed films of lanthanide oxide nanoparticles via electrophoretic deposition
CN102144050 A 20110803	US20080032505P; WO2009US35408;	DU PONT;	C25D15/02; C25D13/02; C09D5/44; H01J9/02; C25D13/04;	Method for the electrochemical deposition of carbon nanotubes
WO2011027184 A1 20110310	WO2009IB06466;	MALLET JEREMY; MARTINEAU FLORIE; MOLINARI MICHAEL; TROYON MICHEL; UNIV REIMS CHAMPAGNE ARDENNE;	C25D3/66; C25D9/08; D01F9/08; C25D1/02; C25D1/10;	Device for the production of si nanowires by means of electrodeposition at ambient temperature, method for preparing same and resulting nanowires
US2011220166 A1 20110915	US20100340000P; US201113039506;		C25D5/18; C25D5/02; C25D1/04; C09K3/00; H01L35/20;	Method of synthesis cobalt antimonide nanoscale structures and device

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US2011125050 A1 20110526	US20040611624P ;US20050231425; US20100897207;	UNIV PENNSYLVANIA;	C25D7/00; C23C28/00; G01R27/08; B05D5/12; A61B5/053;	Multiple-electrode and metal-coated probes
CN102041536 A 20110504	CN20101507966;	UNIV NORTHWESTERN POLYTECHNIC;	C25D9/02; C25D15/00; B81C1/00; B82Y40/00;	Method for preparing two types of super-hydrophobic membranes simultaneously by utilizing nickel chloride
CN102041534 A 20110504	CN20101507949;	UNIV NORTHWESTERN POLYTECHNIC;	C25D9/02; C25D15/00; B81C1/00; B82Y40/00;	Method for simultaneously preparing two types of super- hydrophobic films by utilizing copper chloride
US2011177307 A1 20110721	TW20100101425;	HON HAI PREC IND CO LTD;	C25F3/00;	Carbon nanotube device and method for making same
US2011203940 A1 20110825	US20060507291; US201113098572;		C25F3/02; C25B9/00;	Method of selectively removing conductive material
US2011036395 A1 20110217	US20050710097P ;US20050710262 P;US2006046641 1;US20100911657 ;	Q1 NANOSYSTEMS INC;UNIV CALIFORNIA;	C30B11/00; H01L31/04; C23C28/00; C30B25/00; C23F1/00; C25F3/00; C23C14/34; B32B3/00; H01L31/0236;	Methods for forming nanostructures and photovoltaic cells implementing same

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EP2334848 A1 20110622	FR20080056832; WO2009FR51932;	CENTRE NAT RECH SCIENT;ECOLE POLYTECH;	C30B11/12; H01L29/786; C30B29/60; H01L29/06; C30B29/06; C30B29/08;	Method for making side growth semiconductor nanowires andtransistors obtained by said method
US2011042641 A1 20110224	US20060843681P ;US20070310764; WO2007US19669;	HARVARD COLLEGE;	C30B21/02;	Branched nanoscale wires
WO2011152799 A1 20111208	US20100351066P ;	AGENCY SCIENCE TECH & RES;GOH KIA LIANG GREGORY;	C30B25/18; C30B29/16; H01L33/00; C30B25/02; B82Y30/00;	Method of forming epitaxial zinc oxide films
JP2011006412 A 20110113	US20020403367P ;	BAWENDI MOUNGI G;KIM SUNGJEE;MASSACHUSETTS INSTTECHNOLOGY;STOTT NATHAN E;	C30B29/10; H01L51/40; C07F9/113; C08G18/83; C07F9/50; H01L51/05; C01B19/00; H01L51/30; C30B29/46; B32B5/16; C08G18/32; H01L21/00;	Stabilized semiconductor nanocrystal

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EP2347994 A1 20110727	EP20040798581; US20030524890P; US20040560701 P;	QUNANO AB;	C30B29/44; B82B1/00; C30B29/62; C30B29/40; C30B11/00; C30B11/12; B82B3/00;	Nanostructures formed of branched nanowhiskers and methods of producing the same
EP2399733 A2 20111228	EP20010995322; US20000732013;	MASSACHUSETTS INST TECHNOLOGY;	C30B29/48; B32B5/16; C01B19/04; C01F1/00; C01B17/20; C30B7/14; C01G9/00; B82Y30/00; C01B19/00; C01G28/00; C30B29/40; C30B29/60; C30B7/00;	Preparation of nanocrystallines
US2011300605 A1 20111208	US20010326583P; US20020157775; US20070987673; US201113193884;	UNIV TEXAS;	C30B29/54; C30B7/00; H01L51/40; H01L21/02; C12N7/00; G01N33/58; H01L29/06; H01L29/04; C12N15/00; B82B3/00;	Nanoscaling ordering of hybrid materials using genetically engineered mesoscale virus

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AU2009326798 A1 20110623	US20080193619P ;WO2009CA01768 ;	FPINNOVATIONS;	C30B29/58; C08J5/18; C30B7/04; B42D15/10; C08L1/08;	Iridescent solid nanocrystalline cellulose films incorporating patterns and method for their production
WO2011017392 A1 20110210	US20090231063P ;US20090231501 P;US2010071130 9;	GOYAL AMIT;UT BATTELLE LLC;	C30B29/60; C25D11/04; C30B11/12; C30B29/62; C30B11/00; C30B29/16; C25D11/18;	Vertically-aligned nanopillar array on biaxially-textured substrates for nanoelectronics and energy conversion applications
WO2011095731 A1 20110811	FR20100000405;	BENAMARA OMAR;BLON THOMAS;CENTRE NAT RECH SCIENT;CHAUDRET BRUNO;INST NAT SCIENCES APPLIQ;LIAKAKOS NIKOLAOS;RESPAUD MARC;SNOECK ETIENNE;SOULANTIKA AIKATERINI;UNIV TOULOUSE 3 PAUL SABATIER;	C30B29/60; C30B7/14; C30B29/02; B22F9/24; C30B7/00;	Method for manufacturing nanorods epitaxied on a substrate, epitaxied nanorods obtained by such a method and digital data recording medium

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EP2302108 A1 20110330	EP20030738327; US20020393835P ;US20030459982 P;	QUNANO AB;	C30B29/60; H01L31/10; H01L21/331; H01L29/20; C30B11/12; H01L33/00; B82B1/00; H01J31/12; H01L29/737; C30B25/00; B82B3/00; C30B29/40; H01L29/06; C30B25/02; H01L29/88; C30B25/18; C30B25/14; C30B11/00;	Nanostructures and methods for manufacturing the same
WO2011014576 A1 20110203	US20090229209P ;	ALIVISATOS A PAUL;CHOI CHARINA L;KOSKI KRISTIE J;SIVASANKAR SANJEEVI;UNIV CALIFORNIA;	C30B29/62;	Systems and methods of detecting force and stress using tetrapodnanocrystal
JP2011148797 A 20110804	US19990145708P ;	MASSACHUSETTS INST TECHNOLOGY;	C30B7/00; C09K11/08; C07F9/22; C09K11/88; C07F9/28; C01B19/00; C01B19/04; C07F9/53;	Tellurium-containing crystalline material

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EP2370205 A1 20111005	EP20080022555;E P20090005932;EP 20090805685;WO 2009EP09286;	MAX PLANCK GESELLSCHAFT;	C30B7/14; B82B3/00; C30B29/48; C30B29/60; C30B29/62; C30B35/00; B01J19/24;	An autosynthesizer for the controlled synthesis of nano- and sub-nanostructures
US2011045081 A1 20110224	WO2007IB54169;		C40B30/00; C12N13/00; H01F1/00; C07K1/14; C40B50/00; A61K9/14; C12N5/071; G01N33/53;	Magnetic, paramagnetic and/or superparamagnetic nanoparticles
US2011195850 A1 20110811	US20070916979P ;US20080116908; US201113088284;	NANOLNK INC;	C40B30/00; C40B50/14;	Compact nanofabrication apparatus
US2011053794 A1 20110303	US20090237034P ;US20100310875 P;US2010086950 4;		C40B30/04; C40B40/18; C40B60/12;	Nanostructured substrates for surface enhanced raman spectroscopy (sers) and detection of biological and chemical analytes by electrical double layer (edl) capacitance
WO2011038327 A1 20110331	US20090246251P ;	AUSTIN MICHAEL D;BIONANOMATRIX INC;BOGDANOV VALERIY;DESHPANDE PARIKSHIT A;SHARONOV ALEXEY;	C40B30/04; C40B60/12;	Nanochannel arrays and near-field illumination devices for polymer analysis and related methods
US2011224091 A1 20110915	US20100312913P ;US201113045135 ;	UNIV LOUISVILLE RES FOUND;	C40B30/04; G01N33/574; C40B60/12; B32B33/00; C12M1/34;	Method and device for detecting cellular targets in bodily sources using carbon nanotube thin film

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US2011039730 A1 20110217	US20070935774P ;US20080675370; WO2008US75066;	UNIV CORNELL;	C40B30/10; C40B60/12;	Nanoscale optofluidic devices for molecular detection
US2011160094 A1 20110630	US20030688867; US20110984443;		C40B40/08; C40B40/00; C40B40/06;	Nanocontact printing
US2011136691 A1 20110609	KR20090119665;	KOREA ELECTRONICS TELECOMM;	C40B40/18; C40B30/10; C40B50/14;	Gold-silver alloy nanoparticle chip, method of fabricating the same and method of detecting microorganisms using the same
US2011201527 A1 20110818	US20060814280P ;US20070764644; US201113092858;	UNIV WASHINGTON;	C40B50/14;	Trapping of micro and nano scale objects based on localized surface plasmon
US2011294679 A1 20111201	GB20070005604; WO2008GB50200 ;	ATTOMARKER LTD;	C40B50/14; C40B40/00; C40B30/04;	Method of fabrication of photonic biosensor arrays
US2011301066 A1 20111208	US20100793883;		C40B60/00; H01S3/08;	Adhesion layer enhancement of plasmonic fluorescence
US2011269649 A1 20111103	US20000224109P ;US20010927779; US20080216062; US201113183336;	CALIFORNIA INST OF TECHN;	C40B60/12; G01N27/00; G01N13/16; G01N33/543; G01N33/566; G01N33/53;	Active nems arrays for biochemical analyses
US2011053805 A1 20110303	US20090182190P ;US20100791466;	GEORGIA TECH RES INST;	C40B60/14; C08F224/00; C40B50/00;	Thermochemical nanolithography components, systems, and methods
US2011177978 A1 20110721	US20090244765P ;US20100888146;	UNIV CORNELL;	C40B60/14; C40B50/18; B29C59/02;	Apparatus and method for forming self-assembly arrays

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DK1828447T T3 20110321	US20040628469P; WO2005US41603	HYPERION CATALYSIS INT;	D01C5/00; D01F9/12;	Fremgangsmåde til at fremstille understøttede katalysatorer frametalpåførte kulstof-nanorör
KR20110055894 A 20110526	KR20090112510;	KOREA ELECTRONICS TELECOMM;	D01D5/00; B82B3/00; B81B5/00;	Method for forming organic materials pattern using elelctrospinningporcess
US2011168980 A1 20110714	KR20100003133;	SAMSUNG ELECTRONICS CO LTD;	D01D5/084; D01D5/06; D01D5/08; H01B1/12; H01B3/30; H01L29/775; D01D5/30; D01D5/11;	Nanofiber composite, method of manufacturing the same, and fieldeffect transistor including the same
US2011129668 A1 20110602	KR20090118257;	KOREA ELECTRONICS TELECOMM;	D01F1/09; B29C47/04; H01B1/12; H01B1/02; D01F8/00;	Organic-inorganic hybrid nanofiber for thermoelectricapplication and method of forming the same
WO2011046657 A2 20110421	US20090227746P ;	BROMBERG LEV E;CHEN LIANG;HATTON TREVOR A;MASSACHUSETTS INST TECHNOLOGY;RUTLEDGE GREGORY C;	D01F1/10; D01F8/08; A01N33/02; A62D3/35; D01F8/04;	Multifunctional membranes with antimicrobial activity made of electroprocessed fibers
KR20110027723 A 20110316	DE200810031579;	BAYER MATERIALSCIENCE AG;	D01F11/12; D01F9/12; D06M11/64;	A highly efficient gas phase method for modification andfunctionalization of carbon nanofibres with nitric acid vapour

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US2011183139 A1 20110728	US20060796399P; US20060808096 P;US2006084228 1P;US200608425 43P;US20060874 876P;US2007074 1634;US20111307 3865;		D01F8/18; D01F9/12;	Organized carbon and non-carbon assembly
CN102154817 A 20110817	CN20111037686;	UNIV JIANGSU;	D01F9/10; A01N59/20; D06M11/83; A01P3/00;	Silver-loaded copper ferrite magnetic nanometer composite fiberand preparation method and application thereof
US2011014113 A1 20110120	US20090506148;		D01F9/12;	Carbon nanotube seperation by reversible gelation
US2011171109 A1 20110714	US20040007614; US20100939144;		D01F9/12;	Mass production of carbon nanostructures
US2011229402 A1 20110922	EP20070009540; US20080117995; US201113117681;	GRUPO ANTONLIN INGENIERIA S A;	D01F9/12;	Carbon nanofibers and procedure for obtaining saidnanofibers
US2011027164 A1 20110203	KR20060027795; KR20070013553; US20070723785; US20100822662;	KOREA ENERGY RESEARCH INST;	D01F9/12;	Method and apparatus for synthesizing carbon nanotubes usingultrasonic evaporation
US2011038787 A1 20110217	US20090223232P ;US20100831008;	TECHNOLOGY TRANSFER OFFICE UNIVERSITY OF MANITOBA;	D01F9/12;	Partition and transportation of encapsulated atoms

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US7879308 B1 20110201	US20000528259; US20030424336; US20030511787P; US20040559745 P;US2004096192 9;US20050098247 ;	UNIV CENTRAL FLORIDA RES FOUND;	D01F9/12;	Multiwall carbon nanotube field emitter fabricated by focused ion beam technique
US2011038786 A1 20110217	US20050658502P; US20060368581; US20100652292;	UNIV NORTHWESTERN;	D01F9/12;	Separation of carbon nanotubes in density gradients
US2011274611 A1 20111110	US20080114679P; US200913128420 ;WO2009US63947 ;	UNIV TEMPLE;	D01F9/12;	Purification of single walled carbon nanotubes by dynamic annealing
US2011117316 A1 20110519	US20050220454; US20100968224;		D01F9/12; B01J19/00; B32B5/12; B29C65/00;	Method and apparatus for growing fullerene nanotube forests, and forming nanotube films, threads and composite structures therefrom
US2011165058 A1 20110707	US20090264969P; US20100955599;	UNIV CASE WESTERN RESERVE;	D01F9/12; B01J23/755;	Growth of single-walled carbon nanotubes
US2011086464 A1 20110414	US20090250827P; US20100902392;	UNIV TEXAS;	D01F9/12; B05D5/12; H01L51/48;	Tuning of Fe catalysts for growth of spin-capable carbon nanotubes
US2011117365 A1 20110519	JP20040219346;J P20040333683;JP 20050063704;US2 0070658577;US20 100945073;WO20 05JP14239;	NAT INST OF ADVANCED IND SCIEN;	D01F9/12; B32B9/00;	Single-walled carbon nanotube and aligned single-walled carbon nanotube bulk structure, and their production process, production apparatus and application use

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US2011020211 A1 20110127	US20080068527P ;US20090921257; WO2009US36533;	UNIV TOLEDO;	D01F9/12; B82B3/00; C23C16/00; C23C16/455;	High throughput carbon nanotube growth system, and carbonnanotubes and carbon nanofibers formed thereby
US2011033366 A1 20110210	US20040025717; US20040887695; US20050173419; US20070931901; US20100906789;		D01F9/12; C01B31/04; C01B31/02;	Reactant liquid system for facilitating the production of carbonnanostructures
US2011059006 A1 20110310	US20050671001P ;US20060404142; US20100880862;	CONTINENTAL CARBON CO;	D01F9/12; C01B31/06; C01B31/02;	Methods for production of carbon nanomaterials in the presenceof a carbon black catalyst
EP2271586 A1 20110112	US20080043514P ;WO2009US39737 ;	RIEHL JOHNSON HOLDINGS LLC;	D01F9/12; C01B31/20;	Method for production of carbon nanostructures
US2011110842 A1 20110512	US20090185952P ;US20100813239; US20100969534;		D01F9/12; C07C309/29; C07C211/01; C07C63/42; C07D307/12; B01D11/02;	Continuous extraction technique for the purification of carbonnanomaterials
US2011008240 A1 20110113	JP20080043304; WO2009JP53265;	UNIV SHIZUOKA NAT UNIV CORP;	D01F9/12; C09K3/00;	Process and apparatus for producing carbon nanotube, carbonnanotube fiber, and the like
AU2010257117 A1 20110811	US20090155935P ;WO2010US25668 ;	APPLIED NANOSTRUCTURED SOLS;	D01F9/12; C23C16/00;	Low temperature cnt growth using gas-preheat method
ES2353147T T3 20110225	FR20040011604;	CENTRE NAT RECH SCIENT;	D01F9/12; D01F1/10; D01D5/00;	Fibras de materiales compuestos que comprenden al menosnanotubos de carbono, su procedimiento de obtencion y sus aplicaciones.

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US2011127472 A1 20110602	JP20070040103;J P20070173564;W O2008JP52697;		D01F9/12; H01B1/04; H01B1/24;	Carbon nanotube assembly and electrically conductive film
US2011198559 A1 20110818	US20070897118P ;US20080008992; US201113093597;	ST MICROELECTRONICS ASIA;	D01F9/12; H01L21/336; H01L21/208; H01L29/08; B06B1/20;	Cnt devices, low-temperature fabrication of ctn and cntphoto-resists
US2011280794 A1 20111117	US20100333327P ;US201113105698 ;	SOLARNO INC;	D01F9/127;	Apparatus and method for substrate and gas heating during chemicalvapor deposition nanotube synthesis

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US2011086781 A1 20110414	US19970040152P; US19970047854 P; US1997005503 7P; US199700636 75P; US19970064 531P; US1997006 7325P; US199903 80545; US2001003 3470; US20060508 092; WO1998US04 513;	UNIV RICE WILLIAM M;	D01F9/127; B01J8/06; H01M10/0525; H01M4/583; G01Q70/06; B82B3/00; H01L31/0352; H01M10/36; H01L31/18; B01J19/12; B01L7/00; H01L31/06; C01B31/02; H01M4/62; B01J19/08; H01G9/20; H01M4/587; D01F9/12; B05D3/10; B01J19/10; H01M4/58; H01M4/133; G11C13/02; G01Q70/12;	Method for forming composites of sub-arrays of fullerene nanotubes
EP2301992 A1 20110330	WO2008JP62486;	MEFS KABUSHIKI KAISHA; NISSIN KOGYO KK;	D01F9/127; B82Y30/00; C01B31/02; C08J5/04; C08J5/00;	Process for producing carbon nanofiber, carbon nanofiber, process for producing carbon fiber composite material from carbon nanofiber, and carbon fiber composite material
EP2290139 A1 20110302	EP20070869060; US20070619327;	APPLIED NANOSTRUCTURED SOLS;	D01F9/127; D01F9/12; D01F11/12;	Cnt-infused fiber and fiber tow

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EP2301993 A1 20110330	WO2008JP62489;	MEFS KABUSHIKI KAISHA;NISSIN KOGYO KK;	D01F9/127; D01F9/133; C01B31/02; C08J5/00;	Carbon nanofiber, process for producing the same, and carbon fiber composite material
JP2011190172 A 20110929	US20030500130P ;US20030658711;	HONDA MOTOR CO LTD;	D01F9/133; C23C16/04; B82Y30/00; D01F9/127; B82Y40/00; C23C16/26; C01B31/02;	Method for manufacturing one-dimensional carbon nanostructure
EP2351879 A1 20110803	EP20110163585; US20040819916;	RES TRIANGLE INST;	D01H7/00; D01D5/00; D01D5/18; D04H3/00;	Fibrous structure
US2011143137 A1 20110616	US20070948971P ;US20070987547 P;US2008066819 3;WO2008US6938 4;	UNIV CALIFORNIA;	D02G1/00; C09K11/08; H01L23/00;	Composite nanorods
US2011061891 A1 20110317	US20090212409P ;US20100757673;	RENSSELAER POLYTECH INST;	D02G3/00; B05D3/02; B32B3/26; C08L63/00; H01B3/30;	Diblock copolymer modified nanoparticle-polymernanocomposites for electrical insulation
US2011305903 A1 20111215	US20100397454P ;US201113157758 ;	RENNSELAER POLYTECHNIC INST;	D02G3/00; B32B9/04; B29C47/04;	Sheathed nanotube fiber and method of forming same
US2011184657 A1 20110728	CN20081301725;	HON HAI PREC IND CO LTD;	D02G3/00; G06F19/00;	Hydrogen sensor

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US2011244235 A1 20111006	US20100320965P ;US201113080165 ;		D02G3/16; C03C25/22; D02G3/22; C30B25/04;	Growth process for gallium nitride porous nanorods
US2011183140 A1 20110728	US20100297406P ;US201113009114 ;	UNIV MARYLAND;	D02G3/36; B05D3/06;	Method for polymer coating and functionalization of metalnanorods
US2011206932 A1 20110825	US20090254431P ;US20100910759;	SHOWA DENKO KK;TOKYO INST TECH;	D02J3/00; C01B31/00; D01F9/12;	Surface-modified carbon nanotube and production method thereof
EP2365117 A1 20110914	EP20060851553; US20050703328P ;	NANOCOMP TECHNOLOGIES INC;	D04H1/72; D04H1/74; D04H1/44;	Apparatus and method for formation and collection of nanofibrousnon-woven sheet
US2011123757 A1 20110526	US20090262949P ;US20100293791 P;US2010031038 9P;US201003545 88P;US20100370 529P;US2011098 6252;WO2010US5 7477;	WARWICK MILLS INC;	D04H11/00; B32B37/00; D04H13/00;	Breathable chembio protection fabric with carbon nanotubephysical pathogen barrier
EP2314739 A1 20110427	EP20090173852;	KIM GYEONG-MAN;	D04H3/011; D04H1/435; D04H3/02; D04H1/728; A01K11/00; D01D5/00; D04H3/016;	Anti-migration casing for transponders

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EP2368932 A1 20110928	EP20040809447; US20030478936P; US20030490556P;	UNIV RICE WILLIAM M;	D06M11/74; D06M11/52; C08K9/04; D06M23/06; C08J5/00; D06M15/55; D06M13/11; C08J5/10; B29B15/10; D06M11/09; D06M13/196; C08J5/06; C09K9/02; C08K7/24; C01B31/02; D06M13/148;	Fabrication of carbon nanotube reinforced polymer composites
CN102217651 A 20111019	CN20101148635;	HUNAN DOHIA TEXTILE TECHNOLOGY CO LTD;	D06M11/83; A01N25/04; A01P1/00; A01N59/16;	Method for preparing inorganic aromatic nano-antibacterial agentand antibacterial fabrics
CN101960061 A 20110126	DE200810013518; WO2009EP52173;	SIEMENS AG;	D06M11/83; C23C14/56; C23C14/14; D02G3/44;	Strand-like material composite with cnt yarns and method for themanufacture thereof
CN102099403 A 20110615	US20080081554P; WO2009EP59247;	NANOCYL S A;UNIV LEUVEN KATH;	D06M13/513; C08J5/10; D06M15/643; C09D171/10; D06M15/53; C08J5/24; D06M11/74; C08J5/06;	Method for the preparation of a reinforced thermoset polymer composite

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TW201120274 A 20110616	FR20090053506;	ARKEMA FRANCE;CENTRE NAT RECH SCIENT;	D06M15/333; H01B5/12;	Method of manufacturing a multilayer conductive fibre bycoating- coagulation
EP2303770 A2 20110406	US20080077080P ;WO2009US490263	3M INNOVATIVE PROPERTIES CO;	D06M23/08; A01N59/16; B01D69/14; D06M16/00; D06M10/00; A61L2/238; D06M11/83; B22F1/00; C08J7/06; B22F9/02; B01D67/00; D06M10/06; B82B3/00;	Method for in situ formation of metal nanoclusters within a porous substrate field
CN101960070 A 20110126	KR20070056616; WO2007KR03445;	NANOPOLY CO LTD;	D21H13/00;	Manufacture method of wet-tissue with antimicrobial and anti- fungusfunction
US2011253330 A1 20111020	US20100325009P ;US201113089013	UNIV FLORIDA STATE RES FOUND;	D21H27/00; D21H27/36;	Fire and smoke retardant composite materials
CN202055365U U 20111130	CN20112085153U ;	LINGNAN LANDSCAPE CO LTD;	E04B2/00; F21V31/00; A01G9/02; E04B2/74;	Ecological wall
WO2011062880 A2 20110526	US20090262423P ;US20100320091 P;US2010039090 5P;	3M INNOVATIVE PROPERTIES CO;BAI FENG;JING NAIYONG;	E04F13/00; C09D7/12; C09D175/04; B05D5/06; C09D5/33;	Protective coatings and methods of making and using the same

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US2011151154 A1 20110623	US20060344983; US201113039666;	MOMENTIVE PERFORMANCE MAT INC;	E06B3/66;	Insulated glass unit with sealant composition having reduced permeability to gas
US2011162837 A1 20110707	US20040570601P ;US20050125465; US20060815693P ;US20060845916 P;US2007067901 8;US20070755581 ;US20070849820; US20070931501; US20070931706; US20080111361; US20080180111; US20100766364; US20100971557; US20110986451;	BAKER HUGHES INC;	E21B43/00;	Filtration of dangerous or undesirable contaminants
US2011108270 A1 20110512	US20040570601P ;US20050125465; US20060845916P ;US20070679018; US20070849820; US20070931501; US20070931706; US20080111361; US20080180111; US20090288761P ;US20100766364; US20100971557;	BAKER HUGHES INC;	E21B43/02;	Re-use of surfactant-containing fluids

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US2011105367 A1 20110505	US20040640965P; US20050323031; US20100870076; US20100980510;	SUN DRILLING PRODUCTS CORP;	E21B43/04;	Thermoset nanocomposite particles, processing for their production, and their use in oil and natural gas drilling applications
FR2960904 A1 20111209	FR20100054431;	SNECMA;	F01D5/18; F01D9/02;	Wall element for metal part i.e. Movable blade, of gas turbine engine of turbomachine, has two faces, where one of two faces includes nanotube layer and is arranged in contact with coolant of wall element
EP2390467 A1 20111130	EP20100005659;	SIEMENS AG;	F01D5/28;	Protective coating for reducing drop impact erosion
EP2365877 A1 20110921	EP20080169238;E P20090756719;U S20080115245P; WO2009EP65300;	UNIV DENMARK TECH DTU;	F01N3/20; B01D53/86; C07C45/29; B01J37/03; B01J35/10; B01J35/00; C07C51/215;	Nanoparticulate metal oxide/anatase catalysts
WO2011107996 A1 20110909	WO2010IN00123;	BALAKRISHNAN KOMARAKSHI RAJAGOPALAN; SECRETARY DEPT OF ATOMIC ENERGY GOVT OF INDIA; YAKHMI JATINDER VIR; YUSUF SEIKHMOHAMMAD;	F04B43/02; A61M1/10; A61F2/00; B81C1/00;	A flexible magnetic membrane based actuation system and devices involving the same.
US2011036431 A1 20110217	US20090540875;	UNIV KOREA RES & BUS FOUND;	F15C1/04; B81B7/02; F15C1/06; B81B3/00;	Activatable nanoparticle composite valve
EP2311922 A1 20110420	JP20080181871;J P20080181872;W O2009JP62619;	KITZ CORP; NISSIN KOGYO KK;	F16J15/10; D01F9/127; C09K3/10; C01B31/00; D06M11/34;	Sealing member for piping material having excellent chlorine resistance, method for producing sealing member for piping material having excellent chlorine resistance, sealing member for piping material having excellent oil resistance, and piping material

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US2011309237 A1 20111222	US20100357429P ;US20100910664;	HARVARD COLLEGE;ZENA TECHNOLOGIES INC;	F21K99/00; B05D1/32; G01J1/42; B05D5/00; C23F1/00; G02B5/22; G01J3/51; B32B5/08;	Light absorption and filtering properties of vertically oriented semiconductor nano wires
CN102090379 A 20110615	CN20101579076;	SHENGSI SENXING ELECTRICAL APPLIANCE MANUFACTURE CO LTD;	F21V29/00; A01K80/00; F21V31/00;	Sleeve-fish attraction lamp
US2011242817 A1 20111006	US20100320431P ;US20100979529;	GE LIGHTING SOLUTIONS LLC;	F21V29/00; B05D1/12;	Lightweight heat sinks and led lamps employing same
US2011163280 A1 20110707	US20060513484; US20070439152; US201113050380; WO2007GB03239 ;	CAMBRIDGE ENTPR LTD;	F21V9/00;	Optical nanomaterial compositions
US2011155971 A1 20110630	US20090286229P ;US20100967922;	NEVADA SYSTEM OF HIGHER EDUCATION BOARD OF REGENTS;ON BEHALF OF THEUNIVERSITY OF NEVADA RENO;	F21V9/00; C01G23/04;	Hydrothermal synthesis of nanocubes of sillenite type compoundsfor photovoltaic applications and solar energy conversion of carbon dioxide to fuels
US2011015297 A1 20110120	EP20070150289; WO2008EP67366;	BASF SE;	F21V9/06; C08K5/3492; C08K5/17;	Nano structured uv absorbers
US2011217230 A1 20110908	EP20050001910; US20070815162; US201113042762; WO2006EP50423;	BASF AG;	F23D99/00; C01G49/06;	Method for producing nanoparticulate solid materials

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US2011091831 A1 20110421	US20030529724P; US20040568457 P;US2004084040 9;US20070687496 ;US20100970517;	QUANTUMSPHERE INC;	F27D15/02;	Method and apparatus for forming nano-particles
TWI336762B B 20110201	US20040978444;	IBM;	F28D17/02;	Conducting liquid crystal polymer matrix comprising carbonnanotubes, use thereof and method of fabrication
US2011155355 A1 20110630	TW20090145478;		F28F13/18; B05D3/02; C23C16/44; B05D3/12;	Heat-dissipation unit coated with oxidation-resistant nano thinfilm and method of depositing the oxidation-resistant nano thin film thereof
EP2295376 A2 20110316	EP20020806481; US20010032207; US20010036332;	BATTELLE MEMORIAL INSTITUTE;	F28F21/02; C23C8/80; C23C8/02; B01J37/02; B01J35/04; C23C28/00; B01J21/18; B01J31/06; C07C1/04; B01J20/20; B01J23/86; C23C26/00; B01J20/32; C04B41/89; B01J19/00; B01J35/10; C01B31/02; C10G2/00; C04B41/52; B01J23/889;	Carbon nanotube-containing structures, methods of making, andprocesses using same

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US2011026039 A1 20110203	US20070951002P; US20080175258; US20100906742;	MOLECULAR IMPRINTS INC;	G01B11/26;	Alignment system and method for a substrate in a nano-imprint process
US2011055985 A1 20110303	DE200710060460; WO2008EP67253;	SYNCHROTRON SOLEIL;UNIV CALIFORNIA;UNIV ILMENAU TECH;	G01B11/30; G01Q60/24; G01Q20/04; G01Q30/02; G01Q60/06; G01J3/44;	Device and method for an atomic force microscope for the study and modification of surface properties
US2011061452 A1 20110317	US20090558150;		G01B5/28;	Microcantilever with reduced second harmonic while in contact with a surface and nano scale infrared spectrometer
WO2011105847 A2 20110901	KR20100018010;	KANG CHI JUNG;KIM YU JIN;LEE KUN HO;SHIN SANG MO;UNIV CHOSUN IACF;	G01B5/28; G01N33/483; C12N5/09;	Apparatus for analyzing cancer cells using cell surface microstructure analysis
US2011043823 A1 20110224	DE200610039071; DE200610039073; WO2007EP07075;		G01B9/02; B23P11/00; G02B5/28;	Optical filter and method for the production of the same, and device for the examination of electromagnetic radiation
WO2011076968 A2 20110630	ES20100000017;	ARTEAGA BARRIEL ORIOLO;BARROSO BOIXADER FERRAN;BERTRAN SERRA ENRIC;CANILLAS BIOSCA ADOLF;JOVER COMAS ERIC;UNIV BARCELONA;	G01B9/02; G01N15/02;	System and method for the detection and characterisation of nanoparticles
US2011219635 A1 20110915	EP20040016571; US20070572046; US201113102469; WO2005EP07677;	UNI KASSEL;	G01D21/00;	Method of aligning a first article relative to a second article and an apparatus for aligning a first article relative to a second article
US7900527 B1 20110308	US20060876878P; US20070959706;	UNIV CENTRAL FLORIDA RES FOUND;	G01D7/02;	Electrically deflected nanomechanical sensors

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US2011123146 A1 20110526	WO2008US71780;		G01J1/04; H01S3/067; G02F1/025; G02B6/12;	Nano-wire optical block devices for amplifying, modulating, and detecting optical signals
US2011057118 A1 20110310	CN20091195288;	SHANGHAI KEYAN PHOSPHOR TECHNOLOGY CO LTD;	G01J1/58;	Method of indirect emission by nano-materials
US2011127445 A1 20110602	US20060829768P; US20070445904; WO2007SG00352;	UNIV SINGAPORE;	G01J1/58;	Upconversion fluorescent nano-structured material and uses thereof
FR2950425 A1 20110325	FR20090004530;	COHEN SABBAN YOUSSEF;	G01J3/00; G01B11/14;	Three-dimensional contactless nanotopography method for measurement of altitude of nanostructured object in e.g. Micro-optical field by interferometric altitude sensor, involves fixing reference surface and inspected object with each other
WO2011050272 A2 20110428	US20090279588P; US20100352654 P; US2010036724 6P;	ADATO RONEN;AKSU SERAP;ALTUG HATICE;ARTAR ALP;ERRAMILLI SHYAMSUNDER;HUANG MIN;UNIV BOSTON;YANIK AHMET ALI;	G01J3/02; G01J3/44;	Nanoantenna arrays for nanospectroscopy, methods of use and methods of high-throughput nanofabrication
WO2011091793 A1 20110804	DE201010006773;	ENG LUCAS M;FRAUNHOFER GES FORSCHUNG;HAERTLING THOMAS;KULLOCK RENE;	G01J3/02; G01N21/65; G02B5/20; G01J3/44; G01J3/18; B82Y15/00; G01J3/36;	Wavelength-sensitive plasmonically active module for detecting light in a spectrally resolved manner
US2011007386 A1 20110113	US20080080097P; US20090501068;	UNIV UTAH RES FOUND;	G01J3/10;	Transmission microscopy using light emitted from nanoparticles
US2011267609 A1 20111103	US20100771824;		G01J3/44;	Apparatus for performing sers

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US2011267607 A1 20111103	US20100771753;		G01J3/44;	Enhancing signals in surface enhanced raman spectroscopy (sers)
WO2011119589 A1 20110929	US20100316284P ;	CABOT SECURITY MATERIALS INC;DOERING WILLIAM E;FREEMANRICHARD GRIFFITH;NATAN MICHAEL J;PIOTTI MARCELO EDUARDO;	G01J3/44;	Wavelength selective sers nanotags
WO2011014176 A1 20110203	WO2009US52308;	FATTAL DAVID A;HEWLETT PACKARD DEVELOPMENT CO;KOBAYASHI NOBUHIKO;KUO HUEI PEI;LI JINGJING;LI ZHIYONG;WANG SHIH-YUAN;	G01J3/44;	Nanowire-based systems for performing raman spectroscopy
WO2011005253 A1 20110113	WO2009US49911;	FATTAL DAVID A;HEWLETT PACKARD DEVELOPMENT CO;LI JINGJING;LI ZHIYONG;WANG SHIH- YUAN;	G01J3/44;	Light amplifying devices for surface enhanced raman spectroscopy
CN101952697 A 20110119	US20070984859P ;WO2008US82266 ;	UNIV CALIFORNIA;	G01J3/44;	Real-time, single-step bioassay using nanoplasmonic resonatorwith ultra-high sensitivity
US2011102795 A1 20110505	US20090275133P ;US20100807040;		G01J3/46; G01N25/00; G02B5/23;	Carbon nanotube/polydiacetylene composites
US7935930 B1 20110503	US20090497660;		G01J5/02;	Coupling energy from a two dimensional array of nano- resonantingstructures
KR20110074605 A 20110630	US20080106961P ;	HEWLETT PACKARD DEVELOPMENT CO;	G01J5/20; G01J5/02;	Nanowire bolometer photodetector
US2011139970 A1 20110616	US20090285869P ;US20100966785;	UNIV ST LOUIS;	G01J9/00;	Nanoscale object detection using a whispering gallery moderesonator

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WO2011131724 A1 20111027	FR20100053041;	COMMISSARIAT ENERGIE ATOMIQUE;COMMUNAL DANIEL;REISS PETER;	G01K11/20; G01K11/32;	Method and device for measuring temperatures using semiconductingnanocrystals
US2011216804 A1 20110908	US20060834052P;US20060834253 P;US2006083428 8P;US200708306 12;US2011131106 84;	CALIFORNIA INST OF TECHN;	G01K17/00;	Polymer nems for cell physiology and microfabricated cellpositioning system for micro-biocalorimeter
US2011051775 A1 20110303	US20090547562;	UT BATTELLE LLC;	G01K7/02; G01K7/00; G01K13/00; G01L9/00;	Carbon nanotube temperature and pressure sensors
EP2310820 A1 20110420	IT2008SA00022; WO2009IB53426;	UNIV DEGLI STUDI SALERNO;	G01K7/18; G01K7/22;	Freestanding carbon nanotube networks based temperature sensor
CN102175755 A 20110907	CN20111037965;	UNIV XIAN JIAOTONG;	G01K7/40; B81C1/00; G01N27/70;	Carbon nanotube film micro-nano ionizing sensor andmanufacture method thereof
WO2011079390 A1 20110707	US20090291183P;	BEAUVAIS JACQUES;BOISSY PATRICK;COMMERCIALISATION DES PRODUITS DE SOC D;GENEST JONATHAN;SAUVE ANNICK;	G01L1/00; A61B5/00; G01L1/18; G01D5/12; G01B1/00; G01B7/16;	Carbon nanotubes based sensing elements and system formonitoring and mapping force, strain and stress
CN102134052 A 20110727	CN20101023095;	SHANGHAI INST MICROSYS & INF;	G01L1/18; B81C1/00; B81B7/02;	Mis capacitor lower piezoresistance structure adopting substrate gridand making method

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DE102010012701 A1 20111117	DE201010012701;	BUNDESREP DEUTSCHLAND;TECH UNI CAROLO WILHELMINA ZU BRAUNSCHWEIG;	G01L1/22; G01L5/16; G01Q20/04; G01L1/18; B81B3/00; G01L1/04;	Microforce sensor for measuring micro forces at nano range andmilli newton range, has spring region provided between two support regions and stiffener marking unit, respectively, where spring regions comprise two-winged meander shape
US2011179883 A1 20110728	US20050711937P; US20060467422; US201113026122;	UNIV CALIFORNIA;	G01L5/00;	Tunable multiwalled nanotube resonator
RU2434210 C1 20111120	RU20100134281;	BELOZUBOV EVGENIJ MIKHAJLOVICH;BELOZUBOVA NINA EVGEN EVNA;VASIL EV VALERIJ ANATOL EVICH;	G01L7/00; B81C1/00; B82B1/00;	Method of stabilising nano- and micro-electromechanical systemof fine-film tensoresistor pressure sensor
CN102175381 A 20110907	CN20111058075;	UNIV SHANGHAI JIAOTONG;	G01L9/00; B81C1/00; B81B7/00;	Pressure sensor and preparation method thereof based on compositeplating of carbon nano tube and metallic copper
DE10200905629 6 A1 20110609	DE200910056296;	BATTENBERG GUENTHER;TU DARMSTADT;	G01L9/04; G01L1/20; G01L1/18;	Sensor for mechanical pressure-measurement of surface, hasmetallization layer designed in form of contact points connected to evaluation logic that is arranged for evaluating change of electrical conductivity of monolithic structure
US2011200948 A1 20110818	US20100707731;		G01N1/28; C23F1/00; G03F7/20;	Method of fabricating micro-devices
EP2300799 A2 20110330	US20080131205P; WO2009US45841;	VENTANA MED SYST INC;	G01N1/30;	Compositions comprising nanomaterials and method for using suchcompositions for histochemical processes
US2011044857 A1 20110224	TW20090127852;		G01N1/31; G01N30/00;	Method for fabricating a biosensor chip and the biosensor chip madethereby
US2011203357 A1 20110825	US20100660266;		G01N13/00;	Dynamic power control for nanoscale spectroscopy

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US2011053284 A1 20110303	US20070928158P; US20070928160P; US20070928260P; US20080599440; WO2008US63066;	UNIV BOSTON;	G01N21/00; B32B5/16; G01N27/00; G01N21/76; C40B40/00;	Chemical functionalization of solid-state nanopores andnanopore arrays and applications thereof
US2011236315 A1 20110929	US20100316659P; US201113069458;		G01N21/00; C08G73/00; A61K49/00;	Ligands for semiconductor nanocrystals
WO2011022020 A1 20110224	WO2009US54605;	HALLIBURTON ENERGY SERV INC; JONES CHRISTOPHER M;	G01N21/01;	Nanofiber spectral analysis
CA2768873 A1 20110127	US20090227893P; WO2010CA01139;	INSIGHT NANOFLUIDICS INC;	G01N21/05; G01N23/20; G01N23/00; G01N29/22; G01N1/00; G01Q30/20; H01J37/26; H01J37/20;	Nanofluidic cell
US2011088453 A1 20110421	FR20090057377;	COMMISSARIAT ENERGIE ATOMIQUE;	G01N21/17; C23F1/00;	Photoacoustic gas detector
US2011205527 A1 20110825	US20100660266; US20100927248;	ANASYS INSTR INC;	G01N21/35;	Dynamic power control, beam alignment and focus for nanoscalespectroscopy
CN102047098 A 20110504	US20080042154P; WO2009US02123;	QD VISION INC;	G01N21/63;	Light-emitting device including quantum dots
CA2778283 A1 20111215	US20100801503; US20100805411; WO2011CN75598;	IND TECH RES INST;	G01N21/63; B82B1/00; C12Q1/68;	Apparatus for single-molecule detection

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WO2011072228 A1 20110616	US20090285770P;	HELLER DANIEL A;MASSACHUSETTS INST TECHNOLOGY;STRANOMICHAELS;	G01N21/64;	Spectral imaging of photoluminescent materials
EP2356430 A1 20110817	EP20080171127;EP20090796354;US20080121118P;WO2009EP66737;	IMEC;UNIV LEUVEN KATH;	G01N21/64;	Single molecule optical spectroscopy in solid-state nanopores in a transmission-based approach
EP2300807 A1 20110330	WO2008EP05330;	MAX PLANCK GESELLSCHAFT;	G01N21/64;	A method, an apparatus, chemical kits and a program for analyzing the distribution of different types of nanostructures and/or sub-nanostructures in a sample
WO2011161414 A1 20111229	GB20100010768;	CHEN RONGSHENG;FARMERY ANDREW;HAHNCLIVE;ISIS INNOVATION;OBEID ANDREW;	G01N21/64; A61B5/1455; G01N21/77; A61B5/1459; B82Y30/00; G01N31/22; G01N33/49; B82Y15/00;	Analyte sensor
CN102147366 A 20110810	CN20101610808;	UNIV FUDAN;	G01N21/64; B81B1/00;	Super-hydrophobic biochip and optical testing method therefor
KR20110057141 A 20110531	US20080129994P;	AGENCY SCIENCE TECH & RES;	G01N21/64; B82B3/00; C09K11/58; B82B1/00;	Methods, compositions, and articles comprising stabilized goldnanoclusters
WO2011117847 A1 20110929	EP20100290158;	BLAZQUEZ SAMANTHA;DRAGAVON JOSEPH;PASTEUR INSTITUT;ROGERS KELLY;SHORTE SPENCER L;	G01N21/64; B82Y15/00;	Method to increase the number of detectable photons during the imaging of a biological marker

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CA2782009 A1 20110603	CH20090001824; WO2010IB55305;	ECOLE POLYTECH;	G01N21/64; G01N21/05;	Nanofluidic biosensor and its use for rapid measurement of biomolecular interactions in solution and methods
US2011309265 A1 20111222	US20100325543P; US201113089547;	HARVARD COLLEGE;	G01N21/64; G01Q60/38; C23C14/34;	Diamond nanowires
EP2278301 A1 20110126	EP20050801542; GB20040024458; GB20050001342; GB20050008964;	RENISHAW DIAGNOSTICS LTD;	G01N21/65; G01N21/55;	Metal nano-void photonic crystal for enhanced raman spectroscopy
WO2011117260 A1 20110929	EP20100157261;E P20100157445;	IMEC;LODEWIJKS KRISTOF;PANASONIC CORP;SHIOI MASAHIKO;UNIV LEUVEN KATH;VAN DORPE POL;YE JIAN;	G01N21/65; G01N33/487;	Methods and systems for surface enhanced optical detection
CN102066941 A 20110518	KR20080042374; KR20090039472; WO2009KR02399;	SEOUL NAT UNIV IND FOUNDATION;	G01N21/65; G01N33/58;	Novel au / ag core-shell composite useful for biosensor
EP2352011 A1 20110803	JP20080278159; WO2009JP68371;	PANASONIC ELEC WORKS CO LTD;	G01N21/66; G01N21/63;	Detecting element, detector, and oxygen concentration analyzer
CN102169088 A 20110831	CN20101619663;	HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA;	G01N21/66; G01N21/63; B81C1/00;	Monomolecular detection method
US2011263456 A1 20111027	DE200410058924; US20070759268; US20100880441; US201113158116; WO2005EP13066;	ROCHE DIAGNOSTICS OPERATIONS;	G01N21/75;	Test element with nanofibers
US2011257033 A1 20111020	US20100325599P; US201113090199;		G01N21/75; C40B30/04; C12Q1/70; G01N33/53;	Polymer-nanostructure composition for selective molecular recognition

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KR20110015513 A 20110216	US20080126892P; US20080127311 P;	UNIV TEXAS;	G01N21/76; C09K11/07; G01N21/66;	Luminescent nanostructured materials for use in electrogeneratedchemiluminescence
US2011207232 A1 20110825	US20090177737P; US20100326596 P;US2010077879 8;	UNIV UTAH RES FOUND;	G01N21/76; G01N21/00; B23P17/04;	Water soluble ph responsive fluorescent nanoparticles
CA2732808 A1 20110824	US20100712048;	ITT MFG ENTERPRISES INC;UNIV VANDERBILT;	G01N21/77; G01D5/32;	Optical sensors including surface modified phase-change materials for detection of chemical, biological and explosive compounds
US7947952 B1 20110524	US20010274501P; US20010287677 P;US2002009384 2;US20070728744 ;	GEN NANOTECHNOLOGY LLC;	G01N23/00;	Nanomachining method and apparatus
US2011081724 A1 20110407	US20090249042P; US20100899201;	MASSACHUSETTS INST TECHNOLOGY;	G01N23/00;	Method and apparatus for determining radiation
US2011250146 A1 20111013	US20080043596P; US20100901271; WO2009US40114;	HUTCHINSON FRED CANCER RES;UNIV WASHINGTON;	G01N24/08; C07K17/00; G01N21/64; C07K17/14; A61K49/14; A61P43/00;	Magnetic nanoparticle and method for imaging t cells
WO2011103415 A1 20110825	US20100306167P ;	HARVARD COLLEGE;O'GRADY MEGAN;PARKER KEVIN KIT;	G01N25/18;	Electromechanical systems including biochemical actuator heads
WO2011080524 A1 20110707	GB20100000643; US20100292003P ;	CARTER TIMOTHY JOSEPH NICHOLAS;ROSS STEVENANDREW;VIVACTA LTD;	G01N25/20; G01N33/58;	A method for sensing a chemical
WO2011047582 A1 20110428	CN20091154046;	CHEN HONGZHENG;SHI MINMIN;UNIV ZHEJIANG;WANG MANG;WU GANG;XU MINGSHENG;	G01N27/00;	Nanopore electrical sensor

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US2011236260 A1 20110929	KR20100026632;	IAC IN NAT UNIV CHUNGNAM;	G01N27/00;	Digital barcode nano-wire and system for bio-sensing using the same
US2011189783 A1 20110804	US20100698958;	NOKIA CORP;	G01N27/00;	Apparatus and associated methods
US2011177606 A1 20110721	IL20090199354;U S20080076970P; US200913001972; WO2009IL00656;	YISSUM RES DEV CO;	G01N27/00; G01N33/22;	Detection of trinitrotoluene
US2011294117 A1 20111201	KR20100051972;	SAMSUNG ELECTRONICS CO LTD;	G01N27/02; G01N21/64; C12Q1/68; G01N27/00; G01N21/65;	Nucleic acid sequencing device and method of determining nucleotide sequence of target nucleic acid using the same
US2011151574 A1 20110623	US20080058525P ;US20100960341; WO2009US46157;	UNIV WASHINGTON;	G01N27/04; H01L29/66;	Detection of trace chemicals and method therefor
US2011279125 A1 20111117	US20100781514;	IBM;	G01N27/06; H01L21/02;	Fet nanopore sensor

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WO2011055298 A1 20110512	ES20090030969;	CLAESSENS NICOLAS YVES;CT DERECH PUBLIC GABRIEL LIPPMANN;DELGADO OLIVELLA MARC;DEMOISSON FREDERIC GILBERT MICHEL;FELTEN ALEXANDRE;GUILLOT JEROME;LEGHRIB RADOUANE;LLOBET VALERO EDUARD;MANSOUR ALI;MIGEON HENRI-NOEL;PIREAUX JEAN-JACQUES;RENIERS FRANCOIS AMAND BAUDOUIN;SENSOTRAN S L;UNI ROVIRA I VIRGILI;UNIV BRUXELLES;UNIV NAMUR;	G01N27/12;	Device for the selective detection of benzene gas, method of obtainingit and detection of the gas therewith
EP2340430 A1 20110706	FR20080056519; WO2009EP62562;	COMMISSARIAT ENERGIE ATOMIQUE;	G01N27/12;	Chemical sensors containing carbon nanotubes, method for makingsame, and uses thereof
EP2391885 A2 20111207	ES20090000334;ES S20090030050;ES 20100030102;WO 2010EP51206;	FUNDACIO PRIVADA INST DE RECERCA EN EN DECATALUNYA;UNIV BARCELONA;	G01N27/12;	Gas sensor, equipped with threadlike nanostructures, network of sensors and measurement method using said sensor
CN102257381 A 20111123	DE200810052645; WO2009EP07563;	NANOSCALE SYSTEMS NANOSS GMBH;	G01N27/12;	Electrochemical sensor and method for the production thereof
CN101973510 A 20110216	CN20101517073;	UNIV TIANJIN;	G01N27/12; B81C1/00;	Method for preparing gas-sensitive sensor element based on carbon nano tube microarray/tungsten oxide nano composite structure
US2011089051 A1 20110421	US20080033593P ;US20090920612; WO2009US01396;	MASSACHUSETTS INST TECHNOLOGY;	G01N27/12; G01N27/30; B05D5/12;	Devices and methods for determination of species including chemicalwarfare agents
CN202049130U U 20111123	CN20112115510U ;	UNIV SOUTHEAST;	G01N27/22; B81B7/02;	Capacitive relative humidity sensor based on graphene oxide

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CN102253091 A 20111123	CN20111098038;	UNIV SOUTHEAST;	G01N27/22; B81B7/02;	Capacitive relative humidity sensor based on graphene oxide
WO2011047240 A1 20110421	US20090251770P ;US20100296191 P;	BERGMAN LAWRENCE A;CHO HAN NA;MCFARLAND DMICHAEL;UNIV ILLINOIS;VAKAKIS ALEXANDER;YU MIN-FENG;	G01N27/26;	Mechanical nanoresonator for extremely broadband resonance
US2011129593 A1 20110602	KR20080074282; WO2008KR06309;		G01N27/26; B29C47/00;	Composition for glucose sensing comprising of nanofibrous membrane and method for manufacturing non-enzymatic glucose biosensor using the same
CN101982764 A 20110302	CN20101528358;	UNIV HUNAN;	G01N27/26; B81C1/00; C12Q1/68;	Composite membrane modified biosensor and preparation method and application thereof
CN102203618 A 20110928	US20080109669P ;WO2009US62826 ;	PEIXUAN GUO;	G01N27/26; C07K19/00; G01N33/68; C12Q1/68;	Membrane-integrated viral dna-packaging motor protein connector biosensor for dna sequencing and other uses
WO2011162582 A2 20111229	KR20100060664; KR20110061325;	KIM HYUN MI;KIM KI BUM;LEE MIN HYUN;SNU R&DB FOUNDATION;	G01N27/26; C12Q1/68;	Dna analysis device using nano pore structure, analysis method and pcr quantitative detecting device
WO2011119752 A2 20110929	US20100316487P ;	CHE YANKE;UNIV UTAH RES FOUND;ZANG LING;	G01N27/26; G01N27/414; B82B1/00; B82Y15/00;	Optoelectrical vapor sensing
US2011056845 A1 20110310	US20080006635P ;US20090864172; WO2009US31754;		G01N27/26; G01R27/08; B05D5/12; C12N13/00;	Insulated nanogap devices and methods of use thereof
CN102243207 A 20111116	CN20111098129;	UNIV FUDAN;	G01N27/28; B81C1/00;	Electrochemical sensor with nanometer concave-convex structure reformed on surface of electrode and preparation method of electrochemical sensor

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US2011290672 A1 20111201	DE201010021977;	DRAEGER SAFETY AG & CO KGAA;	G01N27/30;	Electrochemical gas sensor
EP2384433 A1 20111109	GB20080022733; WO2009GB02871;	UNIV WARWICK;	G01N27/30;	Nanotube electrochemistry
US2011042225 A1 20110224	AU20070906759; WO2008AU01830;	UNIV MONASH;	G01N27/30; G01N27/26; C25D9/02; B05D5/12;	Electrochemical nanocomposite biosensor system
WO2011133015 A2 20111027	MYPI20010001857;	BIEN CHIA SHENG;MIMOS BERHAD;MOHAMADBADARUDDIN SITI AISHAH;TEH AUN SHIH;	G01N27/40; B01D35/00;	Silicon nanowire based filter and method of fabricating thereof
CN102095768 A 20110615	CN20101547393;	UNIV ZHEJIANG;	G01N27/403; B82Y15/00;	Subnano-thickness nano hole sensor
GB2480719 A 20111130	DE201010021975; GB20110001060;	GER SAFETY AG & CO KGAA DR;	G01N27/403; G01N33/00; G01N27/407; G01N27/30;	Electrochemical gas sensor for detecting prussic acid
JP2011007793 A 20110113	US20090493811;	IBM;	G01N27/414;	Production method of nanofluidic field effect transistor basedon surface charge modulated nanochannel, and field effect transistor device
CN102150037 A 20110810	US20080080170P; WO2009US50157;	UNIV CORNELL;	G01N27/414; B82B3/00; G01N33/48; C12Q1/68; G01N27/00; G01N27/02;	Nanofluidic channels with integrated charge sensors and methodsbased thereon

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WO2011094597 A2 20110804	US20100300398P ;	BAI JINGWEI;DUAN XIANGFENG;HUANG YU;UNIV CALIFORNIA;	G01N27/414; B82Y10/00; H01L21/336; C01B31/02; B82B1/00;	Graphene nanomesh and method of making the same
EP2378559 A1 20111019	JP20090003628; WO2009JP07253;	ARKRAY INC;MITSUMI ELECTRIC CO;	G01N27/414; H01L29/06; H01L29/41; H01L21/336; H01L21/28; H01L29/786;	Field effect transistor, method for manufacturing same, and biosensor
WO2011007582 A1 20110120	JP20090169126;	CHIBA HITOSHI;HEALTH SCIENCES UNIVERSITY OFHOKKAIDO;HUI SHUPING;ISHII ATSUSHI;KUROSAWA TAKAO;MUKASA KOICHI;NAKAMURA MOTONORI;TAKEDA SEIJI;UNIV HOKKAIDO NAT UNIV CORP;	G01N27/416; G01N27/30;	Method for electric measurement of peroxide using cnt sensor
CN102046274 A 20110504	FR20080002523; WO2009FR00531;	COMMISSARIAT ENERGIE ATOMIQUE;	G01N27/44; B01D67/00;	Device for separating biomolecules from a fluid
US2011114486 A1 20110519	US20050723926P ;US20060543252; US201113005840;	MASSACHUSETTS INST TECHNOLOGY;	G01N27/447; B07C5/04; G01N27/453;	Continuous biomolecule separation in a nanofilter
US2011155574 A1 20110630	US20050668632P ;US20050688799 P;US2005072760 3P;US200603996 63;US2008021404 6;US20111304053 7;	HARVARD COLLEGE;	G01N27/447; G01N27/453;	Molecular characterization with molecular speed control

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US2011192723 A1 20110811	US20100658601;	GENIA TECHNOLOGIES INC;	G01N27/447; G01N33/50;	Systems and methods for manipulating a molecule in a nanopore
US2011120868 A1 20110526	US20080037647P; US20080083001 P; US2008010301 9P; US200909208 09; WO2009US37570;	UNIV ARIZONA;	G01N27/447; H05K3/02; H05K3/06;	Nanopore and carbon nanotube based dna sequencer and aserial recognition sequencer
CN102175757 A 20110907	CN20111040711;	UNIV XIAN JIAOTONG;	G01N27/70; B81C1/00;	Carbon nanotube film three-electrode sensor and manufacturingmethod thereof
WO2011154363 A2 20111215	US20100352248P;	ANDREUCCI PHILIPPE; CALIFORNIA INST OF TECHN; COLINET ERIC; COMMISSARIAT ENERGIE ATOMIQUE; DURAFFOURG LAURENT; ERNST THOMAS; MYERS EDWARD B; ROUKES MICHAEL L;	G01N29/02; B81B7/00; B81B7/04;	Analysis device including a mems and/or nems network
EP2361378 A1 20110831	FR20080057000; WO2009EP63347;	COMMISSARIAT ENERGIE ATOMIQUE;	G01N29/02; C23C16/27; G01N27/00; G01N33/543;	Gravimetric sensor having a sensitive layer containing a diamondnanopowder
EP2310831 A1 20110420	US20080077988P; US20090498238; WO2009US49726;	HYSITRON INC;	G01N3/42;	Digital damping control of nanomechanical test instruments
US2011265559 A1 20111103	US20100330120P; US201113099113;	HYSITRON INC;	G01N3/48;	2-d mems tribometer with comb drives
US2011005306 A1 20110113	US20060771560P; US20070672489; US20100886745;	HYSITRON INC;	G01N3/48;	Actuatable capacitive transducer for quantitativenanoindentation combined with transmission electron microscopy

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US7912653 B1 20110322	US20030463765P; US20040826153; US20050075364;	NANOSYS INC;	G01N31/00; C12Q1/68; G01N33/48;	Nanocrystal taggants
US8003055 B1 20110823	US20080038210;	UNIV CENTRAL FLORIDA RES FOUND;	G01N31/12; G01N31/22; G01N9/00; G01N31/00; G01N33/52; G01N21/75; G01N30/96; G01N7/00; G01N27/00; G01N33/00; G01N33/497; G01N21/00; G01J1/48;	Visual hydrogen detector with variable reversibility
US2011177602 A1 20110721	DE200710031533; DE200810030910; WO2008EP58288; WO2009EP57909;	ENDRESS & HAUSER CONDUCTS GES FURMESS UND REGELTECHNIK MBH & CO KG;	G01N31/22;	Composite structure
WO2011079296 A2 20110630	US20090289877P ;	CHE YANKE;UNIV UTAH;ZANG LING;	G01N31/22; G01N33/22; C07D471/06;	Photoconductive sensor materials for detection of explosive vapor
WO2011084641 A2 20110714	US20090287143P ;US20100298178 P;	KENNEDY IAN M;LAKSHMANA SUDHEENDRA;UNIV CALIFORNIA;	G01N31/22; G01N33/52; G01N33/58; G01N21/76;	Gold coating of rare earth nano-phosphors and uses thereof
US2011290008 A1 20111201	US20100349499P ;US201113149363 ;		G01N33/00;	Novel technique for uniformly applying analyte to a structured surface

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US7959873 B1 20110614	US20050701714P; US20060491394; US20060781986P; ;	CALIFORNIA INST OF TECHN;	G01N33/00;	Biological detection based on differentially coupled nanomechanical systems using self-sensing cantilevers with attonewton force resolution
US2011290003 A1 20111201	TW20100116786;	UNIV NAT CHENG KUNG;	G01N33/00; B05D5/12;	Gas sensor with a zinc-oxide nanostructure and method for producing the same
CN102001615 A 20110406	CN20101270604;	UNIV ZHEJIANG;	G01N33/00; B81C1/00;	Method for preparing high polymer nanofluidic chip
WO2011069743 A1 20110616	EP20090178381;	CASTRO MICKAEL;FELLER JEAN-FANCOIS;LUIZI FREDERIC;MEZZOLUCA;NANOCYLS A;UNIV BRETAGNE SUD;	G01N33/00; G01N27/12;	Electrochemical sensing method
US2011015872 A1 20110120	IL20080190475;W O2009IL00342;	TECHNION RES & DEV FOUNDATION;	G01N33/00; G06F15/18; G06F19/00; G01N27/00; G01N21/00;	Chemical sensors based on cubic nanoparticles capped with anorganic coating for detecting explosives
US2011237000 A1 20110929	US20100313028P; US201113065051; ;	AGENCY SCIENCE TECH & RES;UNIV NANYANG TECH;	G01N33/15; G01N27/00; G01N33/543;	Method for detecting an analyte molecule
EP2380019 A2 20111026	US20090205488P; US20090206960 P;WO2010US215 41;	CALIFORNIA INST OF TECHN;	G01N33/48;	Multipurpose analysis using second harmonic generating nanoprobe
CN102016570 A 20110413	US20070976774P; US20070976780 P;WO2008US785 02;	UNIV SOUTHERN CALIFORNIA USC S;	G01N33/48;	Methods of using and constructing nanosensor platforms

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US7917296 B1 20110329	US19990133521P ;US19990142809 P;US2000019102 6;	US ARMY;	G01N33/48;	Protein switches incorporating cytochrome c, cytochrome c3 and bovineserum albumen (bsa) monolayers and method for producing same
EP2311975 A1 20110420	EP20090172950;	IEE SARL;	G01N33/487; G01N27/447; C12Q1/68;	Electrophoretic biomolecules separation device
EP2281193 A1 20110209	US20080056841P ;WO2009IL00532;	TECHNION RES & DEV FOUNDATION;	G01N33/497;	Carbon nanotube structures in sensor apparatuses for analyzingbiomarkers in breath samples
WO2011162847 A2 20111229	US20100319369P ;	BELLAN LEON M;CRAIGHEAD HAROLD G;PARPIA JEEVAK M;SOUTHWORTH DARREN R;UNIV CORNELL;	G01N33/497; B81B7/02;	Stress-based sensor, method and applications
EP2388589 A1 20111123	EP20100163644;	IMEC;UNIV LEUVEN KATH;VIB;	G01N33/50;	Plasma membrane isolation
ES2362797T T3 20110713	US20050712432P ;	UNIV NORTHWESTERN;	G01N33/50;	Nanoarreglos de particulas biologicas, metodos para lafabricacion de los mismos.
CA2779099 A1 20110505	US20090256640P ;US20100374550 P;US2010038684 6P;WO2010US55 018;	UNIV NORTHWESTERN;	G01N33/50; A61K9/14; A61K31/7088; A61K9/50; A61K49/00;	Templated nanoconjugates
CN102119331 A 20110706	US20080059155P ;WO2009US46312 ;	LIFE TECHNOLOGIES CORP;	G01N33/50; G01N27/26; B82B3/00;	Activation and monitoring of cellular transmembrane potentials
AU2010236382 A1 20111103	US20090169665P ;US20090238052 P;WO2010US311 97;	ABRAXIS BIOSCIENCE LLC;	G01N33/53;	Prion-free nanoparticle compositions and methods

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EP2277045 A2 20110126	US20080044573P ;US20080141082 P;WO2009US405 52;	BANDGAP ENGINEERING INC;	G01N33/53;	Process for fabricating nanowire arrays
US2011275092 A1 20111110	CN20081226849; WO2008CN73882 ;	CHINESE ACAD INSP & QUARANTINE;	G01N33/53;	Method for detecting biological markers by an atomic force microscope
US2011256578 A1 20111020	US20070996387P ;US20080291927; US201113134417;	NAT UNIV CHUNG CHENG;	G01N33/53;	Detection method using nanoaggregate-embedded beads and system thereof
WO2011053901 A2 20110505	US20090256603P ;	DRAVID VINAYAK P;KLEIN WILLIAM L;SHARMA SAURABH;TOMITA TADANORI;UNIV NORTHWESTERN;VIOLA KIRSTEN L;	G01N33/53; A61K49/16; G01N27/72; G01N33/574;	Magnetic nanostructures as theranostic agents
WO2011017660 A2 20110210	US20090232242P ;	CHANG YING-LAN;JOHNSON BRADLEY N;JOSHI KANCHAN;NANOMIX INC;RADTKEY RAY;	G01N33/53; C01B31/02; G01N27/30; B82B3/00;	Magnetic carbon nanotube based biodetection
WO2011120048 A2 20110929	US20100317963P ;	BALASUBRAMANIAN SHANKAR;KAGAN DANIEL;MANESH KAKAYIL MANIAN;UNIV CALIFORNIA;WANG JOSEPH;WU JIE;	G01N33/53; C12Q1/68; G01N33/58;	Nanomotors and motion-based detection of biomolecular interactions
WO2011057017 A1 20110512	US20090258690P ;US20100316767 P;	BABCOCKWALTER C;BEND RES INC;CREW MARSHALL D;FRIESEN DWAYNE T;HAYDEN TANYA L;SMITHEY DANIEL T;	G01N33/53; G01N33/536;	Aqueous nanoparticle suspensions for use in drug discovery
WO2011047386 A1 20110421	US20090252711P ;	THORKELSSON KARI;UNIV CALIFORNIA;XU TING;ZHAO YUE;	G01N33/53; G01N33/543; C12Q1/68;	Direct hierarchical assembly of nanoparticles

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US2011197711 A1 20110818	US20020411804P; US20030665721; US20070778713; US20080033393; US201113081760;	UNIV TEXAS;	G01N33/531; G01N33/553; G01N33/53; C22B5/00; C40B30/04; G01N33/68; B22F9/18; G01N33/543;	Peptide mediated synthesis of metallic and magnetic materials
JP2011085590 A 20110428	US20000190766P;	MASSACHUSETTS INST TECHNOLOGY;NAVAL RES LAB;	G01N33/531; G01N33/566; G01N33/53; G01N33/543; C01B19/04; G01N33/551; G01N33/58;	Inorganic particle conjugate
EP2352028 A1 20110803	JP20080303998; WO2009JP69609;	KONICA MINOLTA MED & GRAPHIC;	G01N33/543;	Immunochromatographic medium and immunochromatographic method
EP2338053 A1 20110629	SE20080001959; WO2009EP61889;	MODPRO AB;	G01N33/543;	Detection method and device based on nanoparticle aggregation
ES2365079T T3 20110921	PT20060103561;	UNIV NOVA DE LISBOA;	G01N33/543;	Sistema de deteccion y cuantificacion de material biológicoconstituído por uno o mas sensores opticos y una o mas fuentes de luz, proceso asociado y aplicaciones relacionadas.
EP2274090 A1 20110119	US20080018774P; WO2009US30016;	LOCKHEED CORP;	G01N33/543; B82Y30/00; G03F7/00; B01J19/00;	Nano-getter device
WO2011022677 A1 20110224	US20090235921P;	HELLER DANIEL A;KIM JONG-HO;MASSACHUSETTS INST TECHNOLOGY;STRANO MICHAEL S;ZHANG JINGQING;	G01N33/543; G01N21/64;	Optical nanosensors comprising photoluminescentnanostructures

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US2011046004 A1 20110224	US20010296378P ;US20020165258; US20080194475; US20100772747;	GEN HOSPITAL CORP;	G01N33/543; G01N33/53; C40B30/04; A61K47/48;	Magnetic-nanoparticle conjugates and methods of use
ES2357477T T3 20110426	NO20050003373;	RIKSHOSPITALET HF;	G01N33/543; G01N33/533; G01N33/50; G01N33/58;	Partículas multicolor.
US2011033954 A1 20110210	US20060578405; US20100845177; WO2003US34897;	US GOVERNMENT;	G01N33/544; A61K39/00; A61K47/48;	Biofunctionalized quantum dots for biological imaging
AU2010207677 A1 20110908	WO2009EP00465; WO2010EP50820;	TETHIS S P A;	G01N33/551; C12Q1/68; B01L3/00; B01J19/00;	Functionalized microfluidic device for immunofluorescence
EP2351610 A2 20110803	EP20070852356; US20060786805P ;	INANOVATE INC;	G01N33/551; G01N33/543; B01J19/00;	Nano-particle biochip substrates
US2011045607 A1 20110224	US20090545093;	UNIV NAT TAIWAN;	G01N33/553;	Probe composite, method for manufacturing the same, method for using the same, and contrast agent including the same
WO2011115445 A2 20110922	KR20100024646; KR20110023941;	KIM SANG HYO;KYUNGWON UNIVERSITY INDUSTRY COLLABORATION FOUNDATION;	G01N33/553; B82Y15/00; G01N33/68; B82B3/00;	Biochip

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US2011124131 A1 20110526	KR20060045455; WO2007KR01865;	KOREA ADVANCED INST SCI & TECH;	G01N33/553; C12N1/15; C12N1/00; C12P3/00; B32B5/16; C12N1/16; B05D7/14; C12N1/21;	Method for preparing metal nanoparticle using metal bindingprotein
EP2271939 A1 20110112	US20080071035P ;WO2009US39951	BECTON DICKINSON CO;	G01N33/558;	Sensitive immunoassays using coated nanoparticles
US2011059467 A1 20110310	US20070946281P ;US20070990485 P;US2008066662 0;WO2008US6764 9;	MASSACHUSETTS INST TECHNOLOGY;	G01N33/566; C09K11/02;	Controlled modification of semiconductor nanocrystals
US2011165587 A1 20110707	KR20100000396;	KOREA INST SCI & TECH;	G01N33/566; C12Q1/02; C12M1/34;	Method for live-cell activity assay
US2011136139 A1 20110609	US20000238677P ;US20010312558 P;US2001097274 4;US20030735608 ;US20100905950;	LIFE TECHNOLOGIES CORP;	G01N33/566; G01N33/58; C12Q1/04; G01N33/84; G01N33/50; C12N5/00; C12N5/06;	Method for enhancing transport of semiconductor nanocrystalsacross biological membranes

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US2011097788 A1 20110428	US20030601378; US20100915911;	ACCELLA SCIENT INC;	G01N33/569; B01F15/02; C12M1/34; C12Q1/70; B01D61/18; B01L3/00; G01N15/10; B01F5/06; B01F3/20; B01F13/00;	Nano and micro-technology virus detection method and device
EP2305775 A2 20110406	EP20050858281; US20040623425P ;	MOLECULAR PROBES INC;	G01N33/58; C09K11/54;	Functionalized fluorescent nanocrystals, and methods for their preparation and use
EP2306195 A2 20110406	EP19990307393;E P20020078313;U S19980100947P; US19980160454;	MASSACHUSETTS INST TECHNOLOGY;	G01N33/58; G01N33/533; G06K19/06; G01N33/532; H01L33/00; G01N33/543;	Biological applications of semiconductor nanocrystals
CN102242053 A 20111116	CN20111082436;	YUE SHEN;ZHONGLIN WANG;	G01N33/68; C12M3/00; C08J7/12; B81B1/00; G03F7/00; C12M1/00;	Biochip with polymer three-dimensional nanostructure
EP2386061 A2 20111116	US20090143924P ;WO2010US20624 ;	UNIV CALIFORNIA;	G01N33/68; G01N33/53; B82B3/00; G01N33/543;	Imprinted polymer nanoparticles

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AU2009329868 A1 20110630	US20080140386P; US20080140399 P;WO2009US694 70;	CARDULLO MARIO;	G01N35/00; G01N27/00; B81B7/02; G06K17/00;	Method and apparatus for chemical detection and release
JP2011191304 A 20110929	FR20100051831;	COMMISSARIAT A L EN ATOMIQUE & AUX EN ALTERNATIVES;	G01P15/18; B81B3/00; G01P15/12; H01L29/84;	Force sensor with reduced noise
US2011321202 A1 20111229	US20100824337;	IBM;	G01Q10/00; G01Q20/02;	Dynamic mode nano-scale imaging and position control using deflection signal direct sampling of higher mode-actuated microcantilevers
US2011055981 A1 20110303	FR20080052007; WO2009FR50519;	INST POLYTECHNIQUE GRENOBLE;UNIV JOSEPH FOURIER;	G01Q10/06; G01Q10/00; G01Q60/10;	Device for positioning a moveable object of submicron scale
US2011047662 A1 20110224	DE200710031112; WO2008EP58151;		G01Q10/06; G01Q60/38; G01Q60/24; G01Q20/04; G01Q60/26; G01Q70/10;	Apparatus and method for investigating surface properties of different materials
GB2472302 A 20110202	DE200910036103; DE201010025254; GB20100007421; GB20100010051; GB20100011099;	OHNESORGE FRANK MICHAEL;	G01Q40/00; G01Q40/02;	An in situ calibrated afm - normal and lateral force standards as well as tip radius and sample elasticity standards in scanning atomic force microscopy
AU2010206592 A1 20110728	US20090147448P; WO2010US22013 ;	NANOINK INC;	G01Q60/00; G03F7/00;	Large area, homogeneous array fabrication including controlled tip loading vapor deposition
WO2011047336 A1 20110421	US20090252058P ;	NEXGEN SEMT HOLDING INC;	G01Q60/00; H03H9/00; G01N29/04;	Imaging devices for measuring the structure of a surface

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WO2011136527 A2 20111103	KR20100039815;	CHUN HONGGU;SNU R&DB FOUNDATION;	G01Q60/20; G01N33/483; B82B1/00;	Nanofluidic fluorescence apertureless near-field scanning optical microscope
CN102253245 A 20111123	US20060388132;	IBM;	G01Q60/22; G01Q70/16; G01Q70/12; G01Q60/38; B82Y15/00;	Monolithic high aspect ratio nano-size scanning probe microscope(spm) tip formed by nanowire growth
US2011302677 A1 20111208	US20100351485P ;US201113152704 ;	AMARANTH MEDICAL PTE;	G01Q60/24;	Detection and characterization of laser-induced heat affected zones onpolymer based devices

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US2011126328 A1 20110526	US19940281883; US19950412380; US19950506516; US19960613982; US19960906602; US19970776361; US19970786623; US19970827953; US19970885014; US19990355072; US20010274501P; US20010287677; US20010919780; US20020094411; US20030616453; US20060411985; US20070841698; US20070894592; US20100779879; WO1995US09553; WO1996US12255; WO1998US01528;	GEN NANOTECHNOLOGY LLC;	G01Q60/24; G01Q60/10;	Methods and apparatus for nanolapping
WO2011141602 A1 20111117	ES20100030712;	CONSEJO SUPERIOR INVESTIGACION; DIAZ LAGOS MERCEDES; HUTTEL YVES; MARTINEZ ORELLANA LIDIA; ROMAN GARCIA ELISA LEONOR;	G01Q60/42; B82B3/00; B82Y15/00;	Modification of atomic force microscopy tips by deposition of nanoparticles with an aggregate source
WO2011051449 A1 20110505	DE200910046267;	BLOCK STEPHAN; HELM CHRISTIANE; UNIV ERNST MORITZ ARNDT;	G01Q60/50; G01Q60/08; G01R33/038; G01N24/08;	Method for measuring magnetic information, in particular magnetic susceptibility, of magnetic nanoparticles (markers)

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US8060943 B1 20111115	US20080091834P ;US20090548070;	UNIV NORTH CAROLINA;UNIV SOUTH FLORIDA;	G01Q70/00;	Carbon nanotube oscillator surface profiling device and method of use
US2011167526 A1 20110707	US20070963507; US201113045042;	PALO ALTO RES CT INC;	G01Q70/08;	Microsprings having nanowire tip structures
US2011297084 A1 20111208	US20020357006P ;US20030367616; US201113210318;	MASSACHUSETTS INST TECHNOLOGY;	G01Q70/08; B05C11/00; B82B3/00; G03F7/00; B05C1/00;	Apparatus for direct fabrication of nanostructures
EP2287614 A1 20110223	EP20000915944;E P20090014899;U S19990259982;	UNIV CALIFORNIA;	G01Q70/08; G01Q70/18; G01N21/64; C12Q1/68; G01N33/533; G01N33/58; G01N33/542; G01N33/543;	Semiconductor nanocrystal probes for biological applications
WO2011038470 A1 20110407	BG20090110480;	AMG TECHNOLOGY LTD;STAVROV VLADIMIR;	G01Q70/10; G01Q10/06; G01Q70/12; G01Q60/38;	Sensors for scanning probe microscopy, method for three-dimensional measurement and method for manufacturing such sensors
CN101960286 A 20110126	JP20080045920; WO2009JP53496;	JAPAN SCIENCE & TECH AGENCY;	G01Q70/12;	Carbon nanotube support and process for producing the carbonnanotube support
US2011203021 A1 20110818	KR20080075397; WO2009KR04300;	KOREA RES INST OF STANDARDS;	G01Q70/12; G01Q70/16;	Spm nanoprobe and the preparation method thereof
DE10201000616 0 A1 20110728	DE201010006160;	UNIV DRESDEN TECH;	G01Q70/16;	Device for metalizing scanning probe tips of magnetic force microscopy, has light source directing large-area light to probe tips covered with salt solution, where deposition of metal particles is spatially limited to end region of tip

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US2011039100 A1 20110217	EP20080000094; WO2008EP11107;		G01Q70/16; D02G3/00; G01Q70/10; B81C1/00;	Method for making a 3d nanostructure having ananosubstructure, and an insulating pyramid having a metallic tip, a pyramid having nano-apertures and horizontal and/or vertical nanowires obtainable by this method
US2011107472 A1 20110505	CN20091209434;	UNIV BEIJING TECHNOLOGY;	G01Q70/16; G01Q70/02;	Sensor for quantitative measurement of electromechanical propertiesand microstructure of nano-materials and method for making the same
HK1110298 A1 20110408	US19990115133P ;US19990157633 P;	UNIV NORTHWESTERN;	G01Q80/00; B81C1/00; G01Q70/16; B82B3/00; G03F7/00;	A direct-write nanolithographic method
WO2011126438 A1 20111013	SE20100000352;	FISCHER ANDREAS;NIKLAUS FRANK;	G01Q90/00; H01L21/265; B81C99/00; B82Y20/00; H01L21/20; B82Y10/00;	Free form printing of silicon micro- and nanostructures
EP2329502 A1 20110608	US20080100962P ;WO2009US58787 ;	WENTWORTH LAB INC;	G01R1/067; C01B31/02; H01L21/00;	Probe cards including nanotube probes and methods of fabricating
US2011089958 A1 20110421	US20090253021P ;US20100900405;	APPLIED NANOSTRUCTURED SOLS;	G01R27/08; B32B17/12; B32B27/04; B32B3/00;	Damage-sensing composite structures
US2011102002 A1 20110505	US20080043514P ;US20100763799; US20100889019; WO2009US39737;		G01R27/08; H01B5/00; C40B60/12;	Electrode and sensor having carbon nanostructures

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WO2011011828 A1 20110203	AU20090903542;	HUBBLE LEE; RASTON COLIN; SWAMINATHA IYER; UNIV WESTERN AUSTRALIA; WATLING JOHN; ZOU JIANLI;	G01R27/22; B81B1/00; G01N27/04;	A device and methods of fabrication and use of said device
US2011148414 A1 20110623	GB20090006644; US20080101374P ;US20100959310; WO2009EP62722;	IMEC;	G01R33/00;	Magnetic resonance imaging of single domain nanoparticles
US2011095756 A1 20110428	EP20050112642; WO2006IB54415;	KONINKL PHILIPS ELECTRONICS NV;	G01R33/09;	Magnetochemical sensor
US2011018539 A1 20110127	US20070890075; US20100898752;		G01R33/44;	Hybrid imaging coils for magnetic resonance imaging
EP2399970 A2 20111228	EP20030749453; US20020408722P ;	NANOSYS INC;	G02B1/04; H01L23/00; G02B5/10; C09K11/08; C09K11/02; F24J2/06; B32B19/00; B32B19/02; H01S3/063; H01L51/00; H01L31/00; G02B6/122; C09K11/00; H01B1/12;	Nanocomposites
US2011116168 A1 20110519	US20090260850P ;US20100943325;		G02B1/10; B05D5/06;	Nanoengineered devices based on electro-optical modulation of the electrical and optical properties of plasmonic nanoparticles
CN102119344 A 20110706	US20080165765; WO2009US46979;	3M INNOVATIVE PROPERTIES CO;	G02B1/11;	Flexible high refractive index antireflective film

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WO2011139593 A1 20111110	US20100330592P ;	3M INNOVATIVE PROPERTIES CO;DAVID MOSES M;HARTZELL ANDREW K;YU TA-HUA;	G02B1/11; B29C59/14;	Method of making a nanostructure
WO2011109287 A1 20110909	US20100310157P ;	3M INNOVATIVE PROPERTIES CO;BENSON OLESTERJR;VANG KALC CHUR;YU TA-HUA;	G02B1/12; G02B1/11; C08J7/04;	Coated polarizer with nanostructured surface and method formaking the same.
WO2011109284 A1 20110909	US20100310147P ;	3M INNOVATIVE PROPERTIES CO;DAVID MOSES MEKALA;FITZER ROBERT C;KOLB BRANT ULRICK;LE JOHN DUC;VANG KALC CHUR;YU TA-HUA;	G02B1/12; G02B1/11; C08J7/04;	Composite multilayered structure with nanostructured surface
US2011141546 A1 20110616	WO2008US74348;		G02B26/02; H05K3/00; G02B26/08;	Tunable nanowire resonant cavity for optical modulation
GB2477817 A 20110817	DE201010007676;	OHNESORGE FRANK MICHAEL;	G02B27/58; G01Q30/02; G01N33/58;	Spectroscopy on mutually incoherently luminescing quantum dots,optical read out of quantum troughs, and fabrication of a writable array of quantum troughs
KR20110026289 A 20110315	KR20090084121;	POSTECH ACAD IND FOUND;	G02B3/00; B81B7/02;	Nanoscale lens through self-assembly process
EP2278363 A2 20110126	EP20050789350; US20040870366; US20040938006; US20040939184; US20050078145;	3M INNOVATIVE PROPERTIES CO;	G02B5/04; G02B5/12; G02B6/00; G02B5/124; F21V8/00;	Polymerizable compositions comprising nanoparticles
EP2324377 A1 20110525	FR20080056103; WO2009EP61673;	COMMISSARIAT ENERGIE ATOMIQUE;	G02B5/20; G02B5/18;	Nanostructured spectral filter and image sensor
US2011075263 A1 20110331	US20090586971;	MASSACHUSETTS INST TECHNOLOGY;	G02B5/22;	Optical limiting using plasmonically enhancing nanoparticles

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US2011012074 A1 20110120	US20080069439P; US20090922479; WO2009US01602;	OXAZOGEN INC;	G02B5/23; C08K3/04;	Laser protection polymeric materials
US2011090437 A1 20110421	KR20090099188;		G02B5/23; H01L31/0352; H01L31/0232;	Photonic sensor, method of manufacturing same, color filter substratehaving same, and display device having the color filter substrate
EP2396277 A1 20111221	FR20090000695; WO2010FR00128;	CENTRE NAT RECH SCIENT;SAINT LOUIS INST;	G02B5/24; C01B31/02;	Nanocomposites, method for producing same, and use thereof indevices for protecting against electromagnetic waves
US2011304934 A1 20111215	US20090214762P; US20100361082 P;US2010076630 9;US20111317650 6;	UNIV ARKANSAS;	G02B5/24; G02B5/22;	Broadband optical limiter based on nano-graphene andmethod of fabricating same
WO2011149020 A1 20111201	JP20100123102;J P20100260856;	HAYASHI HIDEKI;KUBO AKIHITO;MIYAMOTO RYOUICHI;SEKISUI CHEMICAL CO LTD;	G02B5/30; B05D1/28; B32B5/02; G02F1/1335; B05D7/24; B32B7/02;	Polarizing material, coating material for polarizing film productioncontaining same, and polarizing film
US2011128623 A1 20110602	CN20091310762;	HON HAI PREC IND CO LTD;	G02B5/30; B32B38/00; B32B38/10; G02B27/28;	Polarizer and fabrication method thereof
WO2011157948 A1 20111222	FR20100054744;	CENTRE NAT RECH SCIENT;GAUFRES ETIENNE;IZARD NICOLAS;UNIV PARIS SUD 11;VIVIEN LAURENT;	G02B6/00; H01L51/00; H01L51/44; H03K17/78; B82Y10/00; H01L51/50; G02F1/065; C01B31/02;	Nanotube electro-optical component, optronic or opticallylink-based hybrid integrated circuit integrating this component, and method of fabrication.

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US2011158595 A1 20110630	FR20080050650; WO2009FR50115;	ALCATEL LUCENT;	G02B6/02; H01S3/067;	Rare-earth-doped fiber optic waveguide and optical device comprising it
US2011262093 A1 20111027	US20100765014;	3M INNOVATIVE PROPERTIES CO;	G02B6/10; B29C35/08; B05D5/06;	Oled light extraction films having internal nanostructures and external microstructures
EP2294464 A1 20110316	FR20080054488; WO2009EP58368;	COMMISSARIAT ENERGIE ATOMIQUE;	G02B6/122;	Micro/nanostructured optical waveguiding structure for monitoring birefringence
US2011081109 A1 20110407	US20090573862;		G02B6/26; G02B6/10; G02B6/00;	Nanoparticle array photonic waveguide
FR2950440 A1 20110325	FR20090056416;	COMMISSARIAT ENERGIE ATOMIQUE;	G02B6/34; H04B10/12; G02B6/30;	Optical device for bidirectional optical transmission line, has grating, where angle, dimensions and nature of grating and waveguide are such that polarizations of beams are respectively guided in waveguide in opposite directions
US2011103733 A1 20110505	US20080043607P; US20080117792 P; US2009092063 1; WO2009EP5434 0;		G02B6/35; G01N21/84; G02B6/26; G02F1/01;	Nanomechanical photonic devices
US2011198498 A1 20110818	KR20100013877; KR20100088107;	KOREA ELECTRONICS TELECOMM;	G02F1/01;	Thermoelectric device and method of forming the same, temperature sensing sensor, and heat-source image sensor using the same
ES2354061T T3 20110309	US20010841853;	RESEARCH FRONTIERS INC;	G02F1/03; G02F1/17; G02F1/19; G02F1/07;	Partículas metálicas con forma anisométrica, suspensiones líquidas y películas de las mismas y válvulas luminosas que las comprenden.

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US2011297642 A1 20111208	US20060851652P; US20070871767; US20070911058P; US20070913231P; US20100712096; US201113211205;	CAMBRIOS TECHNOLOGIES CORP;	G02F1/13;	Nanowire-based transparent conductors and applications thereof
US2011299001 A1 20111208	US20090202356P; US201013202871; WO2010IL00151;		G02F1/133;	Optical display device and method thereof
CN101960364 A 20110126	US20070009415P; WO2008US13076;	DOW GLOBAL TECHNOLOGIES INC;	G02F1/13363; G02B5/30; G02F1/1334;	Phase compensation film comprising polymer nanoparticles imbibed with liquid crystal material
US2011056564 A1 20110310	US20080052003P; US20090991518; WO2009US43069;		G02F1/355; B05D5/12; C01B17/00; H01L31/0272; H01B1/02; H01L31/0264; C01B19/00;	Nanoparticles and methods of making and using
EP2368962 A2 20110928	EP20070870719; US20060483479;	HEWLETT PACKARD DEVELOPMENT CO;	G02F2/02; H01L33/50; C09K11/02; H01L27/32; H01L29/02;	Luminescent materials having nanocrystals exhibiting multi-modal energy level distributions
US2011273684 A1 20111110	JP20080158345;J P20080158815;W O2009JP02503;	NIPPON KOGAKU KK;	G03B27/42;	Nano-imprint method and apparatus
US2011014314 A1 20110120	US20050047428; US20100883930;	MOLECULAR IMPRINTS INC;	G03B27/64; B29C59/00;	Chuck system for nano-manufacturing

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US2011086297 A1 20110414	US20030533274P ;US20070585161; US20100905857; WO2004US43620;	UNIV DREXEL;	G03F1/00;	Programmable self-aligning liquid magnetic nanoparticle masks and methods for their use
WO2011146142 A1 20111124	US20100347212P ;	HANGARTER CARLOS MALDONADO; MYUNG NOSANG VINCENT; UNIV CALIFORNIA;	G03F1/00; G03F7/00;	Synthesis of nanopeapods by galvanic displacement of segmented nanowires
EP2329319 A1 20110608	DE200810041623; WO2009EP61005;	AMO GMBH;	G03F7/00;	Improved nanoimprint method
EP2300207 A1 20110330	US20080076032P ;WO2009US48880 ;	HARVARD COLLEGE;	G03F7/00;	Versatile high aspect ratio actuatable nanostructured materials through replication
WO2011025522 A1 20110303	US20090236957P ;US20100854359;	MOLECULAR IMPRINTS INC; UNIV TEXAS;	G03F7/00;	Functional nanoparticles
EP2344926 A2 20110720	US20080114239P ;US20090616896; WO2009US06113;	MOLECULAR IMPRINTS INC; UNIV TEXAS;	G03F7/00;	Large area patterning of nano-sized shapes
AU2010206595 A1 20110728	US20090147451P ;WO2010US22016 ;	NANOINK INC;	G03F7/00;	Large area, homogeneous array fabrication including substrate temperature control
EP2307928 A2 20110413	SE20080001770; WO2009EP05340;	SMOLTEK AB;	G03F7/00;	High aspect ratio template for lithography, method of making the same template and use of the template for perforating a substrate at nanoscale
US2011081526 A1 20110407	US20010341614P ;US20020320721; US20070847263; US20100898416;	UNIV NORTHWESTERN;	G03F7/00; B05D5/12; B82B3/00; H01L21/027; B32B3/10;	Patterning of solid state features by direct written nanolithographic printing

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CN102145875 A 20110810	CN20111054725;	UNIV NANJING;	G03F7/00; B81C1/00;	Preparation method of polydimethylsiloxane micro-nanofluidic chip
CN102004393 A 20110406	US20040565604P ;	UNIV ILLINOIS;	G03F7/00; C03C15/00; G03F9/00; C04B41/91; C04B24/38; C04B28/14;	Composite patterning devices for soft lithography
AU2010236563 A1 20110922	US20090169254P ;WO2010US30928 ;	NANOINK INC;	G03F7/00; C09D11/00;	Conducting lines, nanoparticles, inks, and patterning
CN102249182 A 20111123	CN20111107659;	CHINESE ACAD TECH INST PHYSICS;	G03F7/00; C23C18/31; C23C18/50; C23C18/36; B81C1/00; C23C18/30;	Method for preparing magnetic/polymer composite materialthree-dimensional micro/nano device capable of being remotely magnetically driven
KR20110025951 A 20110314	US20080060007P ;US20090479200;	UNIV TEXAS;	G03F7/00; G03F7/20;	Adaptive nanotopography sculpting
US2011048160 A1 20110303	US20040858100; US20050142825; US20080209049; US20100942652;	MOLECULAR IMPRINTS INC;	G03F7/00; G03F9/00; G05G11/00;	Method and system to control movement of a body for nano-scalemanufacturing
EP2325693 A1 20110525	EP20030256824;K R20020072017;	SAMSUNG ELECTRONICS CO LTD;	G03F7/038; C08F2/50; G03F7/00; G03F7/029; G03F7/027; B82B3/00; H05K3/02; G03F1/08;	Composition for forming a patterned film of surface-modified carbonnanotubes

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US2011128536 A1 20110602	US20090266036P;US20100957883;		G03F7/20; B05D5/06; G01J3/44;	Nanoscale array structures suitable for surface enhanced ramanscattering and methods related thereto
US2011151190 A1 20110623	US20070916777P;US20080599286; WO2008US63113;		G03F7/20; B32B5/16;	Shadow edge lithography for nanoscale patterning and manufacturing
TW201122564 A 20110701	JP20090150799;	NIPPON KOGAKU KK;	G03F7/20; C01B31/02; H01L21/027; G02B5/00;	Optical element, illumination apparatus, exposure apparatus, and method for manufacturing device
US2011318695 A1 20111229	US20100352694P;US201113156221;		G03F7/20; G03B27/00;	Arbitrary pattern direct nanostructure fabrication methods and system
CN101971092 A 20110209	SG20080009489; WO2009SG00443;	HELIOS APPLIED SYSTEMS PTE LTD;	G03F7/24; G03F7/40; G03F1/00;	3d mold for manufacture of sub-micron 3d structures using 2-d photon lithography and nanoimprinting and process thereof
US2011097559 A1 20110428	US19990126959P;US20090990941; WO2009US43113;		G03G13/14; B32B3/30; C08L53/00; B29C41/12;	Supramolecular block copolymer compositions for sub-micron lithography
EP2290459 A1 20110302	US20090550594;	XEROX CORP;	G03G15/00;	Carbon nanotube containing intermediate transfer members
CN102081335 A 20110601	CN20101550237;	UNIV BEIHANG;	G03G17/00; B81C1/00;	Liquid patterned device for photoelectric synergic induced anisotropic infiltration and manufacturing method
CN102016814 A 20110413	US20050691607P;US20050714961 P;US2005073422 8P;US200607628 02P;US20060799 876P;WO2006US 23722;	LIQUIDA TECHNOLOGIES INC;UNIV NORTH CAROLINA;	G06F15/16;	Nanoparticle fabrication methods, systems, and materials

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US2011270434 A1 20111103	US20100330364P;US201113098126;		G06F19/00;	Magnetic nanostructured propellers
US2011077869 A1 20110331	US20090246329P;US20100888408;	IBM;	G06F19/00; G01N33/48;	Circuit for detecting analytes via nanoparticle-labeled substances with electromagnetic read-write heads
KR20110036543 A 20110407	US20080060102P;US20080105295 P;	SAMSUNG ELECTRONICS CO LTD;TOKYO ELECTRON LTD;	G06F3/041; H01B1/04; H01L31/0224; H01B13/00;	Improved cnt/topcoat processes for making a transplant conductor
KR20110004783 A 20110114	CN20091304130;	CHIMEI INNOLUX CORP;	G06F3/041; H01L31/042; H01B5/14;	A conductive plate and method for making the same
KR101082379B B1 20111110	KR20100064210;	KOREA ADVANCED INST SCI & TECH;	G06F3/045;	Piezoresistive device, method of manufacturing the same and piezoresistive-type touch panel having the same
US2011143464 A1 20110616	US20090266498P;US20100960182;	MASSACHUSETTS INST TECHNOLOGY;	G06G7/62; C01G9/02; H01L33/00;	Methods and apparatus for control of hydrothermal nanowire synthesis
US2011220722 A1 20110915	TW20100107388;	HON HAI PREC IND CO LTD;	G06K19/067; B32B37/14;	Rfid tag antenna and method for making same
ES2359411 A1 20110523	ES20090030865;	UNIV ZARAGOZA;	G07D7/12; B01J13/02; B82Y40/00; B82Y30/00;	Metodo de autenticacion de objetos.

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US2011101240 A1 20110505	US19980107829P; US19990372729; US19990436145; US20010755407; US20030417303; US20040884528; US20100844816;	LIFE TECHNOLOGIES CORP;	G07F7/08; B05D1/32; G01N21/64; B32B3/30; B41M3/14; C09K11/06; C09K11/00; C09D11/00; C09K11/02; C09K11/08; G07D7/12; B44F1/12; A61K9/16; C09D5/22;	Fluorescent ink compositions comprising functionalized fluorescentnanocrystals
US2011205217 A1 20110825	KR20070039844; WO2008KR02339;		G09G3/30; G09G5/00;	Method of driving display panel
US2011235215 A1 20110929	US20080141062; US20090539818; US201113152254;		G11B5/82; G11B5/54; B29C59/02;	Patterned magnetic recording disk with high bit-aspect-ratio andmaster mold for nanoimprinting the disk
CN101945750 A 20110112	JP20080052612; WO2009JP00062;	DAICEL CHEM;	G11B5/84; H01L21/027; B29C59/02; G11B7/26;	Process for production of nanostructures
US2011235495 A1 20110929	JP20100075839;	TOSHIBA KK;	G11B7/135;	Optical head and optical recording/reproducing apparatus
KR20110119669 A 20111102	US20090363389;	IBM;	G11B9/00; G03F7/00;	Method for patterning nano-scale patterns of molecules on asurface of a material
US2011122682 A1 20110526	US20090624141;	IBM;	G11C11/00;	High density low power nanowire phase change material memory device

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US2011210305 A1 20110901	US20070692144; US20100693782; US201113083746;	SANDISK 3D LLC;	G11C11/00;	Memory cell and methods of forming a memory cell comprising a carbon nanotube fabric element and a steering element
US2011315656 A1 20111229	US20050661569P ;US20080885846; US201113153840; WO2006US09312;	UNIV JOHNS HOPKINS;	G11C11/00;	Ferromagnetic nanorings, mediums embodying same including devices and methods related thereto
WO2011014446 A1 20110203	US20090533695; US20090533704;	NANTERO INC;RUECKESTHOMAS;SEN RAHUL;SIVARAJAN RAMESH;	G11C11/00; H01L21/20;	Anisotropic nanotube fabric layers and films and methods of forming same
US2011057717 A1 20110310	US20070936819P ;US20080139910;	NANTERO INC;	G11C11/00; H01L23/52; H01L21/02;	Two-terminal nanotube devices including a nanotube bridge and methods of making same
US2011007559 A1 20110113	KR20070126001; WO2008KR07165;		G11C11/14; H01B5/02;	Nanowire and memory device using it as a medium for current-induced wall displacement
CN102017006 A 20110413	US20080150308; WO2009FI50176;	NOKIA CORP;	G11C11/14; H01L51/00; G11C16/10; B82B3/00; G11C13/00;	Apparatus, method and system for reconfigurable circuitry
US2011134691 A1 20110609	US20050210363; US20080338413; US201113027573;	MICRON TECHNOLOGY INC;	G11C11/34; H01L21/336;	Scalable multi-function and multi-level nano-crystal non-volatile memory device
WO2011050331 A2 20110428	US20090254585P ;US20090254588 P;US2009025459 6P;US200902545 99P;	MANNING H MONTGOMERY;NANTERO INC;RUECKES THOMAS;SEN RAHUL;	G11C13/02; B82Y10/00; H01L27/102; C01B31/02;	Method for passivating a carbonic nanolayer
US2011133268 A1 20110609	US20070871339; US201113024903;	MICRON TECHNOLOGY INC;	G11C16/04;	Memory cells containing charge-trapping zones

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US2011063905 A1 20110317	US20090560040;	TOSHIBA AMERICA RES INC;	G11C16/04;	Multi-valued rom using carbon-nanotube and nanowire fet
EP2299482 A2 20110323	EP20040794293; US20030508272P ;	MASSACHUSETTS INST TECHNOLOGY;	G11C16/04; H01L21/336; H01L31/0336; H01L29/423; H01L21/28; H01L29/80; H01L29/788; G11C13/02;	Non-volatile memory device
US2011272598 A1 20111110	US20100317552P ;US201113069131 ;	UNIV CALIFORNIA;	G21K5/00;	Surface tension mediated conversion of light to work
US2011057121 A1 20110310	US20050753621P ;US20080144514; WO2006US62578;	UNIV CALIFORNIA;	G21K5/10; H01J37/20; H01J37/244;	Single nanoparticle tracking spectroscopic microscope
US2011229706 A1 20110922	US20050168751; US20060788609P ;US20070731974;	UNIV OHIO STATE RES FOUND;	H01B1/00; C08G73/06;	Aligned nanostructured polymers
US2011168955 A1 20110714	US20040570964P ;US20050129751; US20070668659;	USA AS REPRESENTED BY THE ADMINISTRATOR OF THE NAT AERONAUTICS ANDSPACE ADMINISTRATION;	H01B1/02; B05D3/02; H01B1/04;	Templated growth of carbon nanotubes
US2011088739 A1 20110421	US20090253479P ;US20100908813;	LOCKHEED CORP;	H01B1/02; B32B5/16; H01L35/32; B23K10/00;	High efficiency thermoelectric converter

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EP2380688 A1 20111026	EP20070813754; US20060462089;	FRY METALS INC;	H01B1/02; C09D11/00; B22F1/00; B22F9/24; H01L51/00;	Particles and inks and films using them
US2011114894 A1 20110519	KR20090110922;	SAMSUNG ELECTRONICS CO LTD;	H01B1/02; H01B1/04; B05D3/00;	Composite structure and method of manufacturing the same
US2011247671 A1 20111013	KR20100032287;	SAMSUNG ELECTRONICS CO LTD;	H01B1/02; H01L35/16;	Thermoelectric material and method of preparing the same
US2011155964 A1 20110630	US20060840990P ;US20070897129; US20100959990;		H01B1/04;	Monodisperse single-walled carbon nanotube populations and related methods for providing same
US2011268647 A1 20111103	US20100326673P ;US201113091674 ;	BASF SE;MAX PLANCK GES ZUR FOERD DER WISSE E V;	H01B1/04; B01J27/20; B01J21/18; C01B31/04; B05D7/00; B05D5/12;	Producing two-dimensional sandwich nanomaterials based on graphene
US2011314840 A1 20111229	US20100398332P ;US201113134217 ;		H01B1/04; B32B3/00; F28D15/00; C01B31/04; F25B39/02; F28F7/00; B65D6/28; B01J19/08; C09D127/18;	Various methods for industrial scale production of graphene and new devices/instruments to achieve the latter

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US2011089365 A1 20110421	JP20070145225;U S20070924907P; US20080130603; US20100973644;	SHOWA DENKO KK;	H01B1/04; C09K5/00;	Carbon nanofiber, production process and use
US2011198542 A1 20110818	KR20100014732;	SAMSUNG ELECTRONICS CO LTD;	H01B1/04; H01B1/06; C07F1/10;	Conductive carbon nanotube-metal composite ink
US2011024698 A1 20110203	US20090172363P ;US20100761157;		H01B1/04; H01B1/12;	Mechanically stiff, electrically conductive composites of polymers and carbon nanotubes
US2011031447 A1 20110210	EP20070116339; WO2008EP61040;		H01B1/04; H01B1/12;	Process for the preparation of a conductive polymer composition
US2011049437 A1 20110303	US20080026268P ;US20090866089; WO2009US30579;	UNIV PRINCETON;	H01B1/04; H01B1/24; B29C65/48;	Coatings containing functionalized graphene sheets and articles coated therewith
US2011037030 A1 20110217	DE200710058674; WO2008EP10399;	SUED CHEMIE AG;	H01B1/04; H01M4/485; C01B25/30; C01G23/04; H01B1/02; C01G23/047; H01M4/58; C01B25/26;	Nanoparticulate composition and method for its production

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US2011233483 A1 20110929	US20060779740P; US20070016227P; US20070946090P; US20070946382P; US20070949306P; US20070950598P; US20070971885P; US20070971887P; US20070973644P; US20070992598P; US20080083998P; US20080140051P; US20080231887P; US20080283609P; US20090159351P; US20100722028P; US201113015670; WO2007US05589; WO2008US07902; WO2008US10651; WO2009US04354;		H01B1/06;	Compositions, optical component, system including an optical component, devices, and other products
US2011037029 A1 20110217	US20090234305P; US20100857430;		H01B1/12;	Copolymer-associated nanomaterial
US2011278505 A1 20111117	US20090420000; US201113188375;	CHUNG SHAN INST OF SCIENCE;	H01B1/12; B82Y99/00;	Polyaniline/c-mwnt nanocomposite
US2011198544 A1 20110818	US20100305666P; US201113031071;		H01B1/12; H01B1/02; H01B3/00;	Emi voltage switchable dielectric materials having nanophase materials

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US2011175039 A1 20110721	US20050694793P; US20060476979; US20100829515; US201113075404;	DU PONT;	H01B1/12; H01B1/24; H01B1/22;	High work function transparent conductors
WO2011099939 A1 20110818	US20100302808P;	CHAN BEE ENG MARY;FENGJUNLUO;JUDEH ZAHER;UNIV NANYANG TECH;YUAN WEI;	H01B1/14; C08G73/10; C08K3/04; C08G61/10; C08L63/00; B82Y30/00; C08L75/00; C08L35/00; C08L33/00;	Methods for dispersing carbon nanotubes and compositions usedfor the methods
US7985354 B1 20110726	US20070904247; US20070965576P; US20100661600;	OCEANIT LAB INC;	H01B1/18; H01B1/16;	Carbon nanomaterials dispersion and stabilization
US2011240931 A1 20111006	KR20100030137;	SAMSUNG ELECTRONICS CO LTD;	H01B1/20; H01B1/22; B01J13/18;	Nanoparticle-resin composition, nanoparticle-resincomposite, and method of making nanoparticle-resin composite
EP2363891 A2 20110907	EP20060801576; US20050707675P; US20060796027 P;US2006079887 8P;	CAMBRIOS TECHNOLOGIES CORP;	H01B1/22; C30B29/60; G02F1/1333; H01L31/0224; B82Y30/00; C30B7/02; G02B5/02; G02F1/1343; C23F11/02; C30B29/02;	Nanowires-based transparent conductors
US2011260115 A1 20111027	KR20080125247; WO2009KR05371;	LS CABLE & SYSTEM LTD;	H01B1/22; H01B1/24;	Conductive paste and conductive circuit board produced therewith

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US2011240929 A1 20111006	US20100753621;		H01B1/24;	Polymer/carbon nanotube composite film with high gas permeability resistance and manufacturing method thereof
US2011315935 A1 20111229	DE200910013482; WO2010EP01566;	BAYER TECHNOLOGY SERVICES GMBH;	H01B1/24;	Method for dispersing nanoparticles in fluid media
US2011155965 A1 20110630	KR20090134952;	CHEIL IND INC;	H01B1/24;	Polycarbonate resin composition having excellent wear resistance and electric conductivity and method of preparing the same
US2011147640 A1 20110623	KR20080080925; WO2008KR07812;	CHEIL IND INC;	H01B1/24;	Thermoplastic resin composition having electrical conductivity, wear resistance and high heat resistance
US2011086176 A1 20110414	KR20070052868; US20080043519; US20100899867;	SAMSUNG ELECTRONICS CO LTD;	H01B1/24; B05D1/18;	Carbon nanotube having improved conductivity, process of preparing the same, and electrode comprising the carbon nanotube
US2011171371 A1 20110714	US20100294537P; US201113006321;	CNANO TECHNOLOGY LTD;	H01B1/24; B05D5/12;	Enhanced electrode composition for Li ion battery
US2011260116 A1 20111027	FR20100053088;	ARKEMA FRANCE;	H01B1/24; B29B9/08;	Thermoplastic and/or elastomeric composite based on carbon nanotubes and graphenes
CA2781224 A1 20110526	WO2009EP08217; WO2009EP08218; WO2010EP00323; WO2010EP00622; WO2010EP00757;	BADA AG; BAYER MATERIALSCIENCE AG; BYK CHEMIE GMBH; COPERION GMBH; FRAUNHOFER GES ZUE FOERDERUNG DER ANGEWANDTEN FOERSCHUNG E V;	H01B1/24; C08K3/04; C08K7/24; C08J3/205;	Method for producing composite materials based on polymers and carbon nanotubes (cnts), composite materials produced in this way and use thereof

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US2011024697 A1 20110203	US20040571999P; US20040611018 P;US2005013191 2;US20050228023 ;US20080217978; US20090371851; US20100752513;	UNIV ARKANSAS;	H01B1/24; D01F9/12; B05D5/12;	Methods of producing carbon nanotubes and applications of same
EP2279852 A1 20110202	EP20090166862;	ROLLS ROYCE CORP;	H01B1/24; F01D25/00; F01D5/28; B29C70/88;	Gas turbine engine and method including composite structures with embedded integral electrically conductive paths
US2011051974 A1 20110303	CN20091189818;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	H01B11/00; H04R25/00;	Earphone cable and earphone using the same
US2011051973 A1 20110303	CN20091189819;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	H01B11/02; H04R25/00;	Earphone cable and earphone using the same
US2011301039 A1 20111208	US20080141062P; US20090161927 P;US2009131415 22;WO2009US697 49;	HYDROELECTRON VENTURES INC;	H01B12/02; H05K1/09; H01L39/12;	High- <i>tc</i> superconductivity of electron-doped water-cluster clathrates
CN101964229 A 20110202	CN20091109047;	HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA;	H01B13/00; B81B3/00; H01B1/04; H01B5/02; C01B31/02;	Carbon nano tube stranded wire and preparation method thereof
US2011272176 A1 20111110	JP20090007392; WO2009JP71122;	KONICA MINOLTA HOLDINGS INC;	H01B13/00; H05K1/00;	Pattern electrode manufacturing method and pattern electrode
WO2011009477 A1 20110127	WO2009EP05624;	FINDEISEN JOERG;SIEMENS AG;	H01B17/64; H01B9/00; H01B7/42;	Cable containing oriented nanoparticles

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WO2011003635 A1 20110113	DE200910033268;	HAMMER THOMAS;HEINRICHSORFF FRANK;KRUEGER URSUS;LUETHEN VOLKMAR;REZNIK DANIEL;SIEMENS AG;	H01B3/52; C08K3/04; C08L1/02; C08K7/06; C08K7/24; H01B3/54; C08K3/38;	Nanocomposite comprising semiconducting nanoparticles
US2011240338 A1 20111006	US20100320703P ;US201113079773	AMPERICS INC;	H01B5/00;	Ternary oxide supercapacitor electrodes
CN102119065 A 20110706	JP20080207524; WO2009JP63962;	DAIKEN CHEMICAL CO LTD;OSAKA MUNICIPAL THECNICAL RES;	H01B5/00; C01G3/02; B22F1/00; H01B13/00; B22F9/30; C07F1/08;	Copper-containing nanoparticle and process for producing same
US2011039459 A1 20110217	US20090462923;		H01B5/00; H01R13/02;	Solderless carbon nanotube and nanowire electricalcontacts and methods of use thereof
US2011226509 A1 20110922	KR20100023315; KR20100025327;		H01B5/02;	Electrical transmission line
US7993541 B1 20110809	US20020379726P ;US20030436289; US20070705383;	NANOCRYSTALS TECHNOLOGY LP;	H01F1/00;	Quantum confined atom (qca) based nanomagnets
CN102129901 A 20110720	US20040950194;	AGENCY SCIENCE TECH & RES;	H01F1/00; G01N33/543; G01N33/58; C30B7/00;	Coated composites of magnetic material and quantum dots
EP2387788 A1 20111123	EP20090305036;E P20100706018;W O2010FR50050;	ARCELORMITTAL STAINLESS & NICKEL ALLOYS;	H01F1/153; H01F41/02;	Process for manufacturing a magnetic core made of a magnetic alloyhaving a nanocrystalline structure

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US2011266492 A1 20111103	US20070683889; US201113161233;	UNIV WASHINGTON;	H01F1/26;	Stimuli-responsive magnetic nanoparticles and related methods
WO2011099941 A1 20110818	US20100302992P; US20100382540 P;	CHUNG TAI-SHUNG; GE QINGCHUN; LING MINGMING; SU JINCAI; UNIV SINGAPORE; WANGKAIYU;	H01F1/26; B82Y40/00; C08K3/18; B82Y25/00; B22F1/00;	Forward osmosis process using hydrophilic magnetic nanoparticles as draw solutes
US2011207894 A1 20110825	CN20071062721; CN20071065163; CN20071187270; CN20071187275; US20080008864; US201113051893;	CHINESE ACAD INST CHEMISTRY;	H01F1/33;	Biocompatible magnetic nanocrystal, powder of a biocompatible magnetic nanocrystal bearing a surface reactive group and preparations thereof
CN102190483 A 20110921	CN20101117362;	RES CT ECO ENVIRONMENTAL SCIEN;	H01F1/34; B81C1/00; B82B3/00; C04B35/32;	Three-dimensional micro-nano material composed of nanocofe ₂ O ₄ and preparation method thereof
WO2011138975 A1 20111110	US20100332346P; US20100332888 P;	CABRAL HORACIO; ISHII TAKEHIKO; KATAOKA KAZUNORI; KUMAGAI MICHIAKI; SARMA TRIDIB KUMAR; SEKINO MASAKI; UNIV TOKYO;	H01F1/36; A61K49/00; A61P35/00; A61K33/24; A61K33/26; A61K47/34; A61B5/055;	High density poly-alkylene glycol-coated iron oxide gold core-shell nanoparticle
EP2301051 A1 20110330	IT2008TO00462; WO2009IB52502;	TORINO POLITECNICO;	H01F41/16; H01F10/32;	Process for the production of macroscopic nanostructured permanent magnets with high density of magnetic energy and corresponding magnets
EP2304416 A1 20110406	FR20080054826; WO2009EP57708;	COMMISSARIAT ENERGIE ATOMIQUE;	H01G4/06; G01N27/22;	Capacitive humidity detector with nanoporous hydrophilic dielectric

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US2011049673 A1 20110303	US20090548298;	IBM;	H01G9/00; H01G4/008; H01L29/92;	Nanopillar decoupling capacitor
US2011304964 A1 20111215	US20100355097P ;US201113117071 ;	APPLIED NANOSTRUCTURED SOLS;	H01G9/00; H01G9/155; H01G9/042; H05K7/00;	Electrical devices containing carbon nanotube-infused fibers and methods for production thereof
WO2011099677 A1 20110818	KR20100012830;	KIM BO HYE;UNIV NAT CHONNAM IND FOUND;YANG KAP SEUNG;	H01G9/042; D01F9/12; H01G9/04;	Method for preparing porous carbon nanofibers containing a metaloxide, porous carbon nanofibers prepared using the method, and carbon nanofiber products including same
WO2011076979 A1 20110630	FI20090000495;FI 20100000143;FI20 100006077;	MOILANEN PASI;VIRTANEN JORMA;	H01G9/155; B82Y30/00; B82Y40/00; H01G9/042;	Fabrication and application of polymer-graphitic material nanocomposites and hybride materials
WO2011025506 A1 20110303	WO2009US55538;	HEWLETT PACKARD DEVELOPMENT CO;RIBEIRO GILBERTO;WILLIAMS RSTANLEY;YANG JIANHUA;	H01H1/04; H01H1/021;	Low-power nanoscale switching device with an amorphous switching material
US2011083319 A1 20110414	US20040624297P ;US20040624428 P;US2005026493 5;US20090509993 ;US20100953076;	NANTERO INC;	H01H11/00;	Methods of making nanotube switches
WO2011036808 A1 20110331	WO2009JP66805;	FUJITA SHINOBU;TOSHIBA KK;	H01H59/00; B81B3/00;	Switch element and circuit provided with switch element
US2011059333 A1 20110310	US20050706059P ;US20060484083; US20100941919;	MYTITEK INC;	H01J1/02; H01J1/62; H01J9/04;	Nanostructured composite electrode

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JP2011100737 A 20110519	US20000213002P ;US20000213159 P;US2001028793 OP;	DU PONT;	H01J1/02; H01J21/10; H01J19/24; H01J9/02; H01J1/14; H01J1/00; H01J1/304; H01J63/06;	Paste for manufacturing electron field emitter, and usage thereof
KR20110010124 A 20110131	US20080128177P ;	DU PONT;	H01J1/30; H01J9/02;	Co-processable photoimageable silver and carbon nanotubecompositions and method for field emission devices
CN102092670 A 20110615	CN20101607353;	HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA;	H01J1/304; B81B7/04; B81C1/00; H01J9/02;	Carbon nano-tube composite structure and preparation methodthereof
US2011168969 A1 20110714	US20030528740P ;US20040010178; US20080028218;	GEORGIA TECH RES INST;	H01J1/304; H01L29/06; H01J9/02; G02B5/20; H01L29/22;	Large scale patterned growth of aligned one-dimensional nanostructures
US2011280371 A1 20111117	US20100333878P ;US201113106394 ;		H01J35/06; G01N23/04;	Tio2 nanotube cathode for x-ray generation
CN102194633 A 20110921	CN20101126406;	HONGFUJIN PREC IND SHENZHEN;UNIV TSINGHUA;	H01J37/02; H01J37/26;	Microgrid of transmissive electron microscope
US2011299011 A1 20111208	US19980087883P ;US19990324149; US20050040318; US20070701879; US20090471889; US201113211664;		H01J5/16; G02F1/1335; H01J61/40;	Electronic displays using optically pumped luminescent semiconductornanocrystals

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US2011251604 A1 20111013	US20080090151P; US200913055998; WO2009US54329; ;	UNIV DREXEL;	H01J7/00; G01J3/30; B05D1/04; A61B18/00;	Nano discharges in liquids
JP2011230253 A 20111117	JP20100103922;	HYOGO PREFECTURE;JAPAN SCIENCE & TECH AGENCY;YAMAHA CORP;	H01J9/02; H01J1/304; B81C1/00; B81B1/00; G01Q70/16;	Silicon nano-needle and method of manufacturing the same
US2011104976 A1 20110505	US20070811674; US20070921134P; US20100962559;	ELORET CORP;	H01J9/12;	Carbon nanotube electron gun
US2011027464 A1 20110203	CN20061060071; US20060603627; US20100906286;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	H01J9/12;	Method for making cathode of emission double-plane light source and emission double-plane light source
US8030108 B1 20111004	US20080076803P; US20090492265;	STC UNM;	H01L21/00;	Epitaxial growth of in-plane nanowires and nanowire devices
US2011059568 A1 20110310	TW20080105295;	UNIV NAT CHIAO TUNG;	H01L21/00;	Method for fabricating nanoscale thermoelectric device
KR20110069836 A 20110623	US20080102589P; ;	LIFE TECHNOLOGIES CORP;	H01L21/00; B82B3/00;	Methods for preparing nanocrystals using electron transfer agents
US2011031470 A1 20110210	US20090220980P; US20100822109;	CALIFORNIA INST OF TECHN;	H01L21/00; H01L21/20; H01L21/36;	Methods for fabricating passivated silicon nanowires and devices thus obtained
US7880318 B1 20110201	US20070741242;	HEWLETT PACKARD DEVELOPMENT CO;	H01L21/00; H01L29/221; H01L33/00; H01L23/58;	Sensing system and method of making the same

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KR20110133352 A 20111212	KR20100053028;	SAMSUNG TECHWIN CO LTD;	H01L21/02; B81C1/00; B81B7/02;	Micro structure, micro electro mechanical system therewith, and manufacturing method thereof
KR20110032999 A 20110330	KR20090090634;	KOREA ADVANCED INST SCI & TECH;	H01L21/02; B82B3/00;	3-dimensional nano structures composed of nano materials grown on mechanically compliant graphene films and method for preparing the same
EP2384816 A1 20111109	US20100331212P ;	IMEC; TAIWAN SEMICONDUCTOR MFG; UNIV LEUVEN KATH;	H01L21/02; B82Y15/00; B01L3/00; B82Y40/00;	Nanochannel device and method for manufacturing thereof
US2011177493 A1 20110721	US20080029254P ; US20090371163;	UNIV CALIFORNIA;	H01L21/02; C01B31/00; C07K17/14; C12Q1/70; C07D495/04; B01J31/12; G01N33/50; G01N33/53; C07H21/04;	Using highly sensitive suspended carbon nanotubes for molecular-level sensing based on optical detection
US2011223484 A1 20110915	US20100308104P ; US201113034667 ;	PINON TECHNOLOGIES INC;	H01L21/02; H01B1/02; H01M4/38;	Group iv metal or semiconductor nanowire fabric
US2011070711 A1 20110324	CN20091195982;	SEMICONDUCTOR MFG INT SHANGHAI;	H01L21/02; H01L21/28;	Method for manufacturing nano-crystalline silicon material from chloride chemistries for the semiconductor integrated circuits
US2011133153 A1 20110609	KR20090121410;	SAMSUNG ELECTRONICS CO LTD;	H01L21/02; H01L29/06;	Porous nanostructure and method of manufacturing the same
US2011227059 A1 20110922	US20100727710;	IBM;	H01L21/02; H01L29/12; H01L29/92;	Glassy carbon nanostructures

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US2011260290 A1 20111027	US20100765955;		H01L21/02; H01L29/86;	Memory cell that includes a carbon-based memory element and methods of forming the same
WO2011162715 A1 20111229	SE20100050700;	GLO AB;OHLSSON JONAS;	H01L21/02; H01L33/12; H01L29/06; B82Y15/00;	Substrate with buffer layer for oriented nanowire growth
AU2010256436 A1 20111215	US20090184578P; US20100350349 P;WO2010US374 28;	UNIV NORTHWESTERN;	H01L21/027;	Silicon pen nanolithography
JP2011011558 A 20110120	US20040852448;	AGENCY SCIENCE TECH & RES;UNIV OF MICHIGAN;	H01L21/027; B28B11/08; B82B3/00; G03C5/00; B81C99/00; B29C59/02; B82B1/00; G03F7/00; B81C1/00;	Imprinting method for three-dimensional micro- or nano-structure supported and independent
EP2343730 A1 20110713	JP20080247439; WO2009JP66649;	BRIDGESTONE CORP;	H01L21/027; B29C59/02;	Method for concave and convex pattern formation and apparatus for manufacturing concave and convex pattern
CN101978469 A 20110216	US20080052956; WO2009US35861;	MICRON TECHNOLOGY INC;	H01L21/033; B81C1/00;	Thermal anneal of block copolymer films with top interface constrained to wet both blocks with equal preference
US2011101299 A1 20110505	US20060381982; US20100962447;	BROTHER INTERNAT CORP;	H01L21/04; H01L29/66;	Carbon nanotube arrays for field electron emission and methods of manufacture and use
EP2359416 A1 20110824	SE20080050167; WO2009SE51479;	GLO AB;	H01L21/04; H01L33/38; H01L29/417;	A nanostructured device

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US2011256675 A1 20111020	US20050031168; US20070866627; US20080125501; US201113153051;	IBM;	H01L21/04; H01L49/00;	Self-aligned process for nanotube/nanowire fets
EP2370993 A1 20111005	WO2008US14112;	NANOSYS INC;	H01L21/06;	Methods for encapsulating nanocrystals and resulting compositions
US2011049463 A1 20110303	JP20090198229;	TOSHIBA KK;	H01L21/16; H01L45/00;	Nonvolatile memory device and method of fabricating the same
US2011059599 A1 20110310	US20090241359P ;US20100326561 P;US2010087940 0;	LOCKHEED CORP;	H01L21/20;	Graphene nanoelectric device fabrication
US2011263108 A1 20111027	US20100662661;	UNIV BERLIN TECH;	H01L21/20;	Method of fabricating semiconductor quantum dots
US2011183489 A1 20110728	US20080274033; US201113074792;		H01L21/20; C01B31/02; H01B1/04;	Switching materials comprising mixed nanoscopic particles and carbon nanotubes and method of making and using the same
US2011031452 A1 20110210	US20070990767P ;US20070991065 P;US2008032402 9;		H01L21/20; H01B1/02;	Nanoparticles having continuous photoluminescence
US2011309323 A1 20111222	KR20100058380;	UNIV YONSEI IACF;	H01L21/20; H01L21/66; H01L29/66;	Method of manufacturing nano device by arbitrarily printing nanowire devices thereon and intermediate building block useful for the method
US2011140072 A1 20110616	US20080090865P ;US200913059409 ;WO2009US54181 ;	NANOCRYSTAL CORP;	H01L21/20; H01L29/20;	Defect-free group iii - nitride nanostructures and devices using pulsed and non-pulsed growth techniques
US2011155995 A1 20110630	TW20090145912;		H01L21/20; H01L29/66;	Vertically oriented nanostructure and fabricating method thereof

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US2011253982 A1 20111020	US20080108979P; US20090183726 P;US2009131263 81;WO2009US623 56;	UNIV CALIFORNIA;	H01L21/20; H01L29/775; H01L29/66;	Vertical group iii-v nanowires on si, heterostructures, flexible arrays and fabrication
US2011129973 A1 20110602	US20030465797; US20060373127; US201113025018;	IBM;	H01L21/20; H01L29/788; H01L29/423; H01L21/28; H01L29/792; H01L21/336;	Nonvolatile memory device using semiconductor nanocrystals and method of forming same
US2011266642 A1 20111103	FR20080058469; WO2009FR52277;	CENTRE NAT RECH SCIENT;COMMISSARIAT ENERGIE ATOMIQUE;	H01L21/20; H01L29/82;	Method for producing a magnetic tunnel junction and magnetic tunnel junction thus obtained
US2011094582 A1 20110428	US20080075947P; US20090994821; WO2009IL00641;	YISSUM RES DEV CO;	H01L21/20; H01L31/0352; H01L29/15;	Photochemical electrode, construction and uses thereof
US2011168968 A1 20110714	US20020432104P; US20030454038 P;US2003046134 6P;US200307317 45;US2004082214 8;US20080027428 ;	UNIV CALIFORNIA;	H01L21/205; C30B33/00; G01N27/28; C30B29/60; H01L31/109; C30B25/02; H01L21/00;	Fluidic nanotubes and devices
KR20110035033 A 20110406	KR20090092577;	UNIV KYUNG HEE UNIV IND COOP;	H01L21/208;	Fabrication method of flexible board
US2011303912 A1 20111215	KR20100055108;	SAMSUNG ELECTRONICS CO LTD;	H01L21/208; H01L29/22;	Methods of manufacturing p-type zn oxide nanowires and electronic devices including p-type zn oxide nanowires
TW201108311 A 20110301	EP20090007503;	MERCK PATENT GMBH;	H01L21/28;	Process for aligning nanoparticles

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US2011318921 A1 20111229	US20050131555; US20090419014; US201113226787;	MICRON TECHNOLOGY INC;	H01L21/28;	Methods of forming an interconnect between a substrate bit linecontact and a bit line in dram
WO2011036214 A1 20110331	GB20090016776; GB20090021013;	RASKIN JEAN-PIERRE;TANG XIAOHUI;UNIV LOUVAIN;	H01L21/28; G11C16/04; H01L29/788; H01L21/336; H01L29/423;	A memory device and a method of manufacturing the memory device
US2011266694 A1 20111103	US20050107125; US201113179316;	MICRON TECHNOLOGY INC;	H01L21/28; H01L23/48;	Methods of manufacturing semiconductor structures and devicesincluding nanotubes, and semiconductor structures, devices, and systems fabricated using such methods
US2011316173 A1 20111229	IT2010TO00555;	ST MICROELECTRONICS SRL;	H01L21/28; H01L23/48;	Electronic device comprising a nanotube-based interfaceconnection layer, and manufacturing method thereof
US2011266675 A1 20111103	US20050677734P ;US20060418817; US20110984527;		H01L21/28; H01L23/52; B65D71/00;	Directional self-assembly of biological electrical interconnects
KR20110002999 A 20110111	KR20090060572;	HYNIX SEMICONDUCTOR INC;	H01L21/28; H01L27/108;	Semiconductor memory device and fabrication method thereof
US2011227142 A1 20110922	US20100728697;	MICRON TECHNOLOGY INC;	H01L21/28; H01L29/792; H01L21/314;	Fortification of charge-storing material in high-k dielectricenvironments and resulting appratuses
EP2274779 A1 20110119	IT2008TO00175;I T2008TO00986;W O2009IB50921;	UNIV DEGLI STUDI GENOVA;	H01L21/285; H01L33/00; H01L21/263; H01L21/768;	Method for the synthesis of an array of metal nanowires capable of supporting localized plasmon resonances and method for making a photonic device comprising said array
US2011244692 A1 20111006	US20100320695P ;US201113078782 ;	UNIV LELAND STANFORD JUNIOR;	H01L21/30;	Method for forming a nano-textured substrate
US2011156121 A1 20110630	US20090650561;	CHARTERED SEMICONDUCTOR MFG;	H01L21/302; H01L21/28; H01L29/423;	Memory cell with improved retention

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US2011163421 A1 20110707	US20100291966P ;US20110983921;	UNIV MCGILL;	H01L21/302; H01L29/06;	Method for fabricating optical semiconductor tubes and devices thereof
US2011027998 A1 20110203	JP20070128789;J P20080077106;U S20080109701;U S20100880188;	CANON KK;	H01L21/308;	Method of manufacturing a nano structure by etching, using a substrate containing silicon
MY143356 A 20110429	US20040582905P ;WO2005AU00081 ;	VERY SMALL PARTICLE COMPANY PTY LTD;	H01L21/31;	Method for producing fine-grained particles
CN101959790 A 20110126	AU20080900526; WO2008AU01814;	QUCOR PTY LTD;	H01L21/31; B82B3/00; H01L21/28; B82B1/00;	Fabrication of atomic scale devices
TW201115646 A 20110501	US20090469304;	IBM;	H01L21/31; H01L29/06;	A method for forming a robust top-down silicon nanowirestructure using a conformal nitride and such structure
US2011092078 A1 20110421	US20080104028; US20100974225;	INNOVALIGHT INC;	H01L21/312;	Selective functionalization of doped group iv nanoparticlesurfaces using lewis acid/lewis base interaction
US2011024719 A1 20110203	US20080123822P ;US20090936938; WO2009US40346;		H01L21/3205; H01L29/66; C25B7/00;	Large scale nanoelement assembly method for makingnanoscale circuit interconnects and diodes
US2011193062 A1 20110811	US20050669838P ;US20060278999; US20100953210;	UNIV CALIFORNIA;	H01L21/329; H01L29/872;	Growth of and defect reduction in nanoscale materials
US2011253969 A1 20111020	US20100760998;	UNIV LELAND STANFORD JUNIOR;	H01L21/335;	Narrow graphene nanoribbons from carbon nanotubes
US2011033996 A1 20110210	FR20090001463;	CENTRE NAT RECH SCIENT;COMMISSARIAT ENERGIE ATOMIQUE;	H01L21/336;	Method for producing a conductive nanoparticle memory device

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US7960235 B1 20110614	CN20091243780;	INST OF MICROELECTRONICS CHINESE ACADEMY;	H01L21/336;	Method for manufacturing a mosfet with a surrounding gate of bulk si
US2011133165 A1 20110609	US20090631213;	IBM;	H01L21/336; H01L29/76;	Self-aligned contacts for nanowire field effect transistors
US2011272673 A1 20111110	US20100776485;	IBM;	H01L21/336; H01L29/775;	Directionally etched nanowire field effect transistors
CN101946326 A 20110112	KR20080014230; KR20080076550; KR20090010087; WO2009KR00707;	NAT UNIV CHUNGBUK IND ACAD;	H01L21/336; H01L29/775;	Single electron transistor operating at room temperature and manufacturing method for same
US2011278544 A1 20111117	US20100778534;	IBM;	H01L21/336; H01L29/775; H01L21/20;	Generation of multiple diameter nanowire field effect transistors
WO2011075228 A2 20110623	US20090653847;	CHU-KUNG BENJAMIN;INTEL CORP;JIN BEEN-YIH;PILLARISETTY RAVI;RACHMADY WILLY;RADOSAVLJEVIC MARKO;SHAH UDAY;	H01L21/336; H01L29/78;	Isolation for nanowire devices
US2011133167 A1 20110609	US20090631342;	IBM;	H01L21/336; H01L29/786; H01L29/66;	Planar and nanowire field effect transistors
US2011193183 A1 20110811	WO2006SG00227 ;	AGENCY SCIENCE TECH & RES;	H01L21/36; H01L29/06;	Nanowire sensor, nanowire sensor array and method offabricating the same
US2011042642 A1 20110224	FR20080051817; WO2009FR50470;	CENTRE NAT RECH SCIENT;COMMISSARIAT ENERGIEATOMIQUE;ECOLE POLYTECH;	H01L21/36; H01L29/12;	Method for producing nanostructures on metal oxide substrate,method for depositing thin film on same, and thin film device

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US2011045660 A1 20110224	US20020414323P; US20020414359 P;US2003044542 1P;US200304682 76P;US20030474 065P;US2003048 8801P;US200306 74030;US2005010 6340;US20060490 637;US200707603 82;US2010094078 9;	NANOSYS INC;	H01L21/36; H03H11/20; C01B31/02; H01L51/05; H01L29/786; H01L41/18; H01L29/06; H01L27/12; H01L21/77; H01L51/00; H01L41/22; H01L21/00; H01L21/20; H01L21/336;	Large-area nanoenabled macroelectronic substrates and uses therefor
US2011269297 A1 20111103	RU20080134160; WO2009RU00413 ;	FEDERALNOE G UNITARNOE PREDPRIATIE NI;	H01L21/42;	Method for synthesising semiconductor quantum dots
US2011212576 A1 20110901	US20080047677P; US20090428410; US201113103914;	UNIV IOWA RES FOUND;	H01L21/44;	Semiconductor heterostructure nanowire devices
US2011263129 A1 20111027	KR20100037984; KR20100039697;	POSTECH ACAD IND FOUND;	H01L21/465; H01L21/306;	Method of etching semiconductor nanocrystals
CN102064102 A 20110518	US20040578236P; US20040632570 P;US2005067113 4P;	NANOSYS INC;	H01L21/469; H01L29/40; H01L21/82; G03F7/075; G11C13/00; H01L29/739; H01L21/28; H01L21/312; H01L27/10;	Methods and devices for forming nanostructure monolayers and devices including such monolayers

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US2011168763 A1 20110714	US20030747927; US20070676448;	INTEL CORP;	H01L21/48; B23K35/02; B23K1/00; H01L21/44; H01L23/42; H01L21/50; B23K35/26; H01L23/373;	Nanotube modified solder thermal intermediate structure, systems, and methods
US2011108978 A1 20110512	US20090614215;	BOEING CO;	H01L21/50; H01L23/34; H01B1/04;	Graphene nanoplatelet metal matrix
DE10200902920 1 A1 20110310	DE200910029201;	BOSCH GMBH ROBERT;	H01L21/56; G01L9/00; G01D5/12; G01L1/26; B82B3/00; G01P15/08; B81B1/00; B81C1/00; G01F1/684; G01L11/00; B81B7/02;	Method for manufacturing semiconductor component in pressure sensor, involves separating connection of encapsulating compound, micro or nano-structured element and resin-coated-copper-foil from carrier connection layer
EP2302669 A1 20110330	EP20050800507; US20040625452P ;	TAIWAN SEMICONDUCTOR MFG;	H01L21/56; H01L23/29;	Encapsulation material for integrated circuits containing carbonnanotubes
US2011021016 A1 20110127	US20070898750; US20100923590; WO2005JP04765;	FUJITSU LTD;	H01L21/60;	Semiconductor package and method of manufacturing the same
US2011012090 A1 20110120	WO2007SG00422 ;	AGENCY SCIENCE TECH & RES;	H01L21/64; H01L21/335; H01L21/04; H01L29/775;	Silicon-germanium nanowire structure and a method of forming the same

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US2011227061 A1 20110922	KR20100023616;	INST RES AND INDUSTRY COOPERATIONPUSAN NAT UNIVERSITY;KOREA ELECTRONICS TELECOMM;	H01L21/64; H01L29/12;	Semiconductor oxide nanofiber-nanorod hybrid structure andenvironmental gas sensor using the same
EP2383776 A1 20111102	EP20000943112; US19990140201P ;	HARVARD COLLEGE;	H01L21/66; G01N27/416; G01N27/28; B81B1/00; B81C99/00;	Solid state nanopore device for evaluating biopolymers
US2011309507 A1 20111222	US20100820880;	IBM;	H01L21/66; H01L21/768; H01L23/532;	Methodology for evaluation of electrical characteristics of carbonnanotubes
US2011133166 A1 20110609	US20090631218;	IBM;	H01L21/66; H01L29/66; H01L21/336;	Nanowire fet having induced radial strain
KR20110087418 A 20110803	KR20100006830;	NANOSCOPESYSTEMS INC;	H01L21/67; G01N1/00; B81B3/00; H01J37/20;	A stage using flexure hinge module
US2011117723 A1 20110519	DE200610030267; US20070671688; US201113014771;	ADVANCED MICRO DEVICES INC;	H01L21/762; H01L21/768; H01L21/28;	Nano imprint technique with increased flexibility with respectto alignment and feature shaping
US2011278539 A1 20111117	US20100778526;	IBM;	H01L21/762; H01L27/12; H01L29/04; H01L21/70;	Generation of multiple diameter nanowire field effect transistors
US2011057163 A1 20110310	JP20080150439; WO2009JP60310;	NAT INST OF ADVANCED IND SCIEN;	H01L21/762; H01L29/66; H01L29/775;	Nano-wire field effect transistor, method for manufacturing thetransistor, and integrated circuit including the transistor

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WO2011041682 A1 20110407	US20090247706P; US20090248929 P;	BUSNAINA AHMED;KIMTAEHOON;SOMU SIVASUBRAMANIAN;UNIV NORTHEASTERN;YILMAZ CIHAN;	H01L21/768;	Nanoscale interconnects fabricated by electrical field directed assembly of nanoelements
TWI336897B B 20110201	US20030376088;	APPLIED MATERIALS INC;	H01L21/768; H01J37/073;	Ultra low k plasma cvd nanotube/spin-on dielectrics with improved properties for advanced nanoelectronic device fabrication
TWI339430B B 20110321	US20040787640;	IBM;	H01L21/768; H01L21/285; H01L23/48; H01L23/522;	Integrated circuit chip utilizing carbon nanotube composite interconnection vias
US2011031473 A1 20110210	US20090536741;	IBM;	H01L21/8234;	Nanomesh sram cell
US2011027951 A1 20110203	US20050161146; US20100902944;	IBM;	H01L21/8234;	Shared gate for conventional planar device and horizontal cnt
US2011249489 A1 20111013	US20100758939;	IBM;	H01L21/8238; H03K19/20; H01L21/336; G11C11/00;	Nanowire circuits in matched devices
US2011045649 A1 20110224	CN20091056728;	SEMICONDUCTOR MFG INT SHANGHAI;	H01L21/8242; H01L21/461; H01L21/336;	Method for manufacturing twin bit structure cell with al2o3/nano-crystalline si layer
US2011204331 A1 20110825	SE20070000792; WO2008SE50334;	QUNANO AB;	H01L21/8242; H01L27/108;	Charge storage nanostructure
KR20110005799 A 20110119	US20080044328P ;	SANDISK 3D LLC;	H01L21/8247; H01L27/115;	Memory cell that includes a carbon nano-tube reversible resistance-switching element and methods of forming the same
KR20110086089 A 20110727	US20080106893P ;	UNIV MICHIGAN;	H01L21/8247; H01L27/115;	A silicon based nanoscale crossbar memory

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WO2011011525 A1 20110127	US20090227403P ;US20090235994 P;US2010084008 1;	CHIEN HENRY;HIGASHITANI MASAAKI;KAI JAMES K;MATAMIS GEORGE;ORIMOTO TAKASHI;PURAYATH VINOD ROBERT;SANDISK CORP;	H01L21/8247; H01L27/115; H01L21/28;	Method of forming nanostructure-based nand flash cells and theperiphery circuits thereof
KR20110005694 A 20110118	US20080044414P ;US20090410789;	SANDISK 3D LLC;	H01L21/8247; H01L27/115; H01L27/24;	Memory cell that employs a selectively fabricated carbonnano-tube reversible resistance-switching element formed over a bottom conductor and methods of forming the same
US2011008937 A1 20110113	US20070729565; US20100885071;		H01L21/84;	Silicon germanium and germanium multigate and nanowirestructures for logic and multilevel memory applications
US2011027947 A1 20110203	US20060644055; US20100901365;	PALO ALTO RES CT INC;	H01L21/84;	Printing method for high performance electronic devices
US2011073842 A1 20110331	JP20080150547; WO2009JP60318;	NAT INSTITUTE OF ADVANCED IND SCIENCE AND TECHNOLOGY;	H01L21/84; H01L29/786;	Nano-wire field effect transistor, method for manufacturing thetransistor, and integrated circuit including the transistor
WO2011087633 A1 20110721	US20090633313;	WENDLING THOMAS P H F;WOBER MUNIB;YU YOUNG-JUNE;ZENA TECHNOLOGIES INC;	H01L23/02;	Vertical photogate (vpg) pixel structure with nanowires
DE10200900877 2 A1 20110127	DE200910008772;	HOCHSCHULE FURTWANGEN UNIVERSITY;	H01L23/14; B81C3/00; H01L21/58; B81B1/00; B82B1/00;	Self-adjusting bonding method for positioning, fixing, contacting ofchip on silicon surface, involves nano-structuring surface area of chip or chip carrier, where surface areas of needle are auxiliary nano-porous
US2011165405 A1 20110707	US20040610219P ;US20050203432; US20060589988;	NANOSYS INC;	H01L23/46;	Continuously variable graded artificial dielectrics using nanostructures
US2011103020 A1 20110505	US20030497849P ;US20040925824; US20060498408; US20070749116; US20080177815;	SAMSUNG ELECTRONICS CO LTD;	H01L23/473; H01L25/065; H01L23/373; H01L23/34;	Carbon nanotube-based structures and methods for removing heat from solid-state devices

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US2011248401 A1 20111013	US20100759534;		H01L23/48; B05D5/12; H01L21/441;	Nanotube-based electrodes
US2011316145 A1 20111229	TW20100121265;	UNIV NAT CENTRAL;	H01L23/48; H01L21/28;	Nano/micro-structure and fabrication method thereof
US2011266510 A1 20111103	WO2009US00516;		H01L23/48; H01L45/00;	Controlled placement of dopants in memristor active regions
US2011121257 A1 20110526	US20030485244P ;US20040883966; US20070004276; US20100942569;	PINON TECHNOLOGIES INC;	H01L23/49; H01L29/06; C30B29/62; C30B29/06; H01L33/24; C30B29/60; C30B29/08; H01L21/208;	Growth of single crystal nanowires
EP2273552 A2 20110112	EP20020757706; US20010280676P ;US20020349206 P;	UNIV CALIFORNIA;	H01L23/49; H01L41/09; H01L33/24; H01L29/12; H01L29/06; B82B1/00; H01L41/18; G02B6/10; H01L33/06; B82B3/00; H01L35/00;	Methods of fabricating nanstructures and nanowires and devicesfabricated therefrom
JP2011035424 A 20110217	US20080198744;	SEOUL NAT UNIV INDUSTRY FOUNDATION;	H01L23/52; B82B1/00; H01L21/3205; B82B3/00;	Circuit board including aligned nanostructure

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US2011018138 A1 20110127	WO2007SG00247 ;	AGENCY SCIENCE TECH & RES;	H01L23/538; H01L21/768;	Nano-interconnects for atomic and molecular scale circuits
CN102067307 A 20110518	US20080157842; WO2009US47209;	CUTLER PAUL H;	H01L25/00;	Apparatus and system for a single element solar cell
US2011073827 A1 20110331	US20090237155P ;US20100869215;	UNIV MARYLAND;	H01L27/04; H01L21/62;	Nanodevice arrays for electrical energy storage, capture and management and method for their formation
US2011095396 A1 20110428	CN20091197614;	SEMICONDUCTOR MFG INT SHANGHAI;	H01L27/08; H01L21/02;	Method and structure for silicon nanocrystal capacitor devices for integrated circuits

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EP2298968 A2 20110323	EP20010966109; US20000226835P; US20000254745 P;US2001029189 6P;US200102920 35P;US20010292 045P;US2001029 2121P;	HARVARD COLLEGE;	H01L27/10; G01N33/543; H01L21/02; H01L21/329; C30B7/00; G11C13/02; G11C13/00; H01L29/207; C30B25/00; H01L29/73; H01L51/30; H01L23/532; H01L29/88; C30B11/12; H01L29/16; G01N27/12; G01N27/414; H01L29/06; H01L51/00; H01L29/267; C30B29/60; B82Y10/00; C30B11/00; B82Y15/00; H01L21/331;	Method for growing nanowires
US2011034038 A1 20110210	US20040578236P ;US20040632570 P;US2005014800 1;US20050671134 P;US2006049518 8;US20100803568 ;	NANOSYS INC;	H01L27/10; H01L21/28; H01L21/3105; H01L21/82; H01L29/739;	Methods and devices for forming nanostructure monolayers and devices including such monolayers

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KR20110018437 A 20110223	SE20080001393;	QUNANO AB;	H01L27/108; H01L21/8242;	Nanostructured mos capacitor
KR101007057B B1 20110112	KR20090095691;	UNIV DONGGUK IND ACAD COOP;	H01L27/108; H01L21/8242;	Mim capacitor with nano structure and method for manufacturing the same
KR20110005797 A 20110119	US20080044406P ;US20090410771;	SANDISK 3D LLC;	H01L27/115; H01L21/8247;	Memory cell that employs a selectively fabricated carbon nano-tube reversible resistance-switching element, and methods of forming the same
KR20110081183 A 20110713	US20080192967P ;US20090269629 P;	UNIV SINGAPORE;	H01L27/115; H01L21/8247; G11C14/00; H01L21/8236;	Graphene memory cell and fabrication methods thereof
US2011090731 A1 20110421	CN20091197451;	SEMICONDUCTOR MFG INT SHANGHAI;	H01L27/12; G11C11/22;	Green transistor for nano-si ferro-electric ram and method of operating the same
US2011284723 A1 20111124	US20100340125P ;US201113065050 ;		H01L27/142; H01L31/0232; H01L27/146;	Semiconductor nano-wire antenna solar cells and detectors
WO2011048318 A1 20110428	FR20090057467;	CLAVELIER LAURENT; COMMISSARI AT ENERGIE ATOMIQUE; RABAROT MARC; TEMPLIER FRANCOIS;	H01L27/15;	Method for manufacturing a very-high-resolution screen using a nanowire-based emitting anisotropic conductive film
EP2286929 A1 20110223	EP20020792175; US20010915093; US20010915095; US20010915173;	NANTERO INC;	H01L27/24; H01L23/52; G11C23/00; G11C13/02; H01L27/10; B05D5/12; B82B1/00; H01L21/3205; H01L21/768;	Methods of nanotube films and articles
US2011227031 A1 20110922	WO2009US00070;		H01L27/24; H01L45/00;	Memristor devices configured to control bubble formation

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EP2321854 A2 20110518	US20080129878P; WO2009IL00722;	UNIV RAMOT;	H01L27/28; H01L31/0232; H01L51/05; H01Q1/24; H01L29/86; H01L31/0352; H01L29/06; H01Q9/28; H01L51/00;	Rectifying antenna device with nanostructure diode
EP2357683 A1 20110817	EP20060752049;E P20090163426;W O2006US16730;	UNIV WAKE FOREST;	H01L27/30; B82Y10/00; H01L51/44;	Organic optoelectronic devices and applications thereof
WO2011091257 A1 20110728	US20100298035P ;US20100298043 P;	UNIV LELAND STANFORD JUNIOR;	H01L29/00;	Joined nanostructures and methods therefor
AU2010212184 A1 20110901	GB20090001857; US20090152332P ;WO2010GB0018 9;	NANOCO TECHNOLOGIES LTD;	H01L29/00; G01N33/543; G01N33/58;	Encapsulated nanoparticles
US2011044091 A1 20110224	US20050280786; US20050679029P ;US20050692765 P;US2005069289 1P;US200506929 18P;US20100861 046;	NANTERO INC;	H01L29/00; G11C5/00; G11C11/56;	Two-terminal nanotube devices and systems and methods of making same
US2011104831 A1 20110505	US20050314718; US20050314738; US20050314751; US20080229993; US20100925844;	INVENTION SCIENCE FUND I LLC;	H01L29/02;	Deletable nanotube circuit

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US2011156003 A1 20110630	US20060857450P; US20070935884; US20100827098;	NANOSYS INC;	H01L29/02;	Systems and methods for nanowire growth
US2011248234 A1 20111013	DE200510051973; US20060588769; US201113167744;	INFINEON TECHNOLOGIES AG;	H01L29/02; H01L21/336; H01L29/772;	Vertical interconnect structure, memory device and associated production method
US2011101344 A1 20110505	WO2008GB02471 ;	CAMBRIDGE ENTPR LTD;PANASONIC CORP;	H01L29/04; H01L21/04;	Semiconductor material
US2011249322 A1 20111013	US20070790446;	HEWLETT PACKARD DEVELOPMENT CO;	H01L29/06;	Nanowire-based opto-electronic device
US2011104860 A1 20110505	US20090417819; US201113004340;	IBM;	H01L29/06;	Semiconductor nanowire with built-in stress
US2011068324 A1 20110324	JP20050034476;U S20070815871;U S20100955972;W O2006JP302349;	JAPAN SCIENCE & TECH AGENCY;	H01L29/06;	Transistor with nanotube structure exhibiting n-type semiconductor-like characteristics
US2011193052 A1 20110811	KR20070100350; WO2008KR02792;	KOREA ELECTRONICS TELECOMM;	H01L29/06;	Three-dimensional nanodevices including nanostructures
WO2011066818 A1 20110609	DE200910056530;	BAHR JOERG;CARSTENSEN JUERGEN;F OELL HELMUT;OSSEI-WUSU EMMANUEL;UNIV KIEL CHRISTIAN ALBRECHTS;	H01L29/06; B82Y10/00; B82Y40/00; H01M10/0562;	Nanowire structure having exposed, regularly arranged nanowire ends and method for producing such a structure

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WO2011090863 A1 20110728	US20100689310; US20100689326;	EASTMAN KODAK CO;HOLLAND MATTHEW;KAHEN KEITH BRIAN;	H01L29/06; B82Y40/00; B82Y20/00; B82Y10/00; H01L29/22; H01L33/28; H01L33/02; H01L21/02;	li-vi core-shell semiconductor nanowires
WO2011038228 A1 20110331	US20090245641P ;US20100326108 P;	COHEN-KARNI TZAHY;DUAN XIAOJIE;HARVARD COLLEGE;KEMPA THOMAS J;LIEBER CHARLES M;QING QUAN;TIAN BOZHI;XIE PING;	H01L29/06; G01N33/487;	Bent nanowires and related probing of species
US2011109688 A1 20110512	US20070878239P ;US20080006459; US201113011596;	NANOGRAM CORP;	H01L29/06; H01L21/00;	Silicon/germanium oxide particle inks, inkjet printing and processes for doping semiconductor substrates
US2011204318 A1 20110825	US20060433586; US20080199516; US20100973063;	IBM;	H01L29/06; H01L21/28;	Formation of carbon and semiconductor nanomaterials using molecular assemblies
US2011266521 A1 20111103	US20100282627P ;US201113044250 ;	UNIV TEXAS;	H01L29/06; H01L21/306;	Porous and non-porous nanostructures
US2011248386 A1 20111013	RU20030129927; US20060385355; US201113164387; WO2004RU00396 ;	WOSTEC INC;	H01L29/06; H01L21/306; B82B3/00; H01L21/302; H01L21/26;	Method of formation of coherent wavy nanostructures (variants)
US2011062419 A1 20110317	JP20080141161; WO2009JP02269;		H01L29/06; H01L21/336;	Field effect transistor and method for manufacturing the same

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US2011315962 A1 20111229	US20000254745P; US20010020004; US20010292035P; US20060582167; US20080038794; US20090571371; US20100792711; US201113083817;	HARVARD COLLEGE;	H01L29/06; H01L23/532; G01N27/327; G01N27/42; G01N33/566; G01N27/12; G01N27/333; G01N27/00; C30B25/00; H01L29/267; C30B11/00; H01L21/66; G01N27/416; G01N37/00; G01N27/414; G01N33/53; G11C13/02; G01N33/543; H01L21/20; H01L29/207; H01L51/30; G01N27/30;	Nanosensors
EP2319076 A1 20110511	FR20080055852; WO2009EP61203;	COMMISSARIAT ENERGIE ATOMIQUE;	H01L29/06; H01L23/532; H01L23/522; H01L21/768;	Substrate for an electronic or electromechanical component and nano-elements
EP2372751 A1 20111005	KR20100030504;	SAMSUNG ELECTRONICS CO LTD; UNIV DONGGUK IND ACAD COOP;	H01L29/06; H01L29/12; H01L29/16; H01L21/02; B82Y10/00; B82Y40/00;	Silicon nanowire comprising high density metal nanoclusters and method of preparing the same

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US2011168975 A1 20110714	US20080078567P; US200913000819; WO2009US03965; ;		H01L29/06; H01L33/06;	Caged quantum dots
CN102007571 A 20110406	US20080031333P; WO2009SE00098; ;	SMOLTEK AB;	H01L29/06; H01L51/00; H01L21/203; H01L21/3205; H01L21/363; H01L21/302; H01L21/18;	Deposition and selective removal of conducting helplayer for nanostructure processing
WO2011083632 A1 20110714	JP20100001037;	AOKI OSAMU;HIEDA KATSUHIKO;JSR CORP;	H01L29/06; H01L51/05; H01L45/00; H01L27/105; H01L27/10; H01L49/00; H01L51/30; H01L29/786; H01L51/40;	Memory cell and method for manufacturing memory cell
US2011133169 A1 20110609	US20090630942;	IBM;	H01L29/12;	Gate-all-around nanowire tunnel field effect transistors
US2011006281 A1 20110113	KR20090062149; KR20100055436;	SAMSUNG ELECTRONICS CO LTD;	H01L29/12; H01B1/12; H01L33/04;	Semiconductor nanocrystal and preparation method thereof
US2011253996 A1 20111020	TW20100109435;	UNIV NAT SUN YAT SEN;	H01L29/12; H01L21/02; C03C14/00;	Composite dielectric material doped with rare earth metal oxide and manufacturing method thereof
US2011062411 A1 20110317	US20090561694;	IBM;	H01L29/12; H01L21/762; H01L21/336;	Mosfet with a nanowire channel and fully silicided (fusi) wrapped around gate

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EP2297782 A1 20110323	SE20080001648; WO2009SE50857;	QUNANO AB;	H01L29/12; H01L29/06; H01L29/80; H01L27/105; H01L29/02;	Nanostructured memory device
AU2010204926 A1 20110714	US20090205459P ;US20090211746 P;WO2010US001 13;	UNIV LELAND STANFORD JUNIOR;	H01L29/12; H01L29/92; H01L29/06; H01L21/02;	Quantum dot ultracapacitor and electron battery
US2011084271 A1 20110414	JP20090236780;	SEMICONDUCTOR ENERGY LAB;	H01L29/12; H01L33/08;	Semiconductor device and manufacturing method thereof
US2011180140 A1 20110728	US20100299129P ;US201113015170 ;	UNIV CENTRAL FLORIDA RES FOUND;	H01L29/15; H01G9/155; C08K3/04; C08L53/00; H01L51/44; H01L31/0224; C08G75/06;	Supramolecular structures comprising at least partially conjugated polymers attached to carbon nanotubes or graphenes
US2011175060 A1 20110721	JP20100015088;J P20100169124;		H01L29/16; H01L21/20;	Graphene grown substrate and electronic/photonic integrated circuits using same

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US2011012061 A1 20110120	US20020402726P ;US20030638546; US20080213001; US20100888161;	MASSACHUSETTS INST TECHNOLOGY;	H01L29/267; C30B7/00; H01L29/225; D02G3/00; H01L21/20; C04B41/46; G09G3/34; C30B29/60; H01L21/368; H01L29/165; C30B29/10; C09K11/00; G01N33/543; H01L29/06; C09K11/54; H01L29/205; C30B33/00; H01L31/00; H01L21/208; C09K11/88; G01N33/58;	Semiconductor nanocrystal heterostructures
WO2011014172 A1 20110203	WO2009US52255;	BRATKOVSKI ALEXANDRE;HEWLETT PACKARD DEVELOPMENT CO;RIBEIRO GILBERTO;WANG SHIH- YUAN;WILLIAMS STANLEY;YANG JIANHUA;	H01L29/40;	Electroforming-free nanoscale switching device
US2011057164 A1 20110310	US20070008034P ;US20070936049 P;US2008014056 4;	CALIFORNIA INST OF TECHN;	H01L29/41; H01L21/302;	Carbon nanotube field emission device with overhanging gate

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US2011156009 A1 20110630	US20090651288;	NANTERO INC;	H01L29/41; H01L27/11; H01L29/12; H01L29/43;	Compact electrical switching devices with nanotube elements, and methods of making same
WO2011133158 A1 20111027	WO2010US32071;	HEWLETT PACKARD DEVELOPMENT CO;WU WEI;XIA QIANGFEI;YANG JIANHUA;	H01L29/417;	Switchable two-terminal devices with diffusion/drift species
US2011221027 A1 20110915	WO2009US00517;		H01L29/47;	Using alloy electrodes to dope memristors
EP2357662 A2 20110817	EP20070252410; US20060641956; US20070688087; US20070743085; US20070931488P ;	NANOSYS INC;	H01L29/51; B82Y10/00; G11C11/56; G11C16/10; H01L21/28; H01L29/423;	Electron blocking layers for gate stacks of nonvolatile memory devices
US2011210308 A1 20110901	KR20080016470; US20080318521; US201113072286;		H01L29/66;	Layers and patterns of nanowire or carbon nanotube using chemical self assembly and fabricating method in liquid crystal display device thereby
CN102217072 A 20111012	US20080136626P ;WO2009SG0035 0;	AGENCY SCIENCE TECH & RES;UNIV NANYANG;	H01L29/66;	Electronic device with channel, electrodes and semiconductor formed on respective bonded substrates
US2011215297 A1 20110908	US20040582513P ;US20050165126; US20090423384; US201113108232;	QUNANO AB;	H01L29/66;	Formation of nanowhiskers on a substrate of dissimilar material
US2011220865 A1 20110915	JP20100054853;	TOSHIBA KK;	H01L29/66;	Transistor and manufacturing method thereof

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US2011166045 A1 20110707	US20090265441P ;US20100957921;		H01L29/66; G01N21/41; H01L21/20; C40B60/12; G01N21/55;	Wafer scale plasmonics-active metallic nanostructures and methods of fabricating same
US2011210309 A1 20110901	US20080193196P ;US20090272291 P;US2009131274 76;WO2009IL0103 0;	UNIV RAMOT;	H01L29/66; H01L21/20;	Tubular nanostructures, processes of preparing same and devices made therefrom
US2011163296 A1 20110707	US20060762788P ;US20070161294; WO2007US02104;		H01L29/66; H01L21/336; H01L29/786; H01Q1/38; H01L21/28; H01L21/3205; H01L21/20;	Cnt-based sensors: devices, processes and uses thereof
GB2473696 A 20110323	DE200910041642; GB20100008164;	OHNESORGE FRANK MICHAEL;	H01L29/66; H01L27/105; H01L49/00; H01L29/775; H01L29/12; H01L31/06;	Nanotube devices
US2011073841 A1 20110331	KR20060112875; US20070853313; US20100961883;	SAMSUNG ELECTRONICS CO LTD;	H01L29/66; H01L29/78;	Nano line structures in microelectronic devices

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US2011108799 A1 20110512	GB20050016598; US20080997973; US20100959749; WO2006GB03028 ;		H01L29/66; H01L31/0296; C30B7/00; C09K11/02; C30B29/60; H01L21/20; C01G9/08;	Nanoparticles
US2011168981 A1 20110714	US20080011044; US20110986440;		H01L29/73; H01L21/331;	Nanotube array bipolar transistors
US2011062993 A1 20110317	US20030494889P ;US20040917893; US20060602795; US20090476808; US20100951896;	NANTERO INC;	H01L29/73; H01L27/28; H01L29/84; H03K19/20; H01L29/06; H01L51/30; H01L29/72; H01L21/00; H01H59/00; H01L29/78; G11C13/02;	Nanotube-based switching elements and logic circuits
TWI343123B B 20110601	US20040767065;	IBM;	H01L29/732; B82B1/00; H01L51/05; B82B3/00; C01B31/02; H01L27/28; H01L51/30; H01L51/40;	Vertical nanotube semiconductor device structures and methods offorming the same
US2011031548 A1 20110210	US20080103246; US20100909027;	FREESCALE SEMICONDUCTOR INC;	H01L29/76;	Split gate non-volatile memory cell with improved endurance and method therefor

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US2011079770 A1 20110407	US20050739666P; US20060775060 P;US2008009496 0;US20100881778 ;WO2006US45388 ;	UNIV RICE WILLIAM M;	H01L29/76;	Preparation of thin film transistors (tfts) or radio frequency identification (rfid) tags or other printable electronics using ink-jet printer and carbon nanotube inks
US2011073936 A1 20110331	US20080339262; US20090436558; US20100964727;	FREESCALE SEMICONDUCTOR INC;	H01L29/76; H01L21/336;	Nanocrystal memory with differential energy bands and method of formation
US2011156109 A1 20110630	US20090282190P ;US20100979406;	UNIV CRETE;UNIV DENMARK TECH DTU;UNIV RAMOT;	H01L29/772; C25B9/00;	Method and system for manipulating organic nanostructures
WO2011088340 A2 20110721	US20100295593P ;	LIU BAO;UNIV TEXAS;	H01L29/772; H01L21/335;	A carbon nanotube crossbar based nano-architecture
US2011062418 A1 20110317	US20070899667P ;US20080025562; US20100951067;		H01L29/775;	Molecular transistor driving of nanoscale actuators from differential amplifier circuits compatible with carbon nanotube sensors and transducers
US2011079769 A1 20110407	FR20050050605; WO2006FR50200;		H01L29/775;	Nanometric mos transistor with maximized ration between on-state current and off-state current
US2011108804 A1 20110512	US20090365623; US201113006833;	IBM;	H01L29/775;	Maskless process for suspending and thinning nanowires
US2011175063 A1 20110721	US20090417796; US201113075551;	IBM;	H01L29/775;	Semiconductor nanowires having mobility-optimized orientations
US2011147715 A1 20110623	US20080061710P ;US20080074254 P;US2009099692 4;WO2009US4744 2;	PURDUE RESEARCH FOUNDATION;	H01L29/775; H01L21/20;	Medium scale carbon nanotube thin film integrated circuits on flexible plastic substrates

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US2011253970 A1 20111020	US20070932636P; US20080131697; US201113065396;		H01L29/775; H01L21/336;	Transparent nanowire transistors and methods for fabricating same
EP2313915 A1 20110427	US20080221068; WO2009FI50536;	NOKIA CORP;	H01L29/775; H01L21/336; H01L29/06; H01L21/335; H01L51/00;	A lithographic process using a nanowire mask, andnanoscale devices fabricated using the process
US2011163297 A1 20110707	US20070779220; US201113050750;		H01L29/775; H01L29/06;	Core-shell-shell nanowire transistor
US2011180777 A1 20110728	US20080195524; US201113077216;	IBM;	H01L29/775; H01L29/12;	Method of placing a semiconducting nanostructure andsemiconductor device including the semiconducting nanostructure
EP2383785 A2 20111102	EP20060748043;S E20050001376;W O2006SE50204;	QUNANO AB;	H01L29/775; H01L29/165; H01L29/205;	A nanoscale electronic device
US2011309330 A1 20111222	DE200810015118;		H01L29/775; H01L31/0352;	2-dimensional quantum wire array field effecttransistor/power-transistor/switch/photo-cell
US2011260240 A1 20111027	KR20080041443; US20080327346; US201113177292;	HYNIX SEMICONDUCTOR INC;	H01L29/78;	Semiconductor device
US2011156133 A1 20110630	US20070622358; US201113041754;	IBM;	H01L29/78;	Semiconductor nanostructures, semiconductor devices, and methods of making same
US2011309336 A1 20111222	KR20100058229;	SAMSUNG ELECTRONICS CO LTD;	H01L29/78; B32B15/04;	Semiconducting graphene composition, and electrical deviceincluding the same
US2011147802 A1 20110623	US20090645959;	NOKIA CORP;	H01L29/78; H01L21/768;	Sensor

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CN102036918 A 20110427	JP20080135379; WO2009JP59550;	NAT INST FOR MATERIALS SCIENCE;	H01L29/78; H01L21/8242; H01G4/33; H01L27/108; H01L21/316; H01G4/10; C01G33/00;	Dielectric film, dielectric element, and process for producing thedielectric element
US2011233512 A1 20110929	US20050709044P ;US20080015044; WO2006US32153;	UNIV CALIFORNIA;	H01L29/78; H01L29/08; H01L21/336;	Vertical integrated silicon nanowire field effect transistorsand methods of fabrication
WO2011111574 A1 20110915	JP20100054718;	CANON KK;KOTO MAKOTO;	H01L29/786; B82B3/00; H01L21/205; H01L29/06;	Method of manufacturing semiconductor device
EP2335285 A1 20110622	US20090371943; WO2009EP66922;	IBM;	H01L29/786; H01L29/78; H01L29/06; H01L21/336;	Nanowire mesh device and method of fabricating same
US2011233641 A1 20110929	US20060498523; US20060513933; US201113154618;	MICRON TECHNOLOGY INC;	H01L29/788;	Non-volatile memory cell devices and methods
US2011254072 A1 20111020	US20100762712;	MICRON TECHNOLOGY INC;	H01L29/788; H01L21/02; H01L27/115; H01L21/336;	Charge storage structures and methods

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US2011204432 A1 20110825	US20040578236P; US20040632570 P;US2005014800 1;US20050671134 P;US2006049518 8;US20070881739 ;US201113098082 ;	NANOSYS INC;	H01L29/792;	Methods and devices for forming nanostructure monolayers and devices including such monolayers
US2011210386 A1 20110901	US20050185113; US201113088777;		H01L29/792; H01L21/336;	Devices with nanocrystals and methods of formation
US2011084345 A1 20110414	KR20090097449;	SAMSUNG ELECTRONICS CO LTD;	H01L29/84;	Apparatuses for generating electrical energy
US2011049650 A1 20110303	US20090549906;	SAMSUNG ELECTRONICS CO LTD;	H01L29/84;	Electro-mechanical transistor
RU2412898 C1 20110227	RU20100105333;	BASHKOV VALERIJ MIKHAJLOVICH;FEDORENKO IVAN ALEKSANDROVICH;FEDORKOVA NINA VALENTINOVNA;FEDOROV IGOR BORISOVICH;IVANOV JURIJ ALEKSANDROVICH;MESHKOV SERGEJ ANATOL EVICH;NARAJKIN OLEG STEPANOVICH;SHASHURIN VASILIJ DMITRIEVICH;SINJAKIN VLADIMIR JUR EVICH;	H01L29/861; B81B1/00;	Nanoelectronic semiconductor rectifier diode
US2011220876 A1 20110915	JP20100057549;	TOSHIBA KK;	H01L29/88;	Semiconductor memory device

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US2011193055 A1 20110811	US20030459990P ;US20040814630; US20080230086; US201113033111;	QUNANO AB;	H01L29/885; H01L21/225; H01L29/06; C30B11/00; H01L29/861; H01L33/00; H01L21/205; C30B11/12;	Nanowhiskers with pn junctions, doped nanowhiskers, and methods for preparing them
US2011233523 A1 20110929	KR20060097507; US20070905758; US201113152900;	SAMSUNG ELECTRONICS CO LTD;	H01L31/00; H01L21/02; H01L29/06;	Single electron transistor
EP2279054 A2 20110202	IE20080000326;U S20080071392P; US20080136809P ;WO2009IE00016;	NAT UNIV IRELAND;	H01L31/02; H01L31/0224; B22F1/00; C09D11/00; H01M4/88; H01M8/00;	An ink comprising nanostructures
US2011023955 A1 20110203	US20070946250P ;US20080666768; US20080972491; WO2008US50780; WO2008US68446;		H01L31/0224;	Lateral collection photovoltaics
US2011163403 A1 20110707	US20090266945P ;US20100960316;	CAMBRIOS TECHNOLOGIES CORP;	H01L31/0224; H01B1/08; H01B1/04; G02B5/02;	Nanostructure-based transparent conductors having increased hazeand devices comprising the same
WO2011016832 A2 20110210	US20090461349;	GUARDIAN INDUSTRIES;VEERASAMY VIJAYEN S;	H01L31/0224; H01L21/768; H01L51/44; H01L31/075;	Electronic device including graphene-based layer(s),and/or method of making the same

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WO2011041762 A2 20110407	US20090248178P ;	FONG HAO;GALIQUEAU DAVID;JOSHI PRAKASH;QIAO QIQUAN;UNIV SOUTH DAKOTA;ZHANG LIFENG;	H01L31/0224; H01L31/042;	Semiconductor nanoparticle/nanofiber composite electrodes
CN102047434 A 20110504	EP20080103442; WO2009EP54233;	FOM INST FOR ATOMIC AND MOLECU;	H01L31/0224; H01L31/052;	Photovoltaic cell with surface plasmon resonance generating nano-structures
WO2011106438 A1 20110901	US20100712096; US201161442693 P;	CAMBRIOS TECHNOLOGIES CORP;DAI HAIXIA;NA SHUO;SPAIMICHAEL A;WOLK JEFFREY;	H01L31/0224; H01L31/18; H01L51/44; B82Y40/00; H01L51/10; B82Y10/00; H01L51/00;	Nanowire-based transparent conductors and methods of patterning same
CN101971354 A 20110209	US20070913231P ;US20070978635 P;US2008003164 3P;WO2008US60 938;	CAMBRIOS TECHNOLOGIES CORP;	H01L31/0224; H01L33/00;	High contrast transparent conductors and methods of forming the same
US2011133061 A1 20110609	US20090633323;	ZENA TECHNOLOGIES INC;	H01L31/0232; H01L31/09; H01L27/146; G02B6/02;	Nanowire photo-detector grown on a back-side illuminated imagesensor
US2011095266 A1 20110428	DE200810029782; WO2009EP57864;		H01L31/0256;	Photodetector and method for the production thereof
WO2011154896 A1 20111215	FR20100002410;	COMMISSARIAT ENERGIE ATOMIQUE;QUESNEL ETIENNE;	H01L31/0264;	Nanocomposite material and its use in optoelectronics
EP2332175 A2 20110615	US20080095422P ;WO2009US55143 ;	VANGUARD SOLAR INC;	H01L31/0272; H01L51/42; H01L51/00;	Solar cells and photodetectors with semiconducting nanostructures

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EP2310321 A1 20110420	GB20080014458; US20080088100P ;WO2009GB0192 8;	NANOCO TECHNOLOGIES LTD;	H01L31/0296; C30B7/00; C30B29/60; C01G9/08; C09K11/02;	Surface functionalised nanoparticles
US2011023948 A1 20110203	US20060439011; US20100815590;		H01L31/0296; H01L31/0224; H01L31/0304; H01L33/08; H01L31/0256;	Solar cell employing a nanowire
US2011175126 A1 20110721	US20100295288P ;US20100295306 P;US2011130087 02;		H01L31/0352;	Light-emitting diode structure
DE10200902905 4 A1 20110303	DE200910029054;	EVONIK DEGUSSA GMBH;	H01L31/0352; C08J3/09; B82B1/00; H01L29/786; B82B3/00; H01L23/52; C01B33/00;	New nanoscale silicon particles that are functionalized bycovalently bonded organic groups, useful to produce or in electronic components e.g. A solar cell, sensor, thin film transistor and conducting path, and for producing dispersion
CN102171836 A 20110831	US20080088826P ;WO2009US53893 ;	BROOKHAVEN SCIENCE ASS LLC;	H01L31/0352; H01L31/0224; H01L51/44;	Structured pillar electrodes
US2011143472 A1 20110616	SE20070000102; US20080308249; US20100941486; WO2008SE50036;	QUNANO AB;	H01L31/0352; H01L31/0256;	Nitride nanowires and method of producing such

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US2011041895 A1 20110224	US20060835948P; US20070376598; US20070925213P; WO2007US17544;		H01L31/0352; H01L31/18;	Composite organic materials and applications thereof
US2011062416 A1 20110317	WO2008US62683;		H01L31/0352; H01L31/18;	Nanowire-based photodiode
US2011309233 A1 20111222	US20100357429P; US20100966514;	HARVARD COLLEGE; ZENA TECHNOLOGIES INC;	H01L31/0352; H01L31/18; H01L27/146;	Selected spectral absorption of nanowires
CN102160188 A 20110817	US20080087455P; WO2009US53298;	CORNELL RES FOUNDATION INC;	H01L31/0384;	Inorganic bulk multijunction materials and processes for preparing the same
US2011136289 A1 20110609	KR20040091898; US20050102930; US20090404693; US201113028765;	SAMSUNG ELECTRONICS CO LTD;	H01L31/0384; H01L31/0272; H01L31/0296;	Photodetector using nanoparticles
US2011240111 A1 20111006	JP20100079817;		H01L31/04; B32B5/16; B32B3/30; G02B6/42; H01L31/0216;	Carbon nanotube assembly, solar cell, waveguide and substrate with the same carbon nanotube assembly
DE10201001204 4 A1 20110922	DE201010012044;	FRAUNHOFER GES FORSCHUNG; UNIV SCHILLER JENA;	H01L31/04; H01L31/0236; H01L31/10; H01L31/18;	Structured silicon layer for e.g. Silicon solar cell, has boundary surface with bent partial surfaces exhibiting nano-structure that is extended into layer up to depth between four hundred nanometer and five micrometer
KR20110095659 A 20110825	KR20100015251;	SAMSUNG ELECTRONICS CO LTD;	H01L31/04; H01L41/04;	Electric energy generator

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WO2011093967 A2 20110804	US20090290129P ;US20100380190 P;	ATWATER HARRY A;CALIFORNIA INST OF TECHN;FERRY VIVIAN;POLMAN ALBERT;SCHROPP RUUD;VERSCHUUREN MARC;	H01L31/042;	Light-trapping plasmonic back reflector design for solar cells
KR20110127023 A 20111124	KR20100046634;	HYUNDAI MOTOR CO LTD;UNIST ACADEMY INDUSTRY RES CORP;	H01L31/042; C08F293/00; C08G75/06; C08G61/12;	Donor-acceptor rod-coil diblock copolymer for organic solar cells andsynthesis method thereof
US2011011436 A1 20110120	US20090506079;		H01L31/042; H01L21/30;	Solar array of transparent nanoantennas
US2011308564 A1 20111222	US20050711004P ;US20060401606; US20060509269; US20060799293P ;US201113092512 ;	TRUSTEES BOSTON COLLEGE;	H01L31/042; H01L31/18;	Apparatus and methods for solar energy conversion usingnanoscale cometal structures
CN101960611 A 20110126	US20080039900; US20080039953; WO2009EP51541;	IBM;	H01L31/052; H01L31/0352; H01L31/072; H01L31/18;	Photovoltaic devices with high-aspect-ratio nanostructures
CN102099918 A 20110615	SE20080001649; WO2009SE50858;	QUNANO AB;	H01L31/06; H01L29/12; H01L33/00; H01L29/06; H01L31/102;	Optoelectronic semiconductor device
US2011315201 A1 20111229	TW20100120910;	UNIV NAT TAIWAN;	H01L31/06; H01L31/0352;	Solar cell and method for fabricating the heterojunction thereof
US2011203650 A1 20110825	JP20100040607;	SEIKO EPSON CORP;	H01L31/06; H01L31/18;	Optical converter device and electronic equipment including theoptical converter device

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US2011162695 A1 20110707	JP20050048551;US20050191058;US201113046289;	FUJI XEROX CO LTD;	H01L31/068;	Solar cell using carbon nanotubes and process for producing thesame
EP2272097 A2 20110112	US20080049594P;US20080110220P;US20090351378;US20090419846;WO2009US41797;	UNIV MICHIGAN;	H01L31/101;H01L51/42;H01L31/042;	Improved polymer wrapped carbon nanotube near-infrared photoactive devices
EP2375242 A1 20111012	EP20100159175;	FOM INST FOR ATOMIC AND MOLECULAIR PHYSICS;	H01L31/108;H01L27/144;G02B6/122;B01L3/00;C09K11/59;H01L31/06;G01N21/64;H01L33/00;G01N21/77;H01L31/12;H01L31/0368;H01L31/103;H01L31/0384;	Integrated plasmonic nanocavity sensing device
CN102142482 A 20110803	CN20111004415;	UNIV BEIJING SCIENCE & TECH;	H01L31/108;H01L31/0224;H01L31/18;B81C1/00;	Method for preparing schottky contact zno nano array ultraviolet detection device
US2011212566 A1 20110901	IT2003TO00425;US20040863635;US20090551468;US201113082805;	ST MICROELECTRONICS SRL;	H01L31/18;	Optically controlled electrical-switch device based upon carbon nanotubes and electrical-switch system using the switch device

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CN102201483 A 20110928	CN20111124310;	INST SEMICONDUCTORS CAS;	H01L31/18; B81C1/00; H01L31/0352; H01L31/105;	Silicon nanowire grating resonant enhanced photoelectric detector and manufacturing method thereof
US2011174364 A1 20110721	US20070768690; US20080138114; US20090433560; US20090484608; US20090636402; US201113006410;	HONEYWELL INT INC;	H01L31/18; B82Y20/00; H01L31/06;	Nanostructured solar cell
US2011116154 A1 20110519	GB20080007793; WO2009GB01064 ;		H01L31/18; G02F1/23; H01L33/58; H01L31/0232;	Electrically-tunable optical devices
US2011180133 A1 20110728	US20080258263; US20090419178; US20090553300; US20100766829;	APPLIED MATERIALS INC;	H01L31/18; H01L31/0224;	Enhanced silicon-tco interface in thin film silicon solar cells using nickel nanowires
US2011162698 A1 20110707	KR20100000902;	SAMSUNG ELECTRONICS CO LTD;	H01L31/18; H01L31/0256; H01L31/0224;	Solar cells using nanowires and methods of manufacturing the same
US2011048518 A1 20110303	US20090236960P ;US20090246432 P;US2010085781 6;	MOLECULAR IMPRINTS INC;UNIV TEXAS;	H01L31/18; H01L31/0352; H01L31/105;	Nanostructured thin film inorganic solar cells
US2011290310 A1 20111201	JP20100121571;		H01L31/18; H01L31/06;	Solar cell and solar cell manufacturing method
US2011237015 A1 20110929	US20040002850; US20090388895; US20100851893; US201113152977;	SPIRE CORP;	H01L31/18; H01L31/07;	Nanophotovoltaic devices

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WO2011119707 A2 20110929	US20100316770P ;US20100391564 P;	CAMBRIOS TECHNOLOGIES CORP;WINOTO ADRIAN;WOLK JEFFREY;	H01L31/18; H05K9/00; H01B1/22; B82Y10/00; H01L51/00; H01L31/0224; H05K1/09; H01L51/52;	Etch patterning of transparent conductors with metal nanowires
EP2297794 A1 20110323	SE20080001621; WO2009SE50878;	GLO AB;	H01L33/00;	A nanostructured led
US2011229995 A1 20110922	US20080021257P ;US20090354552; US201113116161;	GOEKEN GROUP CORP;	H01L33/00;	Silicon nanoparticle white light emitting device
EP2389692 A1 20111130	US20090145925P ;WO2010US21461 ;	UNIV UTAH RES FOUND;	H01L33/00;	Post-synthesis modification of colloidal nanocrystals
US7906354 B1 20110315	US20100749929;	EASTMAN KODAK CO;	H01L33/00; H01L21/00;	Light emitting nanowire device
US2011073837 A1 20110331	US20090246087P ;US20100891764;	UNIV SOUTHERN CALIFORNIA;	H01L33/00; H01L21/336; H01L21/36;	High-performance single-crystalline n-type dopant-doped metal oxidenanowires for transparent thin film transistors and active matrix organic light-emitting diode displays
US2011229998 A1 20110922	US20040550314P ;US20050071244; US20070819413;	MASSACHUSETTS INST TECHNOLOGY;	H01L33/00; H01L29/08; H01L35/24;	Blue light emitting semiconductor nanocrystal materials
WO2011009465 A1 20110127	EP20090166255; US20090227888P ;	CLAUDON JULIEN;COMMISSARIAT ENERGIE ATOMIQUE;GERARD JEAN-MICHEL;GREGERSEN NIELS;UNIV DANMARKS TEKNISKE;	H01L33/00; H01L33/06;	An electrically driven single photon source

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US2011101303 A1 20110505	KR20050090082; US20060390851; US20110985873;	SAMSUNG ELECTRONICS CO LTD;	H01L33/00; H01L33/06;	Light-emitting device comprising semiconductor nanocrystal layerfree of voids and method for producing the same
US2011233573 A1 20110929	DE200810062283; WO2009EP66719;	UNIV DRESDEN TECH;	H01L33/02;	Method for producing temperature-stable large-size emitting leds and leds
US2011315953 A1 20111229	US20100824288;	IBM;	H01L33/02; H01L21/20; H01L33/04; H01L29/12; H01L29/775; H01L21/335;	Method of forming compound semiconductor
US2011140071 A1 20110616	US20090286310P ;US20100967970;		H01L33/04;	Nano-spherical group iii-nitride materials
US2011220869 A1 20110915	KR20100021013;	SAMSUNG MOBILE DISPLAY CO LTD;	H01L33/04;	Quantum dot organic light emitting device and method of fabricating the same
US2011315954 A1 20111229	KR20100060233;	SAMSUNG ELECTRONICS CO LTD;	H01L33/04; H01L21/20;	Semiconductor nanocrystal, method of manufacture thereof and articles including the same
US2011017975 A1 20110127	US20060831710P ;US20070779638; US20100898162;	UNIV SOUTHERN CALIFORNIA;	H01L33/04; H01L21/28;	Organic optoelectronic device electrodes with nanotubes
US2011309354 A1 20111222	US20100326422P ;US20100328222 P;US2010038533 8P;US201113091 855;	GEORGIA TECH RES INST;	H01L33/04; H01L21/36; H01L33/26;	Large-scale fabrication of vertically aligned zno nanowire arrays
US2011012087 A1 20110120	US20080022885P ;US20090864488; WO2009US00406;		H01L33/04; H01L33/16;	Semiconductor nanocrystals

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CN102255018 A 20111123	SE20060002841;S E20070000102;SE 20070002404;US2 0070812225;	QUNANO AB;	H01L33/04; H01L33/24; H01L33/00;	Nanostructured led array with collimating reflectors
US2011095261 A1 20110428	US20080026967P ;US20100851336; WO2008US13504;		H01L33/06;	Flexible devices including semiconductor nanocrystals, arrays, and methods
US2011168976 A1 20110714	US20080083350P ;US200913002482 ;WO2009US51574 ;	UNIV CALIFORNIA;	H01L33/06;	Micro- and nano-structured led and oled devices
US2011212561 A1 20110901	US20050690474P ;US20080922008; US201113105132; WO2006IL00695;	YISSUM RES DEV CO;	H01L33/06;	iii-v semiconductor core-heteroshell nanocrystals
US2011095324 A1 20110428	SG20060005650; US20070843401; US20100938973;	AGENCY SCIENCE TECH & RES;	H01L33/06; B29D11/00;	Method for fabricating micro and nano structures
US2011127932 A1 20110602	US20060822197P ;US20070376364; WO2007US75593;	MASSACHUSETTS INST TECHNOLOGY;	H01L33/06; C01B17/00; H05B37/00; C09K11/56; H01L33/08;	Blue light emitting semiconductor nanocrystals and devices
US2011278534 A1 20111117	US20060777131P ;US20070712128; US201113032076;		H01L33/06; H01L31/18; H01L31/0352;	Optoelectronic devices utilizing materials having enhanced electronic transitions
US2011215295 A1 20110908	DE200810056175; WO2009DE01449;	OSRAM OPTO SEMICONDUCTORS GMBH;	H01L33/06; H01L33/30;	Method of producing a radiation-emitting thin film component and radiation-emitting thin film component

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US2011163308 A1 20110707	DE200710031600; WO2008DE01108;		H01L33/08; H01L33/30; H01L33/28; H01L33/18;	Array of vertical uv light-emitting diodes and method for producing it
US2011309382 A1 20111222	US20100356167P; US201113163280;	GLO AB;	H01L33/12; H01L33/60;	Nanowire led structure and method for manufacturing the same
WO2011117056 A1 20110929	DE201010012711;	BERGBAUER WERNER;LUGAUER HANS-JUERGEN;OSRAM OPTO SEMICONDUCTORS GMBH;RODE PATRICK;STRASSBURGMARTIN;	H01L33/18; H01L21/02; B82Y20/00; H01L33/32; H01L33/00; H01L33/20;	Radiation-emitting semiconductor component and method for producing a radiation-emitting semiconductor component
US2011163292 A1 20110707	US20060870559P; US20070520082; WO2007US88001;	UNIV CALIFORNIA;	H01L33/18; H01L33/28; H01L33/30; H01L33/06;	Nanowire array-based light emitting diodes and lasers
US2011316019 A1 20111229	SE20060002840; US20070812226; US201113227950;	QUNANO AB;	H01L33/26;	Nanoelectronic structure and method of producing such
US2011012168 A1 20110120	JP20080065452;J P20080137145;W O2009JP54851;	PANASONIC ELEC WORKS CO LTD;	H01L33/32; H01L33/00;	Compound semiconductor light-emitting element and illumination device using the same, and method for manufacturing compound semiconductor light-emitting element
US2011229992 A1 20110922	US20070777461; US201113150590;	3M INNOVATIVE PROPERTIES CO;	H01L33/44;	Light extraction film for organic light emitting diode lighting devices
US2011180776 A1 20110728	FR20070007385; WO2008FR01484;	COMMISSARIAT AL EN ATOMIQUE ET AUX EN ALTERNATIVES;	H01L33/44; H01L33/04;	Optoelectronic device based on nanowires and corresponding processes
KR101047721B B1 20110708	KR20100020755;	LG INNOTEK CO LTD;	H01L33/44; H01L33/36;	Light emitting device, method for fabricating the light emitting device and light emitting device package

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US2011212556 A1 20110901	JP20070217512;U S20080222671;U S201113105494;	SUMITOMO ELECTRIC INDUSTRIES;	H01L33/58;	Process to form a mold of nanoimprint technique for making diffraction grating for dfb-laser
US2011210368 A1 20110901	KR20080092814; KR20090089314; WO2009KR05375;	KOREA ADVANCED INST SCI & TECH;	H01L33/58; G02B13/14; B29C33/42; G02B1/12;	Micro-composite pattern lens, and method for manufacturing same
US2011260191 A1 20111027	US20100328070P ;US201113094338	INST SCIENCE & TECH KWANGJU;	H01L33/58; H01L33/60;	Light-emitting diode having zinc oxide nanorods and method of fabricating the same
US2011198636 A1 20110818	KR20080098503; WO2009KR05733;	KOREA ADVANCED INST SCI & TECH;	H01L33/58; H01L33/60;	Organic light emitting diode device
US2011297202 A1 20111208	KR20100053598;	SAMSUNG ELECTRONICS CO LTD;	H01L35/14; H01B1/04; H01B1/20; H01B1/02;	Nano structure including discontinuous area and thermoelectric device including nano structure
US2011100411 A1 20110505	US20070745156; US20110986277;	WISCONSIN ALUMNI RES FOUND;	H01L35/14; H01L29/06; H01L21/04;	Semiconductor nanowire thermoelectric materials and devices, and processes for producing same

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JP2011046951 A 20110310	KR20030073338;	SAMSUNG ELECTRONICS CO LTD;	H01L35/24; H01L51/00; C09K11/56; C01G11/02; G03F7/031; G03F7/027; H01L33/00; H01L51/46; C09K11/08; G03F7/004; C09K11/89; H05B33/14; H01L21/027; G03F7/00; C09K11/88; H01L21/36; H01L21/20; H05B33/10; C01B19/00; C09K11/62; H01L31/036; B82B1/00;	Photosensitive semiconductor nanocrystal, photosensitive composition for forming semiconductor nanocrystal pattern, and method for forming pattern using the same
EP2285888 A1 20110223	IT2008SA00014; WO2009IT00261;	UNIV DEGLI STUDI SALERNO;	H01L35/26; C08L63/00; C08K7/26; C08K7/24;	Polymer and carbon nanotubes composite materials as low-cost temperature sensors
CN102176506 A 20110907	CN20111083195;	UNIV BEIJING TECHNOLOGY;	H01L41/09; B81C1/00; B81B3/00; H01L41/22;	Transverse micro electro mechanical system (mems) microactuator adopting piezoelectric thick film actuating and manufacturing method thereof

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WO2011069476 A1 20110616	DE200910057746;	CHEREPANOV VASILY;COENEN PETER;FORSCHUNGSZENTRUM JUELICH GMBH;VOIGTLAENDER BERT;	H01L41/09; G01Q10/04;	Nanopositioner
KR101094331B B1 20111219	KR20100058675;	PUSAN NAT UNIV IND COOP FOUND;	H01L41/193; B81B3/00;	Microactuator based on polyelectrolyte
CA2777666 A1 20110421	US20090278866P ;US20100925047; WO2010US02737;	NAT INST OF AEROSPACE ASSOCIATES;US ADM NATI ONAL AERONAUTICSAND SPACE ADMINISTRATION;	H01L41/22;	Energy conversion materials fabricated with boron nitridenanotubes (bnnts) and bnnt polymer composites
US2011163636 A1 20110707	US20090253890P ;US20090255571 P;US2009028685 8P;US200902868 61P;US20100970 727;WO2010US53 827;	L LIVERMORE NAT SECURITY LLC;	H01L41/26; H02N2/18;	Matrix-assisted energy conversion in nanostructuredpiezoelectric arrays
US2011101477 A1 20110505	IT2003TO00604;I T2003TO00605;IT 2003TO00727;US 20040566838;US2 0100926284;WO2 004IB02543;	FIAT RICERCHE;	H01L43/12; G01R33/06; H01L29/82; H01L43/10; H01F41/30;	Method for manufacturing magnetic field detection devices and devices therefrom
US2011204310 A1 20110825	US20100338931P ;US201113035582 ;		H01L45/00;	Electronic device incorporating memristor made from metallicnanowire
US2011266514 A1 20111103	US20070692148; US201113182960;		H01L45/00;	Memory cell comprising a carbon nanotube fabric element and asteering element
US2011024714 A1 20110203	US20090512230;		H01L45/00; H01L21/34;	Nanoscale three-terminal switching device

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US2011227022 A1 20110922	WO2009US31158;		H01L45/00; H01L21/62;	Memristor having a nanostructure forming an active region
US2011227032 A1 20110922	WO2009US31144;		H01L45/00; H01L27/24; H01L21/62;	Memristor with nanostructure electrodes
US2011263101 A1 20111027	US20080972669; US20100850259; US201113170525;	IBM;	H01L51/00;	Carbon nanotube based integrated semiconductor circuit
US2011017985 A1 20110127	US20080041605P ;US20090933467; WO2009US39066;		H01L51/00; C07C43/176; C07C22/08; H01L51/40; C07C309/81;	Electronic device utilizing fluorinated carbon nanotubes
JP2011193002 A 20110929	US20040804503;	DU PONT;	H01L51/00; C08L33/02; C08L101/12; H01L51/50; C08K5/42; C08K7/06; H01L51/05; H01L29/786; H01L51/30; C08K3/00; H01B1/12;	Device for including buffer layer containing electrically conductiveorganic polymer and a plurality of nanoparticles
US2011101315 A1 20110505	KR20090104648;	SAMSUNG ELECTRONICS CO LTD;	H01L51/00; H01L21/02;	Piezoelectric nanowire structure and electronic device includingthe same
EP2287936 A1 20110223	JP20080124293;J P20090001389;W O2009JP58734;	TORAY INDUSTRIES;	H01L51/05;	Carbon nanotube composite, organic semiconductor composite, and field-effect transistor

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US2011042649 A1 20110224	GB20080002912; WO2009GB50146;	CARBEN SEMICON LTD;	H01L51/10; B05D5/12; B05D3/10; B05D3/02; B32B3/00;	Thin-film transistor, carbon-based layer and method of producingthereof
US8058644 B1 20111115	US20050196821;		H01L51/10; H01L29/41;	Nanostructure for molecular electronics comprising collinear metal lines defining precise nanoscale gap
US2011275062 A1 20111110	US20080057683P; US20100955310; WO2008US81147;	CALIFORNIA INST OF TECHN; UNIV COLUMBIA;	H01L51/30; C12Q1/68; B05D3/00; B05D5/12; C23F1/02; G01N33/68; G01R27/28;	Systems and methods for integrating a single dna molecule into amolecular electronic device
US2011155966 A1 20110630	US20020413114P; US20030669422; US201113045207;	DU PONT;	H01L51/30; H01B1/04; C08K3/00; H01L51/50; H01B1/12; H01B1/02;	Electrically conducting organic polymer/nanoparticle compositesand methods for use thereof
ES2367024T T3 20111027	US20030372747;	MACDERMID INC;	H01L51/30; H01L51/40; H05K1/03; H01L51/00; H05K3/10; H05K3/02;	Metodo de fabricacion de un dispositivo de interconexion electronicautilizando la imagen directa de un material dielectrico.

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011081770 A1 20110407	US20040610669P;US20040611055P;US20040617628P;US20050162548;US20060467058;	ETAMOTA CORP;	H01L51/40;	Removing undesirable nanotubes during nanotube device fabrication
US2011033972 A1 20110210	US20060514483;US20100908338;	LUCENT TECHNOLOGIES INC;	H01L51/40;	Programmable polyelectrolyte electrical switches
TWI344662B B 20110701	US20040777576;	IBM;	H01L51/40; G11C13/02; H01L27/28; H01L21/336; H01L51/05; H01J31/10; H01L51/30;	Methods of fabricating vertical carbon nanotube field effecttransistors for arrangement in arrays and field effect transistors and arrays formed thereby
EP2371015 A1 20111005	US20080317919;WO2009FI50965;	NOKIA CORP;	H01L51/40; H01L51/30; B82B3/00;	Fabrication method of electronic devices based on aligned high aspectratio nanoparticle networks
KR20110098925 A 20110902	US20080324151;	IBM;	H01L51/42;	Semiconductor nanowire electromagnetic radiation sensor
EP2272098 A2 20110112	US20080049594P;US20080110220P;US20090351378;WO2009US41816;	UNIV MICHIGAN;	H01L51/42; H01L31/042; H01L31/101;	Polymer wrapped carbon nanotube near-infrared photovoltaic devices
US2011204416 A1 20110825	US20060561448;US201113011255;	UNIV PRINCETON;	H01L51/44;	Organic hybrid planar-nanocrystalline bulk heterojunctions

Número de Publicação	Prioridade	Depositantes	Classificação	Título
WO2011010305 A2 20110127	US20090227472P	BANIN URI;CHESHNOVSKY ORI;HANEIN Yael;SERNAGOR EVELYNE;UNIV RAMOT;YISSUM RES DEV CO;YITZCHAIK SHLOMO;	H01L51/44; A61N1/00; A61N1/36;	Photoelectrical devices for stimulating neurons
WO2011067458 A1 20110609	US20090630206;	ERMOLOV VLADIMIR;NOKIA CORP;PASANEN PIRJO;	H01L51/46; H01L51/00; H01L51/48; B82B1/00;	Apparatus, methods and devices comprising photoactively functionalizedfullerenes covalently bonded to nanotubes
US2011012096 A1 20110120	US20080064168P ;US20090918352; WO2009IL00196;	OHIO UNIVERSITY OFFICES OF INNOVATION CT AND T;UNIV RAMOT;	H01L51/48; C07K14/415; C07K14/195; H01L51/46;	Photoactive nanostructure and method of manufacturing same
WO2011162080 A1 20111229	JP20100145671;	FUKUZAKIRYOZO;NAKAMURA MASAHIRO;PANASONIC ELEC WORKS CO LTD;YAMAKI TAKEYUKI;YAMANA MASAHIRO;	H01L51/50; H05B33/28; B82Y20/00; H05B33/26;	Organic electroluminescence element
US2011101302 A1 20110505	US20090258562P ;US20100940674;	UNIV SOUTHERN CALIFORNIA;	H01L51/52; H01L21/20; H01L21/84; H01L29/775;	Wafer-scale fabrication of separated carbon nanotube thin- filmtransistors
KR20110127897 A 20111128	KR20100047397;	LG DISPLAY CO LTD;SNU R& DB FOUNDATION;	H01L51/52; H01L51/50;	Quantum-dot light emitting diode and method for fabrication the same
CN102164868 A 20110824	FR20080056429; WO2009FR51816;	SAINT GOBAIN;	H01L51/56; C03C17/09; H01L51/10; H01L51/52; C03C17/22; C03C17/06; C03C17/00;	Method for manufacturing a mask having submillimetric apertures for a submillimetric electrically conductive grid, and mask and submillimetric electrically conductive grid

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011281156 A1 20111117	US20100395695P ;US201113109017 ;		H01M10/04; C23C16/50; B05D5/12; C23C16/30; H01M4/583; H01M10/02; H01M4/66; B05D1/36; C23C16/26;	Vertically aligned carbon nanotube augmented lithium ion anodefor batteries
US2011165466 A1 20110707	US20100655597;		H01M10/04; H01M4/58;	Lithium metal-sulfur and lithium ion-sulfur secondary batteriescontaining a nano-structured cathode and processes for producing same
US2011097627 A1 20110428	JP20090247922;	SHINETSU CHEMICAL CO;	H01M10/052; H01M4/583; H01M4/48;	Negative electrode material for non-aqueous electrolyte secondarybatteries, manufacturing method therefor, and lithium- ion secondary batteries
WO2011038233 A1 20110331	US20090246018P ;	FARMER JOSEPH C;L LIVERMORE NAT SECURITY LLC;	H01M10/0525; H01M10/0562; H01M10/39; H01M12/06;	High-performance rechargeable batteries with fast solid-state ionconductors
EP2378597 A1 20111019	EP20060838053; US20050738100P ;US20060801377 P;	NANOSYS INC;	H01M10/52; H01M4/88; H01M4/583; H01M8/10; H01M4/86; H01M4/92; B82Y30/00;	Nanowire structures comprising carbon
US2011104576 A1 20110505	US20090280025P ;US20100360027 P;US2010091558 0;	UCHICAGO ARGONNE LLC;	H01M12/06;	Lithium-oxygen electrochemical cells and batteries

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011236729 A1 20110929	FR20080006821;F R20090000267;W O2009FR01382;		H01M16/00; H01M8/06; B01J19/00;	Hydrogen cells or microcells with a hydrogen generator
US2011091796 A1 20110421	US20050254629; US20060482290; US20100961100;	QUANTUMSPHERE INC;	H01M2/14; B01J31/06; B01J35/10; H01M4/583; H01M4/02; H01M8/04; H01M4/64;	Electrochemical catalysts
US2011292570 A1 20111201	US20100334588P ;US201113107278 ;	BASF SE;MAX PLANCK GES ZUR FOERD DER WISSE E V;	H01M4/02; C25B11/04; H01G9/155; C25B11/02; H01B1/04;	Process for encapsulating metals and metal oxides with grapheneand the use of these materials
US2011151290 A1 20110623	US20090642057;		H01M4/02; H01M10/44; H01M4/04;	Crystalline-amorphous nanowires for battery electrodes
US2011045352 A1 20110224	US20090235892P ;US20100858785;	UNIV CORNELL;	H01M4/131; D02G3/00; C30B1/02; H01M4/02;	Mesoporous co3o4 nanoparticles, associated methods andapplications
KR20110100275 A 20110909	US20080122306P ;	APPLIED MATERIALS INC;	H01M4/134; H01M4/38; H01M4/64; B82B3/00;	Three-dimensional battery with hybrid nano-carbon layer
KR20110136867 A 20111221	FR20090001279;	ARKEMA FRANCE;CENTRE NAT RECH SCIENT;	H01M4/1391; H01M4/131; H01M4/62; H01M10/0525;	Fluorinated binder composite materials and carbon nanotubes forpositive electrodes for lithium batteries

Número de Publicação	Prioridade	Depositantes	Classificação	Título
EP2387805 A1 20111123	US20090319933; WO2010EP50165;	NOKIA CORP;	H01M4/1393; H01M4/133; H01M4/66; H01M4/04;	A process for producing carbon nanostructure on a flexible substrate, and energy storage devices comprising flexible carbon nanostructure electrodes
DE10200901982 2 A1 20110303	DE200910019822;	GRIMM ARNOLD;	H01M4/1395; H01M10/052;	Method for manufacturing and insertion of amorphous lithium nano-particle for insertion in high speed lithium batteries and accumulators, involves manufacturing multiple particle and welding particle with laser at conducting material
US2011269022 A1 20111103	JP20100103832;J P20100104027;JP 20100104082;	SEMICONDUCTOR ENERGY LAB;	H01M4/26; H01M4/505; H01M4/525; H01M4/485; H01M10/04; H01M4/58; H01M4/583; H01M4/62;	Positive electrode active material of power storage device, power storage device, electrically propelled vehicle, and method for manufacturing power storage device
EP2287944 A1 20110223	CN20091143905; WO2009CN72394 ;	XU RUISONG;	H01M4/36;	Nanometer-level positive electrode material for lithium battery and method for making the same
US2011091787 A1 20110421	US20060394456; US20100964570;	QUANTUM SPHERE INC;	H01M4/38; H01M8/10;	Compositions of nanometal particles containing a metal or alloy and platinum particles for use in fuel cells
US2011300447 A1 20111208	US20080115600P ;US20080115616 P;US2009131296 10;WO2009US650 22;	UNIV CORNELL;	H01M4/48; H01M4/04;	Carbon coated anode materials

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011165461 A1 20110707	KR20100000290;	KOREA INST SCI & TECH;	H01M4/50; H01M4/48; H01M4/54; H01G9/155; B05D5/12; C23C14/34; H01M4/52;	Electrode including nanocomposite active material, method of preparing the same, and electrochemical device including the same
US2011171531 A1 20110714	US20090240466P ;US20100877602;	UNIV NORTHWESTERN;	H01M4/583; B01J20/28; H01L31/0224;	Multifunctional nanocomposites of carbon nanotubes and nanoparticles formed via vacuum filtration
US2011027655 A1 20110203	US20080067018P ;US20080130679 P;US2009025409 0P;US200903925 25;US2010090411 3;		H01M4/583; H01M4/26;	Electrodes including collar stop
US2011262805 A1 20111027	CN20101157435;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	H01M4/583; H01M4/62; H01M4/96;	Cathode of lithium ion battery and method for fabricating the same
US2011111299 A1 20110512	US20080084140P ;US20090460993; US20100901526;		H01M4/62; H01M4/131;	Lithium ion batteries with titania/graphene anodes
US2011065570 A1 20110317	CN20071022235; US20090524561; US20100946170; WO2008CN70936 ;	UNIV NANJING;	H01M4/88; B01J27/24;	Electrode catalyst of carbon nitride nanotubes supported by platinum and ruthenium nanoparticles and preparation method thereof
US2011305975 A1 20111215	FR20080058629; WO2009EP67217;	COMMISSARIAT ENERGIE ATOMIQUE;ST MICROELECTRONICS TOURS SAS;	H01M4/88; B01J31/08; C08F2/50; H01M4/92;	Catalytic particulate solution for a micro fuel cell and related method

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011281204 A1 20111117	US20100333667P ;US201113105714 ;	LOS ALAMOS NAT SECURITY LLC;	H01M4/88; H01M4/90;	Preparation of supported electrocatalyst comprising multiwalled carbonnanotubes
US2011114875 A1 20110519	US20090281262P ;US20100946905;		H01M4/90;	Electrochemically active materials and precursors thereto
WO2011160022 A1 20111222	US20100355787P ;	HE QINGGANG;MUKERJEE SANJEEV;RAMASWAMY NAGAPPAN;UNIV NORTHEASTERN;	H01M4/90; H01M8/10;	Highly stable platinum alloy catalyst for methanol electrooxidation
WO2011116169 A2 20110922	US20100314855P ;	KANNAN ARUNACHALA MADA;LIN JIEFENG;UNIV ARIZONA;	H01M4/92; H01M4/88; H01M8/10; B01J37/02; B01J23/42;	Durable platinum / multi-walled carbon nanotube catalysts
US2011104551 A1 20110505	US20090280627P ;US20100938638;	UCHICAGO ARGONNE LLC;	H01M6/42; H01M4/56; H01M4/54; H01M4/60; H01M4/58; H01M4/583; H01M4/485; H01M10/26; H01M4/525;	Nanotube composite anode materials suitable for lithium ionbattery applications
US2011171559 A1 20110714	CN20071125266;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	H01M8/00; H01M8/10; H01M8/04;	Membrane electrode assembly and method for making the same

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011229795 A1 20110922	US20040634472P; US20050295133; US20050738100P; US20060642241; US20080234104; US201113149527;	NANOSYS INC;	H01M8/10;	Nanowire-based membrane electrode assemblies for fuel cells
US2011008705 A1 20110113	US20060764504P; US20070670687; US20080081851P; US20090505070; US20100320639P; US20100839124;	UNIV FLORIDA STATE RES FOUND;	H01M8/10;	Catalytic electrode with gradient porosity and catalyst density for fuel cells
US2011275005 A1 20111110	US20080108301P; US200913124790; WO2009US61684;	NANOSYS INC;	H01M8/10; B05D5/12; H01M4/92;	Membrane electrode assemblies with interfacial layer
US2011262839 A1 20111027	KR20100038181; KR20100080000; KR20110013682;	SAMSUNG ELECTRONICS CO LTD; UNIV LELAND STANFORD JUNIOR;	H01M8/12; H01M8/10;	Proton conducting electrolyte membranes having nano-grain ysz as protective layers, and membrane electrode assemblies and ceramic fuel cells comprising same
US2011236769 A1 20110929	US20100316641P; US201113070158;		H01M8/16;	Three dimensional electrodes useful for microbial fuel cells
US2011169704 A1 20110714	US20020431834P; US20030537944; US20100717454; WO2003US38746;	RENSSELAER POLYTECH INST;	H01Q1/28; G01N27/20; H01Q21/12; G01L1/00; G01M5/00;	Embedded nanotube array sensor and method of making an nanotube polymer composite
US2011074650 A1 20110331	CN20091308053;	FIH HONG KONG LTD; SHENZHEN FUTAIHONG PREC IND CO;	H01Q1/42; H01Q1/38;	Antenna module and housing having the same
TWM399528U U 20110301	TW20100216035U;	HON HAI PREC IND CO LTD;	H01R4/58;	Electrical connector and assembly thereof

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011071596 A1 20110324	AU20070906334; AU20090903424; US20100842029; WO2008AU01718;		H01R43/00; A61N1/36; A61F11/04;	Electrode contacts for a medical implant
US2011280263 A1 20111117	US20080076116P ;US20100977657; WO2009US48964;		H01S3/30; G02F1/01; G02B6/04;	Saturable absorber using a fiber taper embedded in ananostructure/polymer composite and lasers using the same
US2011212535 A1 20110901	US20100294769P ;US201113005511 ;		H02N11/00; G01N27/00;	Applications and methods of operating a three-dimensional nano-electro-mechanical resonator and related devices
US2011062313 A1 20110317	US20070901878P ;US20080033212; US20100948107;		H03F3/45;	Nanoelectronic differential amplifiers and related circuits having graphene nanoribbons
CN101960718 A 20110126	US20080072972; WO2009FI50011;	NOKIA CORP;	H03H9/24; B81B3/00; H03H9/46;	Apparatus, method, and computer program product providing edgeless nanotube resonator arrays
JP2011125017 A 20110623	FR20090005974;	COMMISSARIAT ENERGIE ATOMIQUE;	H03H9/24; H03H3/007; B81B3/00; H03B5/30;	Compensated micro/nano-resonator with improved capacitivedetection and method for producing the same
US2011174960 A1 20110721	US20100689490;	BOEING CO;	H03K17/687; H03K17/78;	Electromagnetic interference-resistant control device
TW201106624 A 20110216	EP20090160162;	IBM;	H03K19/00;	Magnetic cellular devices
US7911234 B1 20110322	US20070976135P ;US20080240365;	UNIV LELAND STANFORD JUNIOR;	H03K19/20;	Nanotube logic circuits
US7948271 B1 20110524	US19990282045;	HEWLETT PACKARD CO;UNIV CALIFORNIA;	H03K19/20; H03K19/082;	Molecular wire crossbar logic (mwcl)

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011026750 A1 20110203	CN20091108865;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	H04R1/02;	Diaphragm and loudspeaker using the same
US2011064256 A1 20110317	CN20091190388;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	H04R1/02;	Voice coil and loudspeaker using the same
US2011096953 A1 20110428	CN20091110319;	HON HAI PREC IND CO LTD;UNIV TSINGHUA;	H04R9/06; F16F15/00;	Damper and loudspeaker using the same cross-reference to related applications
EP2296431 A1 20110316	DE200910029464;	BSH BOSCH SIEMENS HAUSGERAETE;	H05B3/22; H05B3/68;	Cooking chamber device with cnt heating element
EP2292718 A2 20110309	EP20050256775;K R20040091894;K R20050079284;	SAMSUNG ELECTRONICS CO LTD;	H05B33/14; C09K11/56; H01L33/28; H01L51/50;	Interfused nanocrystals and method of preparing the same
US2011287566 A1 20111124	KR20040042200; US20040002465; US20100722903; US201113196388;	SAMSUNG ELECTRONICS CO LTD;	H05B33/14; C09K11/68; C09K11/88; C09K11/08; C09K11/60; C09K11/62; H01L33/24; C09K11/66; C09K11/56; C09K11/87; H01L51/50; H05B33/22; H05B33/10; C09K11/89; C09K11/58; C09K11/06; C09K11/70;	Method for fabricating an electroluminescence device

Número de Publicação	Prioridade	Depositantes	Classificação	Título
KR20110086363 A 20110728	KR20100006051;	SAMSUNG ELECTRONICS CO LTD;	H05B33/22; H05B33/14;	Nanostructured thin film, surface emitting light source and display apparatus employing the nanostructured thin film
US2011121496 A1 20110526	US20050737248P; US20060559539; US20100953605; WO2005US128232;	US ENERGY;	H05B6/00;	Shape manipulation of nanostructures
US2011212554 A1 20110901	US20060877602P; US20070905974P; US20070965651; US201113083122;	UNIV TENNESSEE RES FOUNDATION; UT BATTELLE LLC;	H05B6/00; H01L31/18;	Transparent conductive nano-composites
ES2357278T T3 20110420	DE200810024888;	EGO ELEKTRO GERAETEBAU GMBH;	H05B6/36; H05B6/12;	Dispositivo de calentamiento por induccion y procedimiento para la fabricacion de un dispositivo de calentamiento por induccion.
US2011278155 A1 20111117	US20100779318;	IBM;	H05F3/00; B01J19/08;	Electrochemical control of chemical catalysis using single molecule motors and digital logic
US2011062608 A1 20110317	US20040626792P; US20050272194; US20050651288P; US20100821688;	UNIV MICHIGAN;	H05F3/00; B05D1/04; B29C67/00;	Multi-phasic nanoparticles
US2011020539 A1 20110127	US20090158187P; US20090234270P; US20100719759;	PURDUE RESEARCH FOUNDATION;	H05H1/24; C23C16/02; B05D3/10;	Palladium thiolate bonding of carbon nanotubes
US2011247866 A1 20111013	KR20080125248; WO2009KR05372;	LS CABLE & SYSTEM LTD;	H05K1/09; H01B1/02;	Conductive paste containing silver-decorated carbon nanotubes

Número de Publicação	Prioridade	Depositantes	Classificação	Título
US2011154648 A1 20110630	US20020349670P ;US20030345783; US20090634525; US201113047593;	NANOMIX INC;	H05K13/00; G01N33/551; G01N33/58; G01N33/543; G01N33/566;	Electronic sensing of biological and chemical agents using functionalized nanostructures
CN102015922 A 20110413	US20080031528P ;WO2009US01169 ;	CAMBRIOS TECHNOLOGIES CORP;	H05K3/00; C09D11/00;	Methods and compositions for ink jet deposition of conductive features
US2011144471 A1 20110616	US20090639605;		H05K3/10; A61B5/0478;	Flexible probe structure and method for fabricating the same
EP2353348 A2 20110810	EP20080165416;E P20090164472;EP 20090788341;WO 2009NL50578;	TNO;	H05K3/18; C09D11/00;	Method and kit for manufacturing metal nanoparticles and metal-containing nanostructured composite materials
US2011115121 A1 20110519	KR20070059556; US20070003490; US20100926864;	SAMSUNG ELECTRO MECH;	H05K3/44;	Method of manufacturing heat radiation substrate having metal core
TW201102410 A 20110116	TW20090122333;	UNIV NAT TAIWAN;	H05K9/00; C08K3/04; C08L79/08;	Carbon nanotube/polyimide complexed film electromagnetic shielding

ANEXO I - 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
CZ	República Tcheca	NL	Holanda
DE	Alemanha	NO	Noruega
DK	Dinamarca	NZ	Nova Zelândia
DZ	Argélia	OA	African Intellectual Property Organization (OAPI) ¹
EA	Organização de Patentes da Eurásia (EAPO) ¹	PH	Filipinas
EE	Estônia	PL	Polônia
EG	Egito	PT	Portugal
EP	Organização Européia de Patentes (EPO) ¹	RO	Romênia
ES	Espanha	RU	Federação Russa
FI	Finlândia	SE	Suécia
FR	França	SG	Singapura
GB	Reino Unido	SI	Eslovênia
GR	Grécia	SK	Eslováquia
HK	Região Administrativa Especial de Hong Kong Da República Popular da China	TR	Turquia
HR	Croácia	TW	Taiwan
HU	Hungria	UA	Ucrânia
ID	Indonésia	US	Estados Unidos
IE	Irlanda	WO	Organização Mundial de Propriedade Intelectual (WIPO) ²
IL	Israel	ZA	África do Sul

Fonte: <http://www.wipo.int/export/sites/www/scit/en/standards/pdf/030301.pdf>, acesso: março 2008

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