

Pedidos de patentes sobre células-tronco



Pedidos Publicados no 1º Semestre de 2008

Diretoria de Articulação e Informação Tecnológica – Dart
Centro de Divulgação, Documentação e Informação Tecnológica – Cedin
Divisão de Estudos e Programas – Diespro

Alerta Nº 1 - Células-tronco
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O Centro de Divulgação, Documentação e Informação Tecnológica (CEDIN), subordinado à Diretoria de Articulação e Informação Tecnológica (DART), 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 Divisão de Estudos e Programas – DIESPRO, 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, de periodicidade 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, além 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.

Esta publicação consiste de:

- Gráfico nº 1 - gráfico que relaciona os países de prioridade (PR) dos documentos recuperados em nível mundial com o nº de documentos recuperados. Este gráfico permite a identificação dos países de origem dos documentos recuperados no período e a ocorrência em cada país.....**Página 8**
- Tabela nº 1 - relação dos principais depositantes na área tecnológica em questão, dos países de prioridade de seus pedidos e do nº de pedidos de patentes publicados no 1º semestre de 2008.....**Página 9**
- Gráfico nº 2 - gráfico com as classificações internacionais de patente (CIP) com maior número de ocorrências. Este gráfico permite o monitoramento das principais tecnologias relacionadas ao tema desta publicação, para as quais há maior número de depósitos de patente no mundo (pedidos de patente publicados no 1º semestre de 2008).....**Página 10**
- Tabela nº 2 - lista com dados bibliográficos dos pedidos de patente publicados no período: sigla do país e número do depósito do pedido de patente¹, código do país de prioridade², nome do depositante, classificação internacional de patentes (apenas a primeira classificação do documento) e o título da invenção, como publicado (na língua original).....**Página 12**
- Anexo I - Lista com os Códigos dos Países**Página 66**

¹Uma 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).

² Conforme estabelecido pela Convenção de Paris (CUP) em seu Art. 4º, o primeiro pedido de patente depositado em um dos países membros da Convenção serve de base para depósitos subsequentes relacionados à mesma matéria, efetuados pelo mesmo depositante ou por seus sucessores legais. Tem-se assim, o **Direito de Prioridade**. O prazo para exercer tal direito é de 12 meses, para invenção e modelo de utilidade. Ver art. 16, da Lei da Propriedade Industrial (LPI), nº 9.279/96 – disponível em www.inpi.gov.br.

Mais detalhes sobre cada pedido de patente (resumo da invenção, 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 Patente³: <http://www.inpi.gov.br>
2. Base do Escritório Europeu de Patentes⁴: <http://ep.espacenet.com>
3. Base do Escritório Americano de Patentes⁵: <http://www.uspto.gov>

Caso haja interesse em se conhecer o(s) depósito(s) de patente no Brasil, correspondente(s) (família do pedido de patente¹) aos pedidos de patente estrangeiros listados no Anexo I, 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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Instituto Nacional da Propriedade Industrial – INPI

Diretoria de Articulação e Informação Tecnológica - DART

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e-mail: cedin@inpi.gov.br

As cópias integrais dos pedidos de patente de interesse podem ser solicitadas por meio do endereço copdocpat@inpi.gov.br. O custo de cada documento completo é de R\$ 5,00, independente do número de folhas. O valor total, variável em função do número de documentos solicitados, deve ser pago por meio de guia eletrônica encaminhada ao interessado.

³ Esta base contém somente pedidos de patente depositados e publicados no Brasil a partir de 1982.

⁴ Contém pedidos de patente depositados e publicados em mais de 70 países.

⁵ Contém somente pedidos depositados e publicados nos Estados Unidos.

PEDIDOS DE PATENTES SOBRE CÉLULAS-TRONCO

As células-tronco são células capazes de se diferenciar em qualquer um dos 216 tecidos que compõem o corpo humano. Estas células são, hoje, objeto de intensas pesquisas, dada a vasta gama de aplicações terapêuticas que elas podem gerar. O tratamento de doenças cardiovasculares, neurodegenerativas – (como Alzheimer e Parkinson), nefropatias, diabetes tipo I, doenças hematológicas, imunodeficiências e traumas da medula espinhal são alguns dos exemplos dessas aplicações.

As células-tronco podem ser classificadas em **células embrionárias** ou **células adultas**, as primeiras apresentando grandes vantagens em função de sua capacidade de diferenciação em maior número de tecidos.

As fontes de células-tronco mais utilizadas hoje no mundo são os embriões recém-fecundados (blastocistos), criados por fertilização *in vitro* e que não serão empregados no tratamento de infertilidade; os embriões criados por clonagem; as células germinativas ou órgãos de fetos abortados; o sangue retirado do cordão umbilical no momento do nascimento; alguns tecidos adultos, como a medula óssea; e algumas células maduras de tecido adulto, reprogramadas para se comportarem como células-tronco. Há que se destacar a discussão ética, e bastante polêmica, com relação à destruição de embriões recém-fecundados e, principalmente, daqueles produzidos por clonagem para a obtenção de células-tronco.

Em muitos países, as descobertas relacionadas às possíveis aplicações terapêuticas destas células foram divulgadas pela mídia de forma sensacionalista e recebidas com festa pela sociedade. Entretanto, a realidade parece não ser bem assim. Em primeiro lugar, o estágio de desenvolvimento em que se encontram determinadas linhas de pesquisa com esta tecnologia dificilmente permitirão que os cientistas respondam à sociedade no tempo esperado e com a qualidade dos resultados que se prevê; e, um segundo aspecto já abordado se refere às grandes questões éticas envolvidas na destruição de embriões para a obtenção das células-tronco.

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

Dessa forma, este Alerta Tecnológico tem como objetivo divulgar os novos pedidos de patente sobre células-tronco (suas aplicações terapêuticas, técnicas relacionadas a seu isolamento, purificação, cultivo, diferenciação, etc.) publicados no mundo.

Para o levantamento em questão, foram selecionados os documentos de patente contendo, em seu título ou resumo, uma (ou mais) das seguintes palavras-chave: **célula(s)-tronco**, **célula(s) tronco**, **célula(s) embrionária(s)**, **célula(s) embriônica(s)**. Não foi possível empregar a classificação internacional de patente⁶ (CIP) na busca efetuada, visto que não há nenhuma CIP específica para as referidas células, sendo esta tecnologia classificada em vários locais diferentes na CIP, que de alguma forma estão relacionados ao tema⁷. Após a leitura de título e resumo, foram selecionados os documentos listados neste alerta.

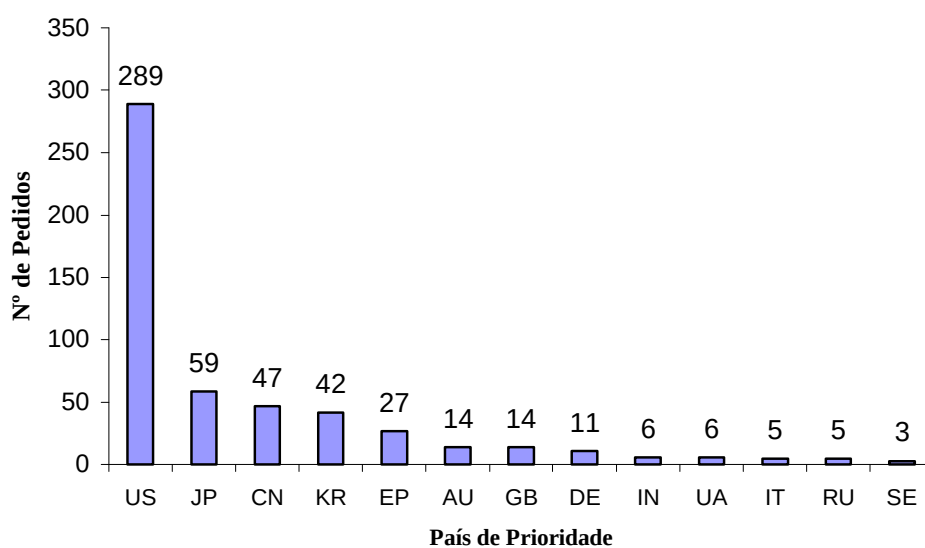
⁶ O sistema da Classificação Internacional de Patentes resultou dos esforços conjuntos de órgãos de propriedade industrial de vários países, com o objetivo de dispor, de forma organizada e padronizada, os documentos de patente, a fim de facilitar o acesso (busca) às informações tecnológicas e legais contidas nesses documentos. O Acordo de Estrasburgo relativo à Classificação Internacional de Patentes, concluído em 1971, entrou em vigor em 1975 e é administrado pela Organização Mundial da Propriedade Intelectual (OMPI). Qualquer país membro da Convenção da União de Paris pode se tornar membro do Acordo de Estrasburgo. Em julho de 2008, além dos 58 Estados que fazem parte deste Acordo, mais de 100 escritórios nacionais, 4 escritórios regionais e a Secretaria da OMPI, atuando como escritório receptor do Tratado de Cooperação em Matéria de Patentes (PCT), também utilizavam a Classificação Internacional de Patentes. A edição atual da CIP (8ª edição) entrou em vigor em 01/01/2006 e está disponível no site da OMPI (<http://www.wipo.int/classifications/ipc/>) e no site do INPI (<http://pesquisa.inpi.gov.br/ipc/index.php>).

⁷ Um documento de patente pode conter uma ou mais classificações.

Resultados

O gráfico nº 1 permite a identificação dos países⁸ de prioridade dos documentos recuperados no período e a ocorrência de documentos em cada país.

Gráfico 1: Número de Pedidos de Patente Publicados no Mundo sobre Células-tronco (1º semestre 2008) x Países de Prioridade



Fonte: Elaboração própria a partir da banco de dados EPOQUE⁹

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

- US – Estados Unidos da América,
- JP – Japão,
- CN – China,
- KR – Coreia e
- EP - Europa.

⁸ A lista com os códigos dos países está disponível no Anexo I.

⁹ O banco de dados EPOQUE é disponibilizado ao INPI, via acesso remoto, pelo Escritório Europeu de Patentes.

Na tabela nº 1, a seguir, são identificados os depositantes com maior número de pedidos de patente publicados no período e o(s) país(es) de prioridade de cada um dos pedidos¹⁰.

Tabela nº 1: Relação dos principais depositantes, dos países de prioridade de seus pedidos e do nº de pedidos de patentes publicados no 1º semestre de 2008.

<i>Depositante</i>	<i>País(es) de Prioridade</i>	<i>Nº de Pedidos</i>
SEOUL NAT UNIV IND FOUNDATION [KR]	KR	10
HARIRI ROBERT J [US]	US	6
KAO CORP [JP]	JP	5
RELIANCE LIFE SCIENCES PVT LTD [IN]	US, IN	5
WISCONSIN ALUMNI RES FOUND [US]	US	5
GERON CORP [US]	US, AU	5
BOLLETER DAVID S [US]	US	4
CEDARS SINAI MEDICAL CENTER [US]	US	4
UNIV COLUMBIA [US]	US	4
ANTHROGENESIS CORP [US]	US	4
MEDIPOST CO LTD [KR]	KR, US	4
TITKEMEYER ROBERT W [US]	US	4
RUDD DONNIE [US]	US	4
AGENCY SCIENCE TECH & RES [SG]	US	4
MILLER LARRY J [US]	US	4
GEN HOSPITAL CORP [US]	US	4
ES CELL INT PTE LTD [SG]	US, AU	4
SUGAYA KIMINOBU [US]	US	3
MITSUBISHI TANABE PHARMA CORP [JP]	JP	3
ARTECEL SCIENCES INC [US]	US, EP	3
CIRRITO THOMAS P [US]	US	3
TOTEY SATISH [IN]	IN	3
VIVALIS [FR]	FR, US	3
WELLSTAT THERAPEUTICS CORP [US]	US, HK, EP	3
IND ACADEMIC COOP [KR]	KR	3
EDINGER JAMES [US]	US	3
UNIV JOHNS HOPKINS [US]	US	3
UNIV CALIFORNIA [US]	US	3
WANG JIA-LUN [US]	US	3
UNIV IND & ACAD COLLABORATION [KR]	US	3
BERGSTEIN IVAN [US]	US	3
STEMPEUTICS RES PRIVATE LTD [IN]	IN	3
FIELD OPERATION BLOOD TRANSFUS [CN]	CN	3
GENZYME CORP [US]	EP, US	3
PUSAN NAT UNIV IND COOP FOUND [KR]	KR	3

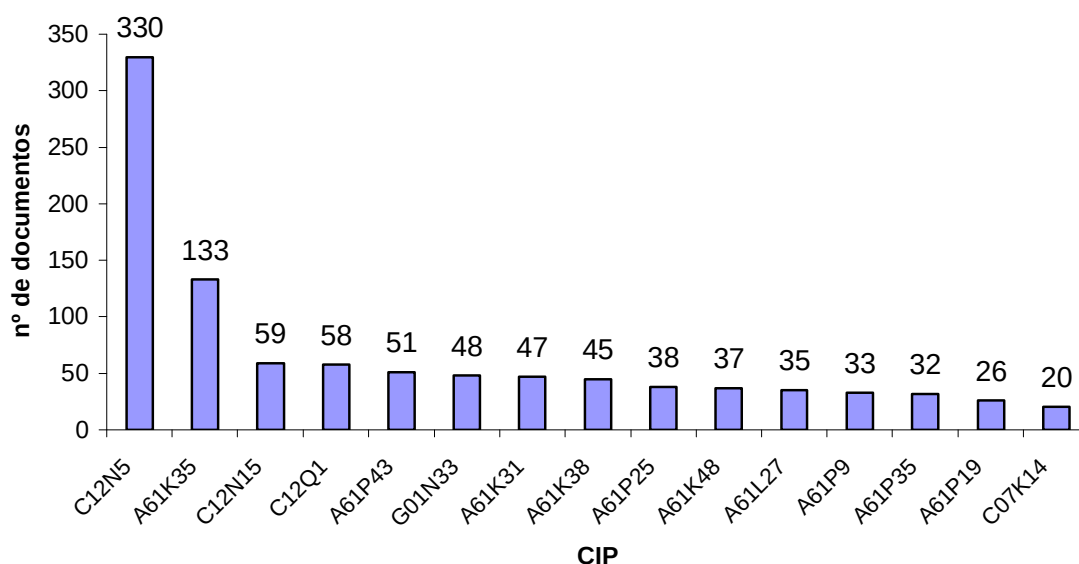
¹⁰ Um pedido de patente pode ter mais de um país de prioridade.

<i>Depositante</i>	<i>País(es) de Prioridade</i>	<i>Nº de Pedidos</i>
SECOND MILITARY MEDICAL UNIVER [CN]	CN	3
WOLF DAVID A [US]	US	3
YU JOHN S [US]	US	3
RIKEN [JP]	JP, GB	3
ALVAREZ ANGEL [US]	US	3
UNIV HIROSHIMA [JP]	JP	3
STEMLINE THERAPEUTICS INC [US]	US	3
UNIV KYOTO [JP]	JP	3
BRIDGER GARY [US]	US	3
OSIRIS THERAPEUTICS INC [US]	US	3
SOUTHERN MEDICAL UNIVERSITY [CN]	CN	3
PRIMEGEN BIOTECH LLC [US]	US	3

Fonte: Elaboração própria a partir da banco de dados EPOQUE.

O gráfico nº 2 permite o monitoramento das principais tecnologias relacionadas ao tema, descritas nos pedidos de patente publicados no período. Para este levantamento, foram computadas somente as classificações presentes em 20 ou mais documentos.

Gráfico 2: Nº de Documentos de Patente x Classificação Internacional de Patentes (CIP)



Fonte: Elaboração própria a partir da banco de dados EPOQUE

C12N 5/ – Células não diferenciadas de animais ou plantas, por ex., linhagem de células; Tecidos; Sua cultura ou manutenção; Seus meios de cultura.

A61K 35/ – Preparações medicinais contendo materiais de constituição indeterminada ou seus produtos de reação.

C12N 15/ – Mutação ou engenharia genética; DNA ou RNA concernentes à engenharia genética, vetores, por ex., plasmídeos ou seu isolamento, preparação ou purificação; Uso de seus hospedeiros.

C12Q 1/ – Processos de medição ou ensaio envolvendo enzimas ou microorganismos; Composições para esse fim; Processos de preparação de tais composições.

A61P 43/ – Drogas para fins específicos, não previstos nos grupos A61P 1/00 até A61P 41/00.

G01N 33/ – Investigação ou análise de materiais por métodos específicos não abrangidos pelos grupos G01N 1/00 até G01N 31/00.

A61K 31/ - Preparações medicinais contendo ingredientes ativos orgânicos.

A61K 38/ – Preparações medicinais contendo peptídeos.

A61P 25/ – Drogas para o tratamento de doenças do sistema nervoso.

A61K 48/ – Preparações medicinais contendo material genético o qual é inserido nas células dos corpos vivos para tratar doenças genéticas; Geneterapia.

A61L 27/ – Materiais para próteses ou para revestimento de próteses.

A61P 9/ – Drogas para o tratamento de distúrbios do sistema cardiovascular.

A61P 35/ – Agentes antineoplásicos.

A61P 19/ – Drogas para o tratamento de distúrbios do esqueleto.

C07K14 – Peptídeos tendo mais de 20 aminoácidos; Gastrinas; Somatoestatinas; Melanotropinas; Derivados dos mesmos.

Tabela nº 2: Dados bibliográficos dos pedidos de patente publicados no 1º semestre de 2008 (Por ordem alfabética do nome do depositante)

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
JP2008136494 A 20080619	Amgen Fremont Inc	US	C12N 15/09	Generation Of Xenogeneic Antibody
JP2008125540 A 20080605	Lion Corp	JP	A61L 27/00	Artificial Skin
UA81390 C2 20080110	Kourion Therapeutics GMBH	US	A61K 35/14	Use of unrestricted somatic stem cells (ussc) for the preparation of medicinal agents.
JP2008137954 A 20080619	Sapporo Medical Univ	JP	A61K 35/12	Pharmaceutical Composition Containing Atelocollagen And Stem Cell And Intended For Mental Disorder And Cerebroneuropathy
JP2008141973 A 20080626	Foundation For Biomedical Res	JP	C12N 5/06	Method For Culturing And Proliferating Cardiac Muscle Cell
WO2008064116 A2 20080529	Abbott Lab [US]; Bardwell Philip US]; Ghayur Tariq [US]; Gu Jijie [US]	US	A61K 31/44	Method of preventing or treating organ, hematopoietic stem cell or bone marrow transplant rejection.
AU2008201936 A1 20080529	Abt Holding Company [US]; Univ Minnesota [US]	AU; US		Multipotent adult stem cells, sources thereof, methods of obtaining and maintaining same, methods of differentiation thereof, methods of use thereof and cells derived thereof.
WO2008021994 A2 20080221	Acumen Medical Inc [US]; Eversull Christian S [US]; Leeflang Stephen A [US]; Ventura Christine P [US]; Mourlas Nicholas J [US]	US	A61M 31/00	Apparatus and methods for delivering stem cells and other agents into cardiac tissue.
EP1891438 A2 20080227	Advanced Cell Tech Inc [US]	US	G01N 33/53	Methods for identifying ligands for stem cells and cells derived therefrom.
US2008076176 A1 20080327	Advanced Cell Tech Inc [US]	US	C12N 5/00	De-differentiation and re-differentiation of somatic cells and production of cells for cell therapies.
CN101153275 A 20080402	Affiliated Xinhua Hospital Of [CN]	CN	C12N 5/06	Embryonic stem cells of rabbit and constructing method thereof.
EP1910548 A1 20080416	Agency Science Tech & Res [Sg]	US	C12N 15/866	Method of delivering nucleic acid molecules into embryonic stem cells using baculoviral vectors.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
CN101155913 A 20080402	Agency Science Tech & Res [SG]	US	C12N 5/02	Methods of proliferating stem cells.
KR20080056182 A 20080620	Agency Science Tech & Res [SG]	US	C12N 5/08	Method of deriving mesenchymal stem cells.
WO2008020815 A1 20080221	Agency Science Tech & Res [SG]; Lim Sai Kiang [SG]; Lye Elias [SG]	US	C12N 5/06	Mesenchymal stem cell conditioned medium.
US2008095749 A1 20080424	Aggarwal Sudeepa [US]; Pittenger Mark F [US]; Varney Timothy [US]; Danilkovitch Alla [US]	US	A61K 35/00	Mesenchymal stem cells and uses therefore.
WO2008060932 A2 20080522	Aldagen Inc [US]; Balber Andrew E [US]	US	A61K 35/38	Methods for improved engraftment following stem cell transplantation.
WO2008067126 A2 20080605	Aldagen Inc [US]; Univ Duke [US]; Kurtzberg Joanne [US]; Haley N Rebecca [US]	US	A61K 35/14	Methods for using aldhbr cells to supplement stem cell transplantation.
WO2008070868 A1 20080612	American Symbolic LLC [US]; Skinner Keith [US]	US	C12N 5/06	Stem cell secretions and related methods
BG109788 A 20080630	Aleksieva Ginka [BG]; Zlatev Zlatomir [BG]; Gourzheev Nikolay [BG]; Gourzheev Valeriy [BG]	BG	A61H 23/00	Device for increasing the stem cells concentration and treatment of immunodeficit diseases.
US2008025962 A1 20080131	Angesmg Inc [JP]	JP	A61K 38/19	Remedy for Alzheimer's Disease
WO2008006168 A1 20080117	Angioblast Systems Inc [US]; Rakoczy Piroska Elizabeth [AU]	US	A61K 35/28	Treatment of excessive neovascularization

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
KR20080056302 A 20080620	Anthrogenesis Corp [US]	US	C12N 5/06	Production of oligodendrocytes from placenta-derived stem cells
NZ542127 A 20080430	Anthrogenesis Corp [US]	US	A01N 1/02	Use of umbilical cord blood to treat individuals having a disease, disorder or condition.
WO2008051568 A2 20080502	Anthrogenesis Corp [US]; Edinger James W [US]; Hariri Robert J [US]; Wang Jia-Lun [US]; Ye Qian [US]; Labazzo Kristen S [US]; Pereira Marian [US]; Abramson Sascha Dawn [US]	US	C12N 5/08	Methods and compositions for treatment of bone defects with placental cell populations.
AU2002336742B B2 20080103	Anticancer INC	US	C12N 15/09	Nestin-expressing hair follicle stem cells
WO2008019148 A2 20080214	Anthrogenesis Corp [US]; Paludan Casper [US]; Edinger James [US]; Harbacheuski Ryhor [US]; Murray Roseann [US]; Hariri Robert J [US]	US	C12N 5/06	Tumor suppression using placental stem cells
WO2008017171 A1 20080214	Ao Forschungsinst [CH]; Alini Mauro [CH]; Stoddart Martin [CH]	CH	C12N 5/06	Identification and selection of stem cells being committed to differentiate to a specific type for obtaining a homogeneous population of stem cells.
US2008038236 A1 20080214	Artecel Sciences INC [US]	US	A61K 45/00	Biocompatible scaffolds and adipose-derived stem cells.
EP1918366 A1 20080507	Artecel Sciences INC [US]	EP; US	C12N 5/10	Pleuripotent stem cells generated from adipose tissue-derived stromal cells and uses thereof
ES2300320T T3 20080616	Artecel Sciences INC [US]	US	C12N 5/10	Celulas madre pluripotentes generadas a partir de celulas del estroma derivadas de tejido adiposo y sus usos.
US2008085555 A1 20080410	Asahara Takayuki [JP]; Ishikawa Tetsuya [JP]	JP	C12N 5/06	Method For In Vitro Amplification Of Adult Stem Cells

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
UA81564 C2 20080110	Astakhova Vira Semenivna [UA]	UA	A61K 35/12	Method for differentiation of human stromal stem cells in cultural medium in vitro.
US2008090266 A1 20080417	Asubio Pharma CO LTD [JP]; Univ Keio [JP]	JP	C12Q 1/02	Method of Selecting a Cardiomyocyte Using Intracellular Mitochondria as an Indicator.
JP2008044965 A 20080228	Athersys INC	US	A61K 35/28	Multipotent adult stem cells and methods for isolation.
GB2443370 A 20080430	Australian Stem Cell CT LTD [AU]	US	C12N 5/02	Compositions and methods for growth of pluripotent cells.
EP1877547 A1 20080116	Australian Stem Cell CT LTD [AU]	US	C12N 5/08	Selecting, culturing and creating lineage committed hematopoietic stem cells.
JP2008118991 A 20080529	Axiogenesis AG	DE	C12N 5/10	System for cell-specifically and development-specifically selecting differentiating embryonic or adult stem cell or embryonic germline cell.
EP1871873 A1 20080102	Axordia LTD [GB]	GB	C12N 5/06	Cytotrophoblast stem cell
CN101133327 A 20080227	Azienda Ospedaliera Careggi [IT]	IT	G01N 33/569	Stem cells, method for their purification, identification, and use.
US2008097618 A1 20080424	Baker Kevin Charles [US]; Drelich Jaroslaw Wieslaw [US]	US	A61F 2/28	Deposition of calcium-phosphate (CaP) and calcium-phosphate with bone morphogenic protein (CaP+BMP) coatings on metallic and polymeric surfaces.
JP2008104357 A 20080508	Banyu Pharma Co Ltd	JP	A01K 67/027	Tetr expressing non-human transgenic animal and method for producing the same.
US2008154201 A1 20080626	Bates Mark C [US]	US	A61M 5/20	Apparatus and methods for treating tissue using passive injection systems.
RU2320323 C1 20080327	Bazikov Igor Aleksandrovich [RU]; Omel Janchuk Pavel Anatol Evic [RU]	RU	A61K 9/127	System for delivery of bioactive substances by using niosomes

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008031915 A1 20080207	Becerra Ratia Jose [ES]; Andrades Gomez Jose A [ES]; Cifuentes Rueda Manuel [ES]; Guerado Parra Enrique [ES]	ES	A61K 48/00	Cartilage and bone repair composition.
WO2008018190 A1 20080214	Biomaster Inc [Jp]; Yoshimura Kotaro [Jp]; Nagase Takashi [Jp]; Matsumoto Daisuke [Jp]; Shigeura Tomokuni [Jp]	JP	C12N 5/00	Fat-derived neural crest cells.
US2008118569 A1 20080522	Biosphere Medical INC [US]	US	A61K 9/14	Injectable microspheres for tissue construction
EP1881063 A1 20080123	Becton Dickinson Co [US]	EP; US	C12N 5/06	Stem cell populations and methods of use.
WO2008049281 A1 20080502	Beijing Inst Of Transfusion Me [CN]; Pei Xuetao [CN]; Wang Yunfang [CN]; Liang Feng [CN]; Zhang Lei [CN]; Lin Feng [CN]; Yue Huimin [CN]; Nan Xue [CN]; Yan Yongnian [CN]; Guan Lidong [CN]	CN	C12N 5/08	Construction method of hepatic tissue engineering construct and the hepatic tissue engineering construct.
UA30228U U 20080225	Biliaieva Olha Oleksandrivna [UA]; Neshta Viacheslav Vasyliovych [UA]	UA	A61K 35/00	Method for treating pyo-inflammatory diseases by cell therapy.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008002064 A1 20080103	Biomedics CO LTD S [KR]; Han Bin [US]; Choi Jay Do [KR]; Nam Min Jung [KR]	KR	A61K 35/36	Soft tissue filler composition for injection and preparation method thereof.
KR20080020596 A 20080305	Biosafe S A [SZ]	IB	A61M 1/02	Integrated system for collecting, processing and transplanting cell subsets, including adult stem cells, for regenerative medicine.
US2008120733 A1 20080522	Biotechnolog Forschung GMBH [DE]	EP	A01K 67/027	Rnai-Based Method for Selecting Transfected Eukaryotic Cells
JP2008119002 A 20080529	Blasticon Biotechnologische FO	DE; US	C12N 5/06	Dedifferentiated, programmable stem cell of monocytic origin, and production and use thereof.
US2008118980 A1 20080522	Body Corporate And Politic Of [US]	US	C12N 5/06	Estrogen enhancing differentiation of human mesenchymal stromal cells and adipose-derived stromal cells.
WO2008038148 A2 20080403	Boquest Andrew Craig [AU]; Collas Philippe [NO]	US		Stem cells and methods of making and using stem cells.
US2008009030 A1 20080110	Boston Biomedical Res Inst [US]	US	G01N 33/68	Methods for preventing or reducing ischemia/reperfusion induced myocardial cell death.
KR20080036590 A 20080428	Brainguard CO LTD [KR]	KR	C12N 5/06	Carbon nanotubes serving as stem cell scaffold.
US2008063624 A1 20080313	Bridger Gary J [US]; Abrams Michael J [US]; Henson Geoffrey W [US]; Macfarland Ronald T [CA]; Calandra Gary B [US]; Broxmeyer Hal E [US]; Dale David C [US]	US	A61K 31/395	Methods to mobilize progenitor/stem cells.
US2008003206 A1 20080103	Brigham & Womens Hospital [US]	US	A61K 48/00	ABCB5 positive mesenchymal stem cells as immunomodulators

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008034430 A2 20080327	Bundesinstitut Fuer Risikobewe [DE]; Seiler Andrea [DE]; Schlechter Katharina [DE]; Buesen Roland [DE]; Spielmann Horst [DE]	DE	C12N 5/00	Serum-free medium for the differentiation of stem cells.
EP1923468 A1 20080521	Bundesrepublik Deutschland Let [DE]	EP	C12N 15/867	Lentiviral vectors for gene transfer in quiescent (G0) cells
WO2008011524 A2 20080124	Burt Richard [US]	US	A61K 35/12	Method of using mitotically inactivated stem cells for damaged tissue repair.
US2008131498 A1 20080605	Busulipo Ab [SE]	US;SE	A61K 9/127	Pharmaceutical composition, a method of preparing it and a method of treatment by use thereof.
WO2008056173 A2 20080515	Cambridge Entpr Ltd [GB]; Pedersen Roger [GB]; Vallier Ludovic [GB]; Brone Gabrielle [GB]	GB	C12N 5/06	Pluripotent cells from the mammalian late epiblast layer.
US2008057053 A1 20080306	Cardiac Pacemakers Inc [US]	US	A61K 39/00	Bispecific antibodies and agents to enhance stem cell homing.
US2008057027 A1 20080306	Cardiac Pacemakers Inc [US]	US	A61K 35/12	Methods and devices to regulate stem cell homing.
BRPI0513773 A 20080513	Carinci Franceso [IT]; Aquino Riccardo D [IT]; Rosa Alfredo De [IT]; Graziano Antonio [IT]; Laino Gregorio [IT]; Papaccio Gianpaolo [IT]	IT	C12N 5/08	Células tronco obtidas da polpa decídua ou de dentes permanentes e dos germes dentais, capazes de produzir tecido ósseo humano.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008054770 A2 20080508	Caritas St Elizabeth Medical C [US]; Goukassian David A [US]; Kishore Raj [US]	US	A61K 48/00	Use of tumor necrosis factor-alpha p75 receptor for the reduction of inflammation.
US2008107633 A1 20080508	Carpenter Melissa [US]	US	A61K 35/12	Cultures of human cns neural stem cells.
AU2007240253 A1 20080103	Cartela Ab	AU	C07K 14/705	Marker for stem cells and its use.
US2008140172 A1 20080612	Carpenter Robert Hunt [US]; Carpenter Robert Owens [US]	US	A61F 2/06	Multi-wall expandable device capable of drug delivery related applications.
KR20080049562 A 20080604	Catholic University Industry A [KR]	KR	A61K 35/44	Composition for treating a disease caused by neuronal insult comprising a human umbilical cord blood-derived mesenchymal stem cell as an active ingredient.
US2008003672 A1 20080103	Cecchi Michael D [US]; Cohen Jacques [US]; Schimmel Tim [US]	US	C12M 1/22	Apparatus and method for culturing oocytes, embryos, stem cells and cells.
JP2008099709 A 20080501	Cedars Sinai Medical Center [US]	US	C12N 5/06	Differentiation of whole bone marrow.
WO2008024832 A2 20080228	Cedars Sinai Medical Center [US]; Yu John S [US]	US	C12Q 1/00	Methods for isolating and using pituitary adenoma stem cells and pituitary adenoma cells.
WO2008067408 A2 20080605	Cedars Sinai Medical Center [US]; Yu John S [US]	US	C12P 21/06	Method of isolating and propagating stem cells from benign tumors.
WO2008039874 A2 20080403	Cedars Sinai Medical Center [US]; Yu John S [US]	US	C12N 5/06	Cancer stem cell antigen vaccines and methods
NZ540384 A 20080630	Celgene Corp	US	A61K 31/4035	Methods of using and compositions comprising selective cytokine inhibitory drugs for the treatment and management of myeloproliferative diseases.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
NZ540382 A 20080530	Celgene Corp	US	A61K 31/454	Methods of using and compositions comprising immunomodulatory compounds for the treatment and management of myeloproliferative diseases.
WO2008040532 A1 20080410	Cellartis AB [SE]; Adler Sarah [SE]; Strehl Raimund [SE]	US	G01N 33/50	Novel toxicity assay based on human blastocyst-derived stem cells and progenitor cells.
WO2008006605 A2 20080117	Cellartis AB [SE]; Sartipy Peter [SE]; Aakesson KarolinA [SE]; Ameen Caroline [SE]	DK; US	C12N 5/06	A novel population of multipotent cardiac precursor cells derived from human blastocysts derived stem cells.
WO2008070861 A2 20080612	Cellerant Therapeutics INC [US]; Christensen Julie Lynne [US]	US	A61K 35/28	Methods and compositions for treating systemic lupus erythematosus.
EP1899458 A2 20080319	Cellerix S L [ES]; Univ Madrid Autonoma [ES]	US	C12N 5/08	Use of adipose tissue-derived stromal stem cells in treating fistula.
BRPI0514387 A 20080610	Cellres Corp PTE LTD [SG]	US	C12N 5/06	Isolamento, cultivo e usos de células-tronco/progenitoras.
WO2008048931 A1 20080424	Celula INC [US]; Mcneeley Patricia [US]; Marchand Philippe [US]; Diver Jonathan [US]	US	C12N 5/06	Methods and compositions for differential expansion of fetal cells in maternal blood and their use.
KR100794694B B1 20080114	Chabiotech CO LTD [KR]; College Of Medicine Pochon Cha [KR]	KR	C12N 15/10	Markers or primers for detecting differentiation or undifferentiation of human embryonic stem cells derived from genes coding deubiquitinating enzymes and methods for detecting using the same.
EP1900370 A1 20080319	Cheng Henrich [TW]	US	A61K 35/28	Composition for repairing nerve damage.
US2008050362 A1 20080228	Children S Memorial Hospital [US]	US	A61K 38/18	Methods of inhibiting tumor cell aggressiveness using the microenvironment of human embryonic stem cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008152590 A1 20080626	Childrens Medical Center [US]	US	A61K 49/00	Engraftable neural progenitor and stem cells for brain tumor therapy.
WO2008033469 A1 20080320	Childrens Medical Center [US]; Kim Kitai [US]; Daley George [US]	US	C12N 5/06	Methods for producing embryonic stem cells from parthenogenetic embryos.
CN101139573 A 20080312	China Japan Friendship Hospita [CN]	CN	C12N 5/08	Method for forming pancreatic islet like structure by external evoked stem cell differentiation pancreatic islet cell.
US2008085264 A1 20080410	Christopherson II Kent W [US]; Hangoc Giao [US]; Broxmeyer Hal E [US]	US	A61K 38/06	Methods for enhancing stem cell engraftment during transplantation.
WO2008013492 A1 20080131	Chundsell Medicals AB [SE]; LI Chunde [SE]	SE	C12Q 1/68	Embryonic stem cell markers for cancer diagnosis and prognosis.
US2008057041 A1 20080306	Chung Young G [US]; Lanza Robert [US]; Klimanskaya Irina V [US]	US	A61K 35/12	Derivation of embryonic stem cells and embryo-derived cells.
AU2008200822 A1 20080313	Cleveland Clinic Foundation	AU	A61K 35/28	Stromal cell-derived factor-1 mediates stem cell homing and tissue regeneration in ischemic cardiomyopathy.
CN101137292 A 20080305	Cognate Therapeutics INC [US]	US	A01N 63/00	Bone marrow stromal cells for immunoprotection of transplanted neural stem cells.
KR20080007726 A 20080123	College Of Medicine Pochon Cha [KR]	KR	C12N 5/06	Ex vivo cultivation methods of mesenchymal stem cells derived from umbilical cord blood.
KR20080056280 A 20080620	Copygene AS [DK]	US	C12N 5/06	Methods for differentiating stem cells and use thereof in the treatment of dental conditions.
US2008125634 A1 20080529	Cornova INC [US]	US	A61B 18/20	Method and apparatus for identifying and treating myocardial infarction.
US2008064098 A1 20080313	Cryo Cell Int [US]	US	C12N 5/08	Procurement, isolation and cryopreservation of maternal placental cells.
EP1887860 A2 20080220	Ct de Investigacion Biomolecul [ES]	EP	A01K 67/027	Murine stem cells and applications thereof.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008030265 A2 20080313	Cvac Systems Inc [US]; Linton Carl E [US]; Ruszkowski Allen [US]; Tidwell Thomas Jackson [US]		A61K 38/17	Combination pressure therapy.
EP1903107 A1 20080326	Cybios LLC [US]	EP;US	C12N 5/06	Pluripotent embryonic-like stem cells, compositions, methods and uses thereof.
WO2008048647 A1 20080424	Cythera Inc [US]; Baetge Emmanuel Edward [US]; D Amour Kevin [US]	US	C12N 5/08	Modulation of the phosphatidylinositol-3-kinase pathway in the differentiation of human embryonic stem cells.
EP1921133 A2 20080514	Cytori Therapeutics INC [US]	EP;US	A61M1/00	System for processing lipoaspirate cells.
US2008138896 A1 20080612	Dana Farber Cancer Inst Inc [US]	US	A61K 38/00	Methods for inhibiting melanocyte stem cell loss.
WO2008060446 A2 20080522	David Gladstone Inst [US]; Srivastava Deepak [US]; Kwon Chulan [US]	US	C11B3/02	Methods for inducing cardiomyogenesis.
US2008085330 A1 20080410	Davis S Cyndy [US]; Bickford Paula [US]; Sanberg Paul [US]; Tan Jun [US]; Shytle R D [US]	US	A61K36/82	Compounds for stimulating stem cell proliferation including spirulina.
WO2008013967 A2 20080131	De Crecy Eudes [US]	US	C12M1/36	Continuous culture apparatus with mobile vessel, allowing selection of fitter cell variants and producing a culture in a continuous manner continuous culture apparatus with mobile vessel and producing a culture in a continuous manner.
US2008138321 A1 20080612	Desert Lake Technologies LLC [US]	US	A61K35/74	Method for enhancing stem cell trafficking.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008034608 A1 20080327	Deutsches Krebsforsch [De]; Martin-Villalba Ana [DE]; Schreglmann Nina [DE]; Letellier Elisabeth [DE]; Kleber Susanne [DE]; Klussmann Stefan [DE]	US	C07K 14/705	The death receptor cd95 controls neurogenesis of adult neural stem cells in vivo and in vitro.
EP1930412 A1 20080611	Dialectica S R L [IT]	EP	C12N 5/06	Neural stem cell medium and differentiation method.
WO2008068589 A2 20080612	Dialectica S R L [IT]; Cattaneo Elena [IT]; Conti Luciano [IT]; Reitano Erika [IT]; Goffredo Donato [IT]	EP	C12N 5/06	Neural stem cell medium and differentiation method - neural stem cell medium and differentiation method.
CA2606658 A1 20080413	Diamandis Phedias [CA]; Tyers Mike [CA]; Dirks Peter B [CA]	US	A61K45/08	Compositions and methods for treating neurological disorders or damage.
EP1918365 A1 20080507	Dkfz Deutsches Krebsforschungs [DE]; Landesstiftung Baden Wuerttemb [DE]	EP	C12N 5/08	Labeling of human epidermal stem cells.
JP2008119006 A 20080529	Dnavec Research Inc; Mitsubishi Tanabe Pharma Corp	JP	C12N 15/09	Gene transfer into primate embryonic stem cells using vsv-g pseudo type simian immunodeficiency virus vector.
NZ543612 A 20080328	Dompe Spa	EP	A61K 38/18	Pharmaceutical combination of G-CSF and PLGF useful for blood stem cell.
KR20080020098 A 20080305	Dong A Pharm Co Ltd [KR]; Oh Sun Kyung [KR]; Moon Shin Yong [KR]	KR	C12N 5/08	Media compositions containing low concentrations of glucose useful for human embryonic stem cells, differentiation method of human embryonic stem cells into insulin-producing cells or cell clusters using thereof, and insulin-producing cells or cell cluster.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008070830 A1 20080320	Dzau Victor J [US]; Wu Yaojiong [HK]	US	A61K31/70	Homing of cells to myocardium.
US2008032401 A1 20080207	Edinger James [US]; Ye Qian [US]; Wang Jia-Lun [US]; Hariri Robert J [US]	US	C12N 5/02	Placental stem cell populations.
US2008152629 A1 20080626	Edinger James [US]; Yi Qian [US]; Wang Jia-Lun [US]; Hariri Robert J [US]	US	A61K 35/50	Placental stem cell populations.
WO2008066734 A2 20080605	Einstein Coll Med [US]; D Adamio Luciano [US]; Giliberto Luca [US]	US	A01K67/00	Transgenic mammals modified bri protein expression.
JP2008050355 A 20080306	Eisal R & D Man Co Ltd; Univ Tokyo	US	A61K 45/00	Medicinal composition for and method of proliferating, differentiating and/or mobilizing hematopoietic stem cell in circulatory system.
JP2008069183 A 20080327	Endo Fumio; Bios Ikagaku Kenkyusho KK	JP	A61K 35/12	Stem cell originating from salivary duct epithelium and use thereof.
AU2008200852 A1 20080313	Enteromed Inc	AU	A01K 67/027	Treatment or replacement therapy using transgenic stem cells delivered to the gut.
AU2002301347B B2 20080403	Es Cell Int Pte Ltd	US; AU	C12N 5/08	Embryonic stem cells and neural progenitor cells derived therefrom.
GB2444686 A 20080611	Es Cell Int Pte Ltd [SG]	AU; US	C12N 5/08	Cardiomyocyte production.
US2008057040 A1 20080306	Es Cell Int Pte Ltd [SG]	AU	A61K 45/00	Cell preservation method.
WO2008004990 A2 20080110	Es Cell Int Pte Ltd [SG]; Crook Jeremy Micah [SG]; Horne Rachel [SG]; Phillips Blaine Wesley [SG]	US		Method for stem cell culture and cells derived therefrom.
CN101180388 A 20080514	Eun Tak Kabushiki Kaisha [KR]	KR	C12N 5/08; C12N 5/06	Composition comprising okadaic acid for undifferentiated proliferation of embryonic stem cells.
WO2008005538 A2 20080110	Exelixis Inc [US]; Zhang Wentao [US]	US	A61K31/506	Methods of using igf1r and abl kinase modulators.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008014179 A1 20080117	Ferree Bret A [US]	US	A61K 35/12	Tissue transplantation compositions and methods.
CN101106955 A 20080116	Fidia Advanced Biopolymers Srl [IT]	US	A61F 2/02	Hyaluronic acid derivative and neural stem cells for SCI and PNT regeneration.
CN101117625 A 20080206	Field Operation Blood Transfus [CN]	CN	C12N 5/06	Method for evoking differentiation of mesenchyma stem cell and fat stem cell into neurons and special culture medium thereof
CN101117626 A 20080206	Field Operation Blood Transfus [CN]	CN	C12N 5/08	Method for creating hepatocyte by human embryo stem cell external evoked differentiation.
CN101148656 A 20080326	Field Operation Blood Transfus [CN]	CN	C12N 5/08	Construction method for tissue engineering liver unit and tissue engineering liver unit.
KR20080004881 A 20080110	Filmiagen Co Ltd [KR]	KR	C12N 5/06	Method for preparing of mesenchymal stem cell by ultrasound treatment.
CN101147810 A 20080326	First Affiliated Hospital Of N [CN]	CN	A61L27/38	Cell-biodegradable material compound and its preparation method and application
NZ533688 A 20080630	Ford Henry Health System	US	A61K 38/17	Materials from bone marrow stromal cells for use in forming blood vessels and producing angiogenic and trophic factors
CN101138654 A 20080312	Fourth Military Medical Univer [CN]	CN	A61L27/60	Organization engineering skin containing peripheral hematopoietic stem cells and method of preparing the same
WO2008030539 A2 20080313	Frankel Arthur E [US]	US	A61K38/20	Methods and compositions based on diphtheria toxin-interleukin-3 conjugates.
ES2291890T T3 20080301	Fraunhofer Ges Forschung	DE	C12N 5/06	Procedimiento para la diferenciacion de celulas madre en celulas que producen una hormona pancreatica.
US2008132803 A1 20080605	Friedlander Hyman [IL]	US	A61B10/00	Method and system for doing business by mining the placental-chord complex.
US2008047026 A1 20080221	Fuchs Elaine [US]; Tumbar Tudorita [US]; Blanpain Cedrick [Be]; Lowry William E [US]	US	C12N 5/06	Method for isolating a self-renewing, multipotent, slow-cycling cell.
CN101129356 A 20080227	Fuwai Hospital Of Cardiovascul [CN]	CN	A61K31/366	Application of lovastatin in preparing medicament for restraining apoptosis of mesenchymal stem cell between medullas.
CA2626809 A1 20080103	Gambro Bct Inc [US]	US	C12N 5/06	Method of culturing mesenchymal stem cells.
GB2445073 A 20080625	Ge Healthcare Bio Sciences Ab [SE]	SE	G01N1/10	Cell separation device.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008057579 A1 20080306	Gen Hospital Corp [US]	US	C12N 5/02	Methods and products for manipulating hematopoietic stem cells.
WO2008021475 A2 20080221	Gen Hospital Corp [US]; Arnaout M Amin [US]	US	A61K 39/395	Compositions and methods for hematopoietic stem cell expansion or for modulating angiogenesis.
WO2008054819 A2 20080508	Gen Hospital Corp [US]; Chien Kenneth R [US]; Caron Leslie [US]; Nakano Atsushi [US]; Moretti Allesandra [DE]	US	C12N 5/00	Cardiovascular stem cells, methods for stem cell isolation, and uses thereof.
WO2008060788 A2 20080522	Gen Hospital Corp [US]; Yarmush Martin L [US]; Parekkadan Biju [US]	US	C12M1/12	Compositions, methods, and devices for treating liver disease.
EP1882523 A2 20080130	Genetix Ltd [GB]	EP;US	B01L3/00	Animal cell colony selection and picking method
BRPI0702057 A 20080318	Genoa Biotecnologia S A [Br]	BR	A61K31/203	Ácido retinóico aplicado a culturas de células mononucleares in vitro.
WO2008053892 A1 20080508	Genomix Co Ltd [JP]; Tamai Katsuto [JP]; Yamazaki Takehiko [JP]; Kaneda Yasufumi [JP]	JP	A61K 38/00	Pharmaceutical for promoting functional regeneration of damaged tissue.
EP1894997 A1 20080305	Genzyme Corp [US]	EP;US	C12N 5/02	Improvement of cardiac function by mesenchymal stem cell transplantation.
WO2008017025 A2 20080207	Genzyme Corp [US]; Bridger Gary [US]; Pelus Louis M [US]	US	A61K31/40	Combination therapy.
WO2008019371 A1 20080214	Genzyme Corp [US]; Bridger Gary [US]; Pelus Louis M [US]	US	A61K38/02	Combination therapy.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
DE102007040252 A1 20080612	Gerlach Joerg [DE]	US	A61M11/00	Device for electronically flow-controlled distribution of tissue regenerating cell in sterile suspension across an area for further growth comprises electronically pressure/flow controlled spray head enabling controlled pump driven spraying.
US2008145889 A1 20080619	Geron Corp	US	C12Q1/18	Islet cells from human embryonic stem cells.
AU2007254644 A1 20080124	Geron Corp	AU	C12N 5/06	Islet cells from human embryonic stem cells.
KR20080014932 A 20080214	Geron Corp [US]	US	C12N 5/08	Islet cells from human embryonic stem cells.
GB2441718 A 20080312	Geron Corp [US]	US	C12N 5/06	Differentiation of primate pluripotent stem cells to cardiomyocyte-lineage cells.
GB2441488 A 20080305	Geron Corp [US]	US	C12N 5/06	Suspension culture of human embryonic stem cells.
US2008058223 A1 20080306	Government Of The Us As Repres [US]	US	C40B50/06	Passaged neural stem cell-derived neuronal networks as sensing elements for detection of environmental threats.
RU2330674 C1 20080810	Gu Nii Farmakologii Tom Nauchn [RU]	RU	A61K 35/14	Method of intensification of stem cells mobilization.
US2008102063 A1 20080501	Gustavo Moviglia [AR]	US	A61K 35/00	Methods and compositions for stem cell therapies.
KR20080007800 A 20080123	Han Hoon [KR]	KR	A61K 35/44	Composition for cell therapy of spinal cord injury with stem cell derived from umbilical cord blood of cd34 negative and cd45 positive.
CN101152251 A 20080402	Hangzhou Hebo Biotechnology Co [CN]	CN	A61K36/575	Application of magnolia bark and its active ingredient in preparing medicament for treating tumour stem cell.
US2008131966 A1 20080605	Hariri Robert J [US]	US	C12N 5/08	Renovation and repopulation of decellularized tissues and cadaveric organs by stem cells.
US2008131410 A1 20080605	Hariri Robert J [US]	US	A61K 35/50	Placental stem cells derived from post-partum mammalian placenta, and uses and methods of treatment using said cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008113925 A1 20080515	Harley Calvin Bruce [US]; Chin Allison C [US]; Akama Tsutomu [US]; Ip Nancy Yuk-Yu [HK]; Yung-Hou Wong [HK]; Miller-Martini David M [US]	US	A61K31/704	Compositions and methods for increasing telomerase activity.
WO2008045506 A2 20080417	Harvard College [US]; Feinberg Adam W [US]; Parker Kevin Kit [US]	US	C12M 3/00	Biopolymer structures.
US2008044848 A1 20080221	Heidaran Mohammad A [US]	US	C12N 5/06	Placental niche and use thereof to culture stem cells.
US2008081370 A1 20080403	Hematti Peiman [US]; Trivedi Parul A [US]	US	C12N 5/08	Directed differentiation of human embryonic stem cells into mesenchymal/stromal cells.
AU2002335610B B2 20080417	Hemogenix Inc	US	C12N 5/02	High-throughput stem cell assay of hematopoietic stem and progenitor cell proliferation.
ES2294967 A1 20080401	Hernandez Navarro Fernando [ES]	ES	C12N 5/08	Method for programmed freezing of hematopoietic stem-cells for use in bone marrow transplantation, or for conservation of embryonic cells, involves carrying out immersion bath of hematopoietic stem-cells in methanol.
US2008031870 A1 20080207	Holmberg Johan [SE]; Frisen Jonas [SE]	US	A61K 38/17	Method of proliferation in neurogenic regions.
CN101152580 A 20080402	Hongguang Lu [CN]	CN	A61L27/60	Method for producing tissue engineering skin outside of the body with scarifskin stem cell.
US2008038770 A1 20080214	Hospital For Sick Children [CA]	US	C12Q1/20	Cancer stem cells and uses thereof.
CN101144070 A 20080319	Huailin Wang [CN]	CN	C12N 5/08	Marrow umbilical cord blood stem cell in vitro separating kit and application method thereof.
US2008038238 A1 20080214	Huberman Eliezer [US]; Zhao Yong [US]	US	A61K 48/00	Human stem cell materials and methods.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008032905 A1 20080320	Hurim Biocell Co Ltd [KR]; Kim Chul Geun [KR]; Do Byung-Rok [KR]; Lee Jong Joo [KR]; Jeon Jinseon [KR]; Heo Hyen Seok [KR]; Kang Ho Chul [KR]; Kim Hyun-Soo [KR]	KR	C12Q 1/68	Genes involved in differentiation of human stem cell lines and the microarray kit containing these genes.
KR100800400B B1 20080201	Hurimbiocell Co Ltd [KR]; Do Byung Rok [KR]	KR	C12N 15/10	Gene related with differentiation of human stem cell lines.
KR100807618B B1 20080228	Hurimbiocell Co Ltd [KR]; Do Byung Rok [KR]	KR	G01N 33/53	Micro-array kit for detecting the differentiation of human stem cell lines.
US2008138415 A1 20080612	Hussain Mehboob [US]; Dennis Robert G [US]; Wolf David A [US]	US	A61K 35/12	Composition and method for producing composition for constructing tissue, and tissue construct.
US2008050347 A1 20080228	Ichim Thomas E [US]	US	A61K 35/12	Stem cell therapy for cardiac valvular dysfunction.
ES2299590T T3 20080601	Imclone Systems Inc; Cornell Res Foundation Inc	US	A61K 35/28	Uso medico de celulas madre que expresan vegfr-1.ng vegfr-1 .
AR058796 A1 20080227	Immunotech Sa [AR]	EP	A61K 31/7105	Oligonucleotidos estimulantes de l a proliferacion de celulas madre mesenquimatosas y sus usos.
CN101151362 A 20080326	In Motion Invest Ltd [HK]	US	C12N 5/00	In vitro techniques for use with stem cells.
KR100797909B B1 20080124	Ind Academic Coop [KR]	KR	C12N 5/08	Composition for inducing differentiation of multi-potent neural stem cells and method for inducing differentiation using the same.
KR100830528B B1 20080521	Ind Academic Coop [KR]	KR	C12M 1/30	Carrier for human body delivery of bone marrow stem cell and growth hormone.

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KR100799988B B1 20080131	Ind Academic Coop [KR]	KR	C12M 3/00	The bio-reactor which exerts various mechanical stimula for nurturing of stem cell and the method of nuturing of stem cell which uses it.
EP1877542 A1 20080116	Innovative Dairy Products Pty [AU]	US	C12N 5/06	A method for producing stem cells or stem cell-like cells from mammalian embryos.
US2008044392 A1 20080221	Innovative Dairy Products Pty [AU]	AU	A61K 35/12	Isolation of stem cell-like cells and use thereof.
CN101173247 A 20080507	Inst Basic Med Sciences Pla [CN]	CN	C12N 5/06	Method for culturing osteoclast with mesenchyma stem cell combined with cell factor.
CN101182488 A 20080521	Inst Basic Med Sciences Pla [CN]	CN	C12N 5/06	New use of mesenchyma stem cell.
US2008009442 A1 20080110	Inst Human Genetics Biochem [US]	US	A61K 38/17	Therapeutic use for alpha1 proteinase inhibitor in hematopoiesis.
US2008038230 A1 20080214	Inst Medical W & E Hall [AU]	AU	C12N 5/08	Method of cell isolation.
WO2008025069 A1 20080306	Inst Medical W & E Hall [AU]; Hilton Douglas James [AU]; Majewski Ian [AU]; Alexander Warren Scott [AU]; Blewitt Marnie Elisabeth [AU]; De Graaf Carolyn Anne [AU]	AU	C12N 15/09	Methods of modulating cellular activity and compositions therefore.
WO2008063092 A2 20080529	Inst Medycyny Doswiadczalnej I [PL]; Lipkowski Andrzej [PL]; Grabowska Anna [PL]; Kurzepa Katarzyna [PL]; Szczucinska Aleksandra [PL]	PL		Novel microstructural protein preparations containing adsorbed biologically active substances and their application in medicine and cosmetics.

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WO2008031451 A1 20080320	Inst Molekulare Diagnostik Und [DE]; Kaltschmidt Barbara [DE]; Widera Darius [DE]; Grimm Wolf-Dieter [DE]; Kaltschmidt Christian [DE]	EP	C12N 5/06	A post-natal periodontal-derived neural stem cell.
US2008057028 A1 20080306	Inst Nat Sante Rech Med [FR]; Licentia Ltd	US;JP	A61K 38/18	Vegf-c or vegf-d materials and methods for stimulation of neural stem cells.
CN101199550 A 20080618	Inst Of Hematology Chinese Aca [CN]	CN	A61K 35/50	Method of preparing containing endothelium ancestor cell preparation utilizing umbilical or placenta and uses thereof.
CN101205531 A 20080625	Inst Of Open War Blood Filteri [CN]	CN	C12N 5/10	Fetus liver stroma cell strain expressing alkaline fibroblast growth factor and uses thereof.
WO2008036349 A2 20080327	Insugen Llc [US]; Westenfelder Christof [US]	US	C12N 5/00	Fused stem cells useful for the treatment of diabetes and methods thereof.
KR20080024194 A 20080317	Irm Llc [US]; Scripps Research Inst [US]	US	C07D 487/04	Compounds that maintain pluripotency of embryonic stem cells.
US2008008689 A1 20080110	Ixion Biotechnology Inc [US]	US	A61K 48/00	Method for transdifferentiation of non pancreatic stem cells to the pancreatic differentiation pathway.
US2008020407 A1 20080124	Jamieson Catriona Helen M [US]; Ailles Laurie [US]	US	G01N 33/574	Identification, isolation and elimination of cancer stem cells.
EP1878436 A1 20080116	Japan As Represented By Genera [JP]; Hubit Genomix Inc [JP]	JP	A61K 38/00	Method of regenerating or repairing damaged tissue by using adrenomedulin.

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WO2008056779 A1 20080515	Japan As Represented By The Pr [JP]; Mitsubishi Tanabe Pharma Corp [JP]; Yuo Akira [JP]; Tobe Kumiko [JP]; Saeki Koichi [JP]; Nakahara Masako [JP]; Nakamura Naoko [JP]; Yogisashi Yoshiko [JP]; Matsuyama Satoko [JP]; Yoneda Asako [JP]	JP	C12N 5/06	Method for culture and passage of primate embryonic stem cell, and method for induction of differentiation of the embryonic stem cell.
EP1876233 A1 20080109	Japan Health Sciences Foundati [JP]	JP	C12N 5/06	Cells capable of differentiating into cardiac muscle cells.
US2008031859 A1 20080207	Japan Science & Tech Agency	JP;US	A61K 35/12	Central nervous system neural progenitor cell which induces synapse-forming neurons in the spinal cord.
CN201044671Y Y 20080409	Jianmin Qin [CN]	CN	A47B 63/00	Closet for saving stem cell specimen record.
WO2008024996 A2 20080228	Johnstone Brian H [US]; March Keith Leonard [US]; Du Yansheng [US]	US	C12N 5/00	Production of neural protective and regenerative factors from stem cells and treatment of nervous system conditions therewith.
JP2008022822 A 20080207	Kanegafuchi Chemical Ind	JP	C12N 5/06	System for separating and culturing adult stem cell.
JP2008031094 A 20080214	Kao Corp	JP	A61K 31/708	Scf binding inhibitor
JP2008031089 A 20080214	Kao Corp	JP	A61K 8/97	Scf binding inhibitor
JP2008031091 A 20080214	Kao Corp	JP	A61K 31/19	Scf binding promoter

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JP2008031096 A 20080214	Kao Corp	JP	A61K 31/192	Scf binding inhibitor
JP2008031095 A 20080214	Kao Corp	JP	A61K 36/18	Scf binding inhibitor
WO2008058216 A2 20080515	Keck Graduate Inst [US]; Phillips Michael Ian [US]; Tang Yao Liang [US]	US	C12N 5/06	Enriched stem cell and progenitor cell populations, and methods of producing and using such populations.
WO2008066199 A1 20080605	Kobayashi Naoya [JP]; Rivas-Carrillo Jorge David [JP]; Tanaka Noriaki [JP]	JP	C12N 5/06	Method of inducing differentiation of embryonic stem cells into insulin-secreting cells, insulin-secreting cells induced by the method and use of the same.
JP2008092891 A 20080424	Koken Kk	JP	C12N 5/06	Method for separating retinal stem cell and retinal stem cell.
RU2323252 C1 20080427	Kolesnikova Antonina Ivanovna [RU]	RU	C12N 5/08	Method for culturing human mesenchymal stem cells ex vivo.
US2008096273 A1 20080424	Kondo Yasushi [JP]; Suzuki Yutaka [JP]; Okuno Tsuyoshi [JP]; Nakayama Takashi [JP]; Inoue Nobuo [JP]	JP	C12N 5/02	Method for preparing conditioned medium of astrocyte-like cells.
KR20080037281 A 20080430	Korea Food & Drug Administrati [KR]; Pusan Nat Univ Ind Coop Found [KR]	KR	C12N 5/00	Methods for selection and culture of mesenchymal stem cell expressing cd9.
CN101198690 A 20080611	Korea Res Inst Of Bioscience [KR]	KR	C12N 5/00	Agent containing vdup1 protein or its encoding gene for differentiating hemopoietic stem cell into natural killer cell, and method for differentiating hemopoietic stem cell into natural killer cell by.
WO2008002250 A1 20080103	Kozlova Elena [SE]	US	C12N 15/63	Improved stem cells for transplantation and methods for production thereof.

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US2008113400 A1 20080515	Kruse Charli [DE]; Fuhr Gunter [DE]	DE	C12N 5/06	Methods and devices for culturing stem cells.
US2008050722 A1 20080228	Kye Seong Kim [KR]	US	C12Q 1/68	Novel mirna molecules isolated from human embryonic stem cell.
WO2008053909 A1 20080508	Kyowa Hakko Kogyo Kk [JP]; Yamada Yoji; Miyazawa Tatsuya; Yoshida Tetsuo	JP	C12N 5/00	Agent for controlling growth and/or differentiation of mesenchymal stem cell.
KR100818191B B1 20080331	Kyungpook Nat Univ Ind Acad [KR]	KR	C12N 5/06	A method for inducing neurogenic differentiation of mesenchymal stem cell by beta;-amyloid peptide.
US2008152647 A1 20080626	Lawman Michael J P [US]; Lawman Patricia [US]	US	A61K 39/395	Novel antibody recognizing a small subset of human hematopoietic cells.
GB2440333 A 20080130	Lifeline Cell Technology [US]	US	C12N 5/06	Synthetic cornea from retinal stem cells.
WO2008036447 A2 20080327	Lifescan Inc [US]; Pellegrino-Gensey J Lee [US]; Fryer Benjamin [US]	US	C12N 5/06	Pluripotent stem cell culture.
US2008057505 A1 20080306	Lin Ping [US]; Ghetti Andrea [US]; Shi Wenge [US]; Tang Mengjia [US]; Harvie Gioulnar I [US]; Tao Huimin [US]; Tao Guoliang [US]; Wu Lei [US]; Cerny David [US]; Xu Jia [US]	US	G01N 33/574	Methods and compositions for detecting rare cells from a biological sample.
US2008124286 A1 20080529	Lisson Jerold B [US]	US	A61K 8/00	Algae supplement and treatment method.
US2008050350 A1 20080228	Livestock Res Inst Council Of	TW	C12N 15/87	Method for introducing an exogenous gene into a stem cell.

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US2008057033 A1 20080306	Lonai Peter [IL]; Stirbu-Lonai Rozmari [IL]	US	A61K 38/00	Neural stem cells and methods of generating and utilizing same.
WO2008076556 A2 20080626	Massachusetts Eye & Ear Infirm [US]; Edge Albert [US]	US	C12N 5/08	Generation of inner ear cells.
US2008154370 A1 20080626	Mathies Burkhard [CH]	US	A61F 2/02	In situ system for intra-articular chondral and osseus tissue repair.
EP1914300 A1 20080423	Matsumoto Dental University [JP]	JP	C12N 5/06	Tooth regeneration method.
NZ539308 A 20080328	Medcell Bioscience Ltd	GB	A61K 35/14	Pharmaceutical kits comprising mesenchymal stem cells.
EP1872789 A1 20080102	Medcell Bioscience Ltd [GB]	EP;GB	A61K 35/28	Pharmaceuticals kits comprising mesenchymals stem cells.
KR20080049917 A 20080605	Medipost Co Ltd [Kr]	KR	C12N 5/08	Composition for inducing differentiation and proliferation of neural precursor cells or neural stem cells to neural cells, comprising a human umbilical cord blood-derived mesenchymal stem cell as an active ingredient.
KR100819860B B1 20080408	Medipost Co Ltd [Kr]	KR	C12N 5/08	Stem cell bag unit.
WO2008066330 A1 20080605	Medipost Co Ltd [KR]; Oh Wonil [KR]; Yang Yoon-Sun [KR]; Chang Jong Wook [KR]; Choi Soo Jin [KR]; Kim Ju-Yeon [KR]	US; KR	C12N 5/08	Use of a composition containing human umbilical cord blood-derived mesenchymal stem cell for inducing differentiation and proliferation of neural precursor cells or neural stem cells to neural cells.
KR20080026415 A 20080325	Medipost Co Ltd [KR]; Seoul Nat Univ Ind Foundation [KR]	KR	C12N 5/08	Method for the differentiation of mesenchymal stem cells from umbilical cord blood into cardiomyocytes.
WO2008036374 A2 20080327	Medistem Lab Inc [US]; Ichim Thomas E [US]; Riordan Neil H [US]	US	C12N 5/00	Allogeneic stem cell transplants in non-conditioned recipients.

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WO2008031448 A1 20080320	Meditech Ind Llc [US]; Bryukhovetskiy Andrei Stepanov [RU]; Palumbo Olga [CH]; Pugachev Georgy Ruslanovich [RU]	EP	A61K 35/14	Preparation of autologous non-hematopoietic progenitor stem cells, method of preparation and use thereof.
US2008020015 A1 20080124	Medivas Llc [US]	US	A61K 35/12	Bioactive wound dressings and implantable devices and methods of use.
WO2008012675 A2 20080131	Metapontum Agrobios S R L [IT]; Cifarelli R Anna [IT]; Cellini Francesco [IT]; Di Liddo Rosa [IT]; Parnigotto P Paolo [IT]	IT	C12N 5/08	Method for the production of multipotent stem cells, relative kits and uses in the medical field.
US2008045861 A1 20080221	Miller Larry J [US]; Bolleter David S [US]; Titkemeyer Robert W [US]; Harmon Matthew T [US]	US	A61B10/00	Medical procedures trays and related methods
US2008045857 A1 20080221	Miller Larry J [US]; Bolleter David S [US]; Titkemeyer Robert W [US]; Kilcoin Christopher B [US]	US	A61B10/02	Bone marrow aspiration devices and related methods.
EP1873237 A1 20080102	Millipore Corp [US]	US	C12N 5/06	Growth of embryonic stem cells.
WO2008070171 A2 20080612	Minerva Biotechnologies Corp [US]; Bamdad Cynthia [US]	US	C12N 5/08	Method for identifying and manipulating cells.
US2008038229 A1 20080214	Minguell Jose J [CL]; Lasala Gabriel Perez	US	A61K 35/14	Intracoronary injection of a mixture of autologous bone marrow derived mononuclear cells and autologous bone marrow derived

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	[US]			mesenchymal stem cells for utilization and rescue of infarcted myocardium.
US2008108136 A1 20080508	Mitsubishi Heavy Ind Ltd [JP]; Rui Yuge [JP]	JP	C12N 5/06	Method and apparatus of cultivating multipotent stem cell.
JP2008061622 A 20080321	Mitsubishi Kagaku Iatron Inc; Chemo S Therapeut Res Inst	JP	C12Q1/37	Method for grasping morbidity of patient treated with hematopoietic stem cell implantation
US2008025955 A1 20080131	Mitsubishi Tanabe Pharma Corp [JP]	JP	A61K 35/12	Method of producing vascular endothelial cells from primate embryonic stem cells
US2008095746 A1 20080424	Miyajima Atsushi [JP]; Takeuchi Masaki [JP]; Yahara Ichiro [JP]; Okabe Tomoya [JP]; Onitsuka Izumi [JP]	JP	A61K 39/00	Process for producing hematopoietic stem cells or vascular endothelial precursor cells.
KR20080042761 A 20080515	Moon Chan Il [KR]	KR	C12N 5/06	Method for proliferating stem cells with leptin.
WO2008057443 A2 20080515	Multiple Sclerosis Res Ct Of N [US]; Sadiq Saud A [US]; Violaine Harris K [US]	US	A61K 35/30	Bone marrow-derived mesenchymal stem cells as a source of neural progenitors.
US2008085554 A1 20080410	Nakatsuji Norio [JP]; Suemori Hirofumi [JP]; Asaka Isao [JP]; Sugai Harafumi [JP]; Okamoto Reiko [JP]	JP	C12N 5/06	Culture medium for culturing feeder cells for embryonic stem cells culture and the prepared feeder cells.
US2008051332 A1 20080228	Nastech Pharm Co	US	A61K38/29	Method of modulating hematopoietic stem cells and treating hematologic diseases using intranasal parathyroid hormone.
US2008063629 A1 20080313	Nat Jewish Med & Res Center [US]	US	A61K 35/00	Method for production of neutrophils and uses therefore.

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WO2008008550 A2 20080117	Nat Stem Cell Inc [US]; Shamblott Michael J [US]; Cohen Michael [US]	US	C12N 5/08	Compositions and methods for growing human embryonic stem cells.
KR100814504B B1 20080318	Nat Univ Chonbuk Ind Coop Foun [KR]	KR	C12N 5/06	The neurogenic differentiation method of mesenchymal stem cells.
WO2008056734 A1 20080515	Nat University Corp Kumamoto U [JP]; Mitsubishi Tanabe Pharma Corp [JP]; Senju Satoru; Nishimura Yasuharu	JP	C12N 5/06	Method for producing dendritic cells from human embryonic stem cells.
ES2292187T T3 20080301	Neuralstem Biopharmaceuticals	US	C12N 5/08	Aislamiento, propagacion y diferenciacion dirigida de celulas madre del sistema nervioso central de mamiferos.
WO2008023829 A1 20080228	Nat University Corp Tokyo Medi [JP]; Scy Med Inc [JP]; Sekiya Ichiro [JP]; Muneta Takeshi [JP]; Morio Tomohiro [JP]; Shimizu Norio [JP]; Kuroiwa Yasuyuki [JP]	US	C12N 5/00	Application of synovium-derived mesenchymal stem cells (mscs) for cartilage or meniscus regeneration.
ES2290032T T3 20080216	Neuro Therapeutics Ab	US	C12N 5/06	Procedimiento para la produccion de neuronas dopaminergicas.
WO2008028111 A2 20080306	Neuronascent Inc [US]; Kelleher-Andersson Judith [US]	US	C12N 5/00	Isolation and differentiation of adult hippocampal arctic ground squirrel neural stem cells.
US7361505 B1 20080422	Neurospheres Holdings Ltd [CA]		C12N 5/06	Multipotent neural stem cell compositions.
CN101121926 A 20080213	Northwest Science & Technology [CN]	CN	C12N 5/06	Limbus corneae stem cell serum-free culture medium.

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US2008051565 A1 20080228	Nuvelo Inc [US]	US	C07H21/04	Methods and materials relating to stem cell growth factor-like polypeptides and polynucleotides.
US2008076715 A1 20080327	Nuvelo Inc [US]	US	A61K38/16	Methods and materials relating to stem cell growth factor-like polypeptides and polynucleotides.
US2008026462 A1 20080131	Ogle Roy C [US]; Tholpady Sunil [US]	US	C12N 5/06	Meningeal-derived stem cells.
JP2008029201 A 20080214	Okada Hidechika; Okada Yuubu	JP	C12N 5/06	Method for preparing stem cell and tissue remedy.
EP1929032 A2 20080611	Oklahoma Med Res Found [US]	US	C12P 21/06	Regulation of toll-like receptors on stem cells.
US2008099948 A1 20080501	Olympus Corp [JP]	JP	B27N3/02	Material for repairing biological tissues and process for producing the same.
EP1881062 A1 20080123	Olympus Corp [JP]	JP	C12N 5/02	Culture method for mesenchymal stem cell and process for production of supporting material for biological tissue.
US2008038822 A1 20080214	Oncolytics Biotech Inc [CA]	US	C12N 5/00	Virus clearance of neoplastic cells from mixed cellular compositions.
EP1930413 A1 20080611	Oriental Yeast Co Ltd [JP]	JP	C12N 5/06	Technique for culture of mesenchymal stem cell utilizing laminin-5.
ES2296413T T3 20080416	Osiris Therapeutics Inc	US	A61K 35/12	Regulacion de la diferenciacion de celulas madre hematopoyeticas por el uso de celulas madre mesenquimaticas humanas.
ES2292245T T3 20080301	Osiris Therapeutics Inc	US	C12N 5/06	Celulas madre mesenquimaticas cd45+ y/o fibroblasto+humanas.
WO2008042174 A2 20080410	Osiris Therapeutics Inc [US]; Pittenger Mark [US]; Aggarwal Sudeepta [US]; Varney Timothy [US]	US	C12N 5/00	Mesenchymal stem cells and uses therefore.
DE102006060247 A1 20080327	Ossacur Ag [DE]	DE	C12N 5/08	Differentiating stem cells or precursor cells for tissue type, especially for use in therapy, involves treating the cells with extracts containing active ingredients for such differentiation and then culturing and differentiating.

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WO2008031588 A1 20080320	Ossacur Ag [DE]; Briest Arne [DE]	DE	C12N 5/08	Differentiating of stem cells.
US2008026460 A1 20080131	Palecek Sean P [US]; Mohr Jeffrey C [US]; De Pablo Juan J [US]	US	C12N 5/02	Method for culturing stem cells.
KR20080016000 A 20080221	Park Hyun Sook [KR]	KR	C12N 5/06	Method for co-culture of stem cells and feeder cells using a polymer membrane.
WO2008018684 A1 20080214	Park Hyun Sook [KR]; Lee Sun Ray [KR]; Lee Jung Mi [KR]	KR	C12N 5/02	Culture medium for co-culturing of human stem cells and their feeder cells.
US2008031857 A1 20080207	Passier Robert [NLI]; Mummery Christine L [NL]	AU	C12N 5/08	Cardiomyocyte differentiation.
US2008051324 A1 20080228	Penney Christopher [CA]; Gagnon Lyne [CA]; Barabe Jean [CA]	US	A61K31/045	Medium-chain length fatty alcohols as stimulators of hematopoiesis.
US2008076148 A1 20080327	Peter Maccallum Cancer Inst	AU; US	C12Q1/04	Identifying haematopoietic stem cells based on cell surface markers.
WO2008027241 A2 20080306	Pharmathene Inc [US]; Behboodi Esmail [US]; Begin Isabelle [CA]; Rao Khalid M [CA]; Baldassarre Hernan [CA]	US	A01K 67/027	Non-human embryonic stem cell lines and transgenic animals derived from them.
BRPI0511872 A 20080115	Primegem Biotech Llc [US]	US	C12N5/16	Maturação de célula-tronco para todas as linhagens de tecido.
EP1904623 A1 20080402	Primegen Biotech Llc [US]	US	C12N 5/06	Therapeutic reprogramming of germ line stem cells.
BRPI0511889 A 20080115	Primegen Biotech Llc [US]	US	A61K 39/00	Reprogramação terapêutica, células-tronco híbridas e maturação.

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WO2008007373 A1 20080117	Procognia Israel Ltd [IL]; Rosenfeld Rakefet [IL]; Samokovlisky Albena [IL]; Maya Ruth [IL]; Yakir Yeshayahu [IL]; Landstein Dorit [IL]; Zalle Noa [IL]; Aloni Ronny [IL]	US	G01N 33/50	Method and assay for glycosylation pattern detection related to cell state.
EP1907572 A2 20080409	Procure Therapeutics Ltd [GB]	WO	C12Q 1/68	Prostate stem cell markers.
WO2008069663 A1 20080612	Publiekrechtelijke Rechtsperso [NL]; Wiertz Emmanuel Jacques Henri [NL]; Koppers-Lalic Danijela [NL]; Goulmy Elsa Afra Julia Maria [NL]; Offringa Rienk [NL]; Van Hall Thorbald Van Hall Tho [NL]	EP	C12N 5/08	Use of a varicellovirus tap-inhibitor for the induction of tumor- or virus-specific immunity against teipp.
GB2441268 A 20080227	Purdue Research Foundation [US]	WO	A61L27/28	Engineered extracellular matrices control stem cell behavior.
KR100832347B B1 20080526	Pusan Nat Univ Ind Coop Found [KR]	KR	A61K31/66	Composition for inducing differentiation of human mesenchymal stem cell into myofibroblasts comprising sphingosylphosphorylcholine.
KR20080026786 A 20080326	Pusan Nat Univ Ind Coop Found [KR]	KR	A61K 35/36	Therapeutic cell medicine comprising skin tissue derived stem cell.
US2008108044 A1 20080508	Rajesh Deepika [US]; Shaaban Aimen F [US]	US	A01N1/00	In vitro differentiation of hematopoietic cells from primate embryonic stem cells.

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WO2008020329 A2 20080221	Regenics As [NO]; Gammelsaeter Runhild [NO]; Remmereit Jan [NO]	US		Administration of cells and cellular extracts for rejuvenation.
AU2002334378B B2 20080228	Reliance Life Sciences Pvt Ltd	US	C12N 5/06	Isolation of inner cell mass for the establishment of human embryonic stem cell (hesc) lines.
EP1893748 A1 20080305	Reliance Life Sciences Pvt Ltd [IN]	IN	C12N 5/08	Establishment of a human embryonic stem cell line using mammalian cells.
KR20080036636 A 20080428	Reliance Life Sciences Pvt Ltd [IN]	IN; US	C12N 5/08	Pluripotent embryonic-like stem cells derived from corneal limbus, methods of isolation and uses thereof.
KR20080036546 A 20080428	Reliance Life Sciences Pvt Ltd [IN]	IN;US	C12N 5/08	Establishment of a human embryonic stem cell line using mammalian cells.
US2008124701 A1 20080529	Reliance Life Sciences Pvt Ltd [IN]	US	A01N 1/02	Growth of neural precursor cells using umbilical cord blood serum and a process for the preparation for therapeutic purposes.
JP2008119003 A 20080529	Renomedix Inst Inc; Aska Pharmaceutical Co Ltd; Mitsui Sumitomo Insurance Care; Hitachi Ltd	JP	C12N 5/06	Method for inducing differentiation from mesodermal stem cell, embryonic stem cell or immortalized mesodermal stem cell to nervous system cell.
US2008003560 A1 20080103	Reprocell Inc [JP]	JP;US	C12N15/02	Tailor-made pluripotent stem cell and use of the same.
KR20080005175 A 20080110	Reproductive Genetics Inst [US]	US	C12N 5/00	Morula derived embryonic stem cells.
JP2008099662 A 20080501	Rikagaku Kenkyusho	JP	C12N 5/06	Method for culturing stem cell.
US2008044901 A1 20080221	Riken [JP]	JP	C12N 5/02	Method of inducing the differentiation of embryonic stem cells into nerve by serum-free suspension culture.
WO2008035110 A1 20080327	Riken [JP]; Stem Cell Sciences Uk Ltd [GB]; Sasai Yoshiki [JP]; Watanabe Kiichi [JP]	JP;GB	C12N 5/02	Stem cell culture medium and method.

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WO2008038579 A1 20080403	Riken [JP]; Wakao Hiroshi [JP]; Fujii Shin-Ichiro [JP]; Shimizu Kanako [JP]; Koseki Haruhiko [JP]; Taniguchi Masaru [JP]; Ogura Atsuo [JP]; Kawamoto Hiroshi [JP]	JP	C12N 15/09	In vitro differentiation/induction of lymphocyte from stem cell having genotype provided after gene reconstitution.
KR100795708B B1 20080117	Rnl Bio Co Ltd [KR]	KR	C12N 5/08	Method for isolating and culturing adult stem cells derived from human amniotic epithelium.
US2008085557 A1 20080410	Robins Allan J [US]; Schulz Thomas C [US]	US	C12N 15/85	Human cancer stem cell culture compositions comprising erbb2 variants and methods of use thereof.
US2008038231 A1 20080214	Rodgerson Denis O [US]; Smith George S [US]; Allin Ronald E [US]; Marasco Wayne A [US]	US	A61K 35/12	Processing procedure for peripheral blood stem cells.
US2008152632 A1 20080626	Roslin Inst [GB]; Cxr Biosciences Ltd [GB]	US	A61K 35/00	Promoter-reporter cells for determining drug metabolism, drug interactions, and the effects of allotype variation
EP1896569 A1 20080312	Roslin Inst Edinburgh [GB]	GB	C12N 5/06	Method for differentiation of stem cells.
US2008050348 A1 20080228	Rudd Donnie [US]	US	A61K 35/12	Method and composition for repairing heart tissue.
US2008057042 A1 20080306	Rudd Donnie [US]	US	A61K 35/00	Method of providing readily available cellular material derived from cord blood, and a composition thereof.
US2008038820 A1 20080214	Rudy-Reil Diane E [US]	US	C12N 5/02	Induction of pluripotent stem cells into mesodermal lineages.
US2008118477 A1 20080522	Rush University Medical Ct [US]	US	A61K 35/48	Umbilical cord mesenchymal stem cells support cord blood hematopoiesis.

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UA82583 C2 20080425	Samchenko Yurii Markovych [UA]; Lukash Liubov Leonidivna [UA]; Kosenko Olha Oleksandrivna [UA]; Ulberh Zoia Rudolfivna [UA]; Ruban Tetiana Opanasivna [UA]; Kozynets Heorhii Pavlovych [UA]	UA	A61K 31/74	Biocompatible hydrogel for medical purpose and method for its production.
US2008112933 A1 20080515	Scadden David T [US]; Kronenberg Henry M [US]; Adams Gregor [US]	US	A61K 35/14	Methods and compositions for increasing stem cell homing using gas activators.
US2008057076 A1 20080306	Schering Ag [DE]	US	A61K 39/00	Novel fibroblast growth factors.
EP1935976 A1 20080625	Scripps Research Inst [US]	EP;US	C12N 5/06	Transfected myeloid-like cells for the treatment of retinopathy of prematurity and related diseases.
CN101100655 A 20080109	Second Military Medical Univer [CN]	CN	C12N 5/06	Method for orienting inducing and differentiating heart pacemaker cell by embryo source pluripotent stem cell.
CN101182547 A 20080521	Second Military Medical Univer [CN]	CN	C12N 15/85	Composite skin taking hair follicle stem cells as seed cell and construction method thereof.
WO2008040153 A1 20080410	Second Military Medical Univer [CN]; He Cheng [CN]; Zhang Weidong [CN]; Xu Xiaohui [CN]; Zhang Wei [CN]; Su Juan [CN]; Zhang Chuan [CN]	CN	A61K 31/37	Application of a coumarin compound in preparation of medicament for inducing nerve stem cell orienting differentiation.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
JP2008074732 A 20080403	Seikagaku Kogyo Co Ltd	JP	A61K 31/737	Method for maintaining activity of bone morphonogenetic protein and activity promoter.
UA32639U U 20080526	Seleznev Oleksandr Heorhiiovyc [UA]	UA	A61H 39/00	Professor selezniov's method for improving of sports results.
US2008044430 A1 20080221	Selivanov Eugenij A [RU]; Gonchare Vladimir A [RU]; Cravets Vasily N [RU]; Rugal Victor I [RU]	RU	A61K 39/395	Agent for stimulating the production of a blood coagulation factor viii.
KR20080047676 A 20080530	Seoul Nat Univ Ind Foundation [KR]	KR	C12N 5/06	Mesonephric stem cells lines.
EP1904624 A1 20080402	Seoul Nat Univ Ind Foundation [KR]	KR	C12N 5/08	Method for culturing and proliferating hematopoietic stem cells and progenitor cells using human endometrial cells.
KR20080026938 A 20080326	Seoul Nat Univ Ind Foundation [KR]	KR	C12N 5/08	Human cord blood multipotent stem cell having enhanced proliferation ability with osteoclast-based niche-like structure and method for preparing the same.
KR100818636B B1 20080401	Seoul Nat Univ Ind Foundation [KR]	KR	A61F2/10	Artificial skin containing mesenchymal stem cells and construction method thereof.
KR100818215B B1 20080401	Seoul Nat Univ Ind Foundation [KR]	KR	C12N 5/08	Method for preparing t-cell progenitor from cd34 positive stem cell.
KR100818214B B1 20080401	Seoul Nat Univ Ind Foundation [KR]	KR	C12N 5/08	Multipotent stem cell derived from amnion or decidua isolated from human term placenta and method for preparing the same.
WO2008060037 A1 20080522	Seoul Nat Univ Ind Foundation [KR]; Cho Jae-Jin [KR]	KR	C12N 5/08	Method for the simultaneous primary-isolation and expansion of endothelial stem/progenitor cell and mesenchymal stem cell derived from mammal including human umbilical cord.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008020666 A1 20080221	Seoul Nat Univ Ind Foundation [KR]; Lim Jeong Mook [KR]; Han Jae Yong [KR]; Kim Hee Bal [KR]; Lee Seoung Tae [KR]; Lee Eun Ju [KR]; Gong Seung Pyo [KR]	KR	C12N 5/08	Embryonic stem cell-like cells.
WO2008004819 A1 20080110	Seoul Nat Univ Ind Foundation [KR]; Rnl Bio Co Ltd [KR]; Kang Kyung Sun [KR]; Ra Jeong Chan [KR]	KR	A61K 35/36	Method for isolation of a hair follicle stem cell and a composition for hair reproduction.
JP2008114029 A 20080522	Serutesuko Medical Engineering	JP	A61L 27/00	Tissue bound type artificial bone by cell fusion.
WO2008050922 A1 20080502	Sewon Cellontech Co Ltd [KR]; Son Hyun-Mi [KR]; Chang Cheong-Ho [KR]; Jang Jae-Deog [KR]	KR	A61F 2/28	Medical kit and using method thereof.
CN101161249 A 20080416	Shengli Zhou [CN]	CN	A61K 35/50	Method for extracting original mesenchyma and hematopoiesis trunks/ancestral cell from caesarean birth placenta for treating medulla scathe.
US2008044847 A1 20080221	Shusta Eric V [US]; Weidenfeller Christian [DE]; Svendsen Clive N [US]	US	C12N5/04	Blood-brain barrier model.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008027017 A1 20080306	Singapore Health Services Pte [SG]; Xiao Zhi Cheng [SG]; Ma Quan-Hong [SG]; Li Shao [SG]; Dawe Gavin Stewart [SG]	US	A61K38/02	Modulation of neural activity and/or condition.
US2008003674 A1 20080103	Slukvin Igor I [US]; Thomson James A [US]; Vodyanyk Maksym A [US]; Gumenyuk Maryna E [US]	US	C12N 5/06	Erythroid cells producing adult-type beta-hemoglobin generated from human embryonic stem cells.
US2008138414 A1 20080612	Smith & Nephew Inc [US]	US	A61K 35/00	Methods of regenerating cartilage.
EP1917348 A2 20080507	Song Sun Uk [KR]	US	C12N 5/00	Isolation of multi-lineage stem cells.
CN101112391 A 20080130	Southern Medical University [CN]	CN	A61K 35/28	Application of hgf transgenic bone marrow stroma stem cell in the preparation of bone restoring stuff.
CN101108253 A 20080123	Southern Medical University [CN]	CN	A61K 48/00	Biological separation dose treating femoral head ischemic necrosis.
CN101134947 A 20080305	Southern Medical University Zh [CN]	CN	C12N 5/10	Method for preparing insulin secretory cell.
CN101139595 A 20080312	Southwest University [CN]	CN	C12N15/12	Cultivated silkworm piwi gene.
WO2008039694 A2 20080403	St Jude Childrens Res Hospital [US]; Chen Xiaohua [US]; Neale Geoffrey A M [US]; Handgretinger Rupert [US]	US	C12Q 1/68	Methods and compositions for monitoring t cell receptor diversity.
BRPI0513897 A 20080520	Stem Cell Innovations Inc [US]	US	C12N 5/06	Diferenciação de células-tronco.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008039389 A1 20080214	Stem Cell Therapeutics Corp [CA]	US	A61K 38/18	Dosing regimens for neural stem cell proliferating agents and differentiating agents for the treatment of neurological disorders.
WO2008060792 A2 20080522	Stem Cells Innovations [US]; Kelly David H [US]	US	C12N 5/08	Novel cells, compositions, and methods.
WO2008004598 A1 20080110	Stemcell Inst Inc [JP]; Yokoo Takashi [JP]; Okabe Masataka [JP]; Hosoya Tatsuo [JP]	JP	C12N 5/00	Erythropoietin-producing organoid precursor, method of constructing the same and method of treating erythropoietin-related disease.
ES2295012T T3 20080416	Stemcells California Inc	US	C12Q 1/00	Poblaciones enriquecidas de celulas del sistema nervioso central.
EP1900811 A1 20080319	Stemcells California Inc [US]	EP;US	C12N 5/06	Enriched central nervous system cell populations.
US2008008693 A1 20080110	Stemcyte Inc [US]	US	A61K35/18	Plasma-depleted, non-red blood cell-depleted cord blood compositions and methods of use.
EP1904093 A2 20080402	Stemgen S P A [IT]	US	A61K 38/18	Inhibition of the tumorigenic potential of tumor stem cells by lif and bmps.
WO2008030617 A2 20080313	Stemline Therapeutics Inc [US]; Cirrito Thomas P [US]; Bergstein Ivan [US]	US	A61K31/343	Cancer therapy with cantharidin and cantharidin analogs.
WO2008030538 A2 20080313	Stemline Therapeutics Inc [US]; Cirrito Thomas P [US]; Bergstein Ivan [US]	US	A61K 39/00	Cancer stem cell-targeted cancer therapy.
WO2008030616 A2 20080313	Stemline Therapeutics Inc [US]; Cirrito Thomas P [US]; Bergstein Ivan [US]	US	A61K 39/395	Monitoring cancer stem cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008075378 A2 20080626	Stempeutics Res Private Ltd [IN]; Totey Satish [IN]; Kulkarni Kumar Uday [IN]; Saxena Shobhit [IN]	IN	C12N 5/00	Xeno-free culture conditions for human embryonic stem cells and methods thereof.
WO2008075377 A2 20080626	Stempeutics Res Private Ltd [IN]; Totey Satish [IN]; Kulkarni Kumar Uday [IN]; Saxena Shobhit [IN]	IN	C12N 5/00	Germ lineage derived feeder cells and methods thereof.
WO2008026226 A2 20080306	Stempeutics Res Private Ltd [IN]; Totey Satish [IN]; Prasanna Jyothi [IN]	IN	C12N 5/00	Self-renewing master adult pluripotent stem cells.
KR20080051191 A 20080610	Stemron Inc [US]	US	C12N 5/06	Isolated homozygous stem cells differentiated cells derived therefrom and materials and methods for making and using same.
EP1908820 A1 20080409	Stichting Tech Wetenschapp [NL]; Vrije Universiteit Medisch Ct [NL]	EP	C12N 5/06	Stem cell and/or progenitor cell enrichment.
EP1913131 A2 20080423	Stiftung Caesar [DE]	EP	C12N 5/08	Method for isolating stem cells and stem cells derived from a pad-like tissue.
EP1910517 A2 20080416	Stiftung Caesar [DE]	EP;DE	C12N 5/08	Method for isolating stem cells from cryopreserved dental tissue.
EP1880003 A1 20080123	Stiftung Orthopaedische Univer [DE]	DE	C12N 5/06	Expansion medium for the in vitro cultivation of stem cells method for the multiplication of stem cells in vitro and use of the stem cells multiplied by said method.
US2008032402 A1 20080207	Stingl John [CA]; Eaves Connie J [CA]	US	C12N 5/00	Method for the discrimination and isolation of mammary epithelial stem and colony-forming cells.
US2008124306 A1 20080529	Sugaya Kiminobu [US]; Alvarez Angel [US]	US	A61K 31/497	Vigor enhancement via administration of pyrimidine derivatives.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008102521 A1 20080501	Sugaya Kiminobu [US]; Alvarez Angel [US]	US	C12N 5/06	Stem cell banking system.
US2008025953 A1 20080131	Sugaya Kiminobu [US]; Alvarez Angel [US]	US	A61K 35/30	Vigor enhancement of animals via administration of stem cells.
EP1892290 A1 20080227	Sumitomo Electric Industries [JP]	JP	C12N 5/06	Method of differentiation induction to osteoblasts.
WO2008055224 A2 20080508	Sun Dongming [US]; Young Wise [US]	US	C12N 5/06	Lithium stimulation of cord blood stem cell proliferation and growth factor production.
US2008044395 A1 20080221	Sungkwang Educational Foundati [KR]; Chabiotech Co Ltd [KR]	KR	A61K 48/00	In vitro method for isolating, proliferating and differentiating germ-line stem cells.
WO2008000918 A1 20080103	Suomen Punainen Risti Veripalv [FI]; Glykos Finland Oy [FI]; Laine Jarmo [FI]; Satomaa Tero [FI]; Natunen Jari [FI]; Heiskanen Annamari [FI]; Saarinen Juhani [FI]; Jaatinen Taina [FI]; Mikkola Milla [FI]; Natunen Suvi [FI]	FI	G01N 33/50	Novel cellular glycan compositions.
EP1889916 A1 20080220	Taiwan Advance Bio Pharm Inc [CN]	CN	C12N 15/63	A method for the production of the recombinant hoxb4 protein containing his tag at c-terminal and use thereof.
WO2008015682 A2 20080207	Technion Res & Dev Foundation [IL]; Amit Michal [IL]; Itskovitz- Eldor Joseph [IL]	US	C12N 5/06	Methods of expanding embryonic stem cells in a suspension culture.
US2008102506 A1 20080501	Teplyashin Alexander S [RU]	US; RU	C12N 5/08	Method for obtaining mesenchymal stem cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008058221 A1 20080306	Terskikh Alexey [US]; Bajpai Ruchi [US]	US	C40B30/06	Methods for culture and production of single cell populations of human embryonic stem cells.
JP2008000123 A 20080110	Tes Holdings Co Ltd	JP	C12N 5/06	Long-term preservation system for cultured sample for tissue/organ regeneration utilizing stem cell derived from mucous membrane in oral cavity.
WO2008073331 A2 20080619	Teva Pharma [IL]; Teva Pharma [US]; Ginis Irene [IL]; Schwartz Aharon [IL]; Shinar Doron [IL]; Shirvan Mitchell [IL]	US	C12N 5/06	Method of generation and expansion of tissue-progenitor cells and mature tissue cells from intact bone marrow or intact umbilical cord tissue.
WO2008034740 A1 20080327	Thankstem Srl [IT]; Gambacurta Alessandra [IT]; Poletti Marco [IT]	IT	C12N 5/06	Expansion method for adult stem cells from blood, particularly peripheral blood, and relative application in medical field.
CN101148657 A 20080326	Third Hospital Of Beijing Univ [CN]	CN	C12N 5/08	Construction for tissue engineering cartilage modified by transforming growth factor beta2 gene.
CN101186899 A 20080528	Tianjin Medical University [CN]	CN	C12N 5/06	Method applied for tumour cell and stem cell co-culture.
CN101156944 A 20080409	Tingxi Yu [CN]	CN	A61K 38/18	Cleavage liquid for preventing and curing nervus energy disease scathing nervus stem cell.
US2008058763 A1 20080306	Tissue Genesis Inc [US]	US	A61M 31/00	Catheter for cell delivery.
WO2008002329 A2 20080103	Tissuetech Inc [US]; Tseng Scheffer [US]; He Hua [US]; Li Wei [CN]; Chen Ying-Ting [US]; Hayashida Yasutaka [US]	US	C12N 5/02	Isolation and expansion of animal cells in cell cultures.
KR20080036594 A 20080428	Tobishi Pharmaceutical Co [JP]	JP	C12N9/64	Activating agent of stem cells and/or progenitor cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
JP2008061569 A 20080321	Toyo Boseki	JP	C12N 5/06	Method for culturing stem cell and medium therefore.
EP1920788 A1 20080514	Tredici Giovanni [IT]; Carini Fabrizio [IT]; Bandera Adriano [IT]; Baldoni Marco [IT]	EP	A61L27/24	Odontologic and osteogenic implants and scaffolds containing mesenchymal stem cells.
BRPI0512831 A 20080408	Trustees Of The University Of Illinois [US]	US	A61L27/18	Construção de tecido liso, método para preparação de uma construção de tecido liso, uso da construção de tecido liso, e composição.
US2008095815 A1 20080424	Trustees Of The University Of Illinois [US]	US	A61F 2/28	Hollow and porous orthopaedic or dental implant that delivers a biological agent.
EP1924685 A2 20080528	Univ Arizona [US]	US	C12N 5/08	Stem cell fusion model of carcinogenesis.
WO2008035169 A2 20080327	Uni Degli Studi Di Torino [IT]; Consiglio Nazionale Ricerche [IT]; Crema Annalisa [IT]; Haas Cristina [IT]; Sanchez Massimo [IT]; Lisi Antonella [IT]; Ponzetto Antonio [IT]; Brunetti Ercole [IT]; Marchese Rodolfo [IT]; Carloni Guido [IT]	IT	C12N 5/06	Process for preparing hepatic cells from progenitor cells present in umbilical cord blood.
EP1871869 A1 20080102	Univ Beijing [CN]	CN	C12N 5/00	Method of inducing embryonic stem cells into pancreatic cells.
US2008044387 A1 20080221	Univ California [US]	US	A61K 38/00	Artificial niches for enhancement of regenerative capacity of stem cells in aged and pathological environments.
CN101117643 A 20080206	Univ California [US]	US	C12Q 1/02	Use of islet 1 as a marker for isolating or generating stem cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008040027 A2 20080403	Univ California [US]; Li Ronald [US]; Siu David Cw [US]	US	C12N 5/00	Directed differentiation and maturation of stem cell-derived cardiomyocytes directed differentiation and maturation of stem cell-derived cardiomyocytes.
CN101147811 A 20080326	Univ Chongqing [CN]	CN	A61L27/54	Tissue engineering ligament recovering material and its preparation method.
WO2008008569 A2 20080117	Univ Colorado [US]; Brodsky Gary [US]	US	C12N 5/08	Prelamin a pre peptide as a universal stem cell differentiation signal.
US2008090765 A1 20080417	Univ Columbia [US]	US	A61K 38/17	Compositions for modulating growth of embryonic and adult kidney tissue and uses for treating kidney damage.
WO2008011133 A2 20080124	Univ Columbia [US]; Gaudette Glenn [US]; Cohen Ira S [US]; Potapova Irina [US]; Brink Peter R [US]; Robinson Richard B [US]; Rosen Michael R [US]	US	A61K 48/00	Compositions of late passage mesenchymal stem cells (mscs).
WO2008011134 A2 20080124	Univ Columbia [US]; Gaudette Glenn [US]; Potapova Irina [US]; Brink Peter R [US]; Cohen Ira S [US]; Robinson Richard B [US]; Rosen Michael R [US]	US	C12N 5/08	Use of late passage mesenchymal stem cells (mscs) for treatment of cardiac rhythm disorders.
WO2008024447 A2 20080228	Univ Columbia [US]; Mao Jeremy [US]	US	C12N 5/08	Differentiation of progenitor cells into fibroblasts
CN101104845 A 20080116	Univ Dalian Tech [CN]	CN	C12N 5/08	Use of protocatechuic acid in accelerating nerve stem cell multiplication in vitro and inducement differentiation.
CN101130745 A 20080227	Univ East China Science & Tech [CN]	CN	C12M 1/00	Bioreactor system for culturing hematopoiesis cell in vitro.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
EP1901063 A2 20080319	Univ Eberhard Karls [DE]	DE	G01N 33/50	Method for isolating and/or identifying mesenchymal stem cells (msc).
US2008026459 A1 20080131	Univ Edinburgh [GB]	US; GB	C12N 5/00	Isolation, selection and propagation of animal transgenic stem cells.
CN101124319 A 20080213	Univ Edinburgh [GB]	GB	C12N 5/06	Neural stem cells.
WO2008008854 A2 20080117	Univ Emory [US]; Liotta Dennis C [US]; Snyder James P [US]; Zhan Weiqiang [US]	US	C07C211/27	Cxcr4 antagonists including diazine and triazine structures for the treatment of medical disorders.
EP1877541 A2 20080116	Univ Erasmus Medical Ct [NL]	GB	C12N 5/06	Method of obtaining a population of human haemopoietic stem cells.
WO2008013985 A2 20080131	Univ Florida [US]; Kaushal Shalesh [US]; Grant Maria G [US]	US	A61K 31/395	Use of heat shock activators for tissue regeneration.
WO2008033393 A2 20080320	Univ Florida [US]; Scheffler Bjorn [CA]; Goetz Antje Katrin [US]; Steindler Dennis A [US]	US	C12N 5/08	Isolation, expansion and uses of tumor stem cells.
DE102006020444 A1 20080103	Univ Halle Wittenberg [DE]	DE	C12N 5/10	Transgenic mesenchymal stem cells stably expressing tumor necrosis factor-related apoptosis-inducing ligand, e.g. useful for treating tumors.
JP2008031043 A 20080214	Univ Hiroshima; Hiroshima Ind Promotion Organi	JP	C07K14/52	Chicken lif (leukemia inhibitory factor) protein and its use.
JP2008092919 A 20080424	Univ Hiroshima; Two Cells Co Ltd	JP	C12Q 1/68	Use of detective marker for morbid mesenchymal stem cell.
JP2008054621 A 20080313	Univ Hokkaido	JP	C12N 5/06	Method for preparing non-spheroidized stem cell.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008048671 A1 20080424	Univ Illinois [US]; Zhao Yong [US]; Mazzone Theodore [US]	US	C12N 5/08	Embryonic-like stem cells derived from adult human peripheral blood and methods of use.
KR20080023079 A 20080312	Univ Ind & Acad Collaboration [KR]	US	C12N 5/00	Method of inducing differentiation of stem cells.
KR20080023078 A 20080312	Univ Ind & Acad Collaboration [KR]	US	C12N 5/08	Methods for inducing differentiation from human embryonic stem cells to dopaminergic neurons by using vascular endothelial growth factor.
KR20080023081 A 20080312	Univ Ind & Acad Collaboration [KR]	US	C12N 5/08	Method for differentiation of pancreatic progenitor cells from human embryonic stem cells.
ES2294781T T3 20080401	Univ Indiana Res & Tech Corp; Univ Northwestern	US	C12N 15/09	Transferencia de adn mediada por virus mejorada.
WO2008061047 A2 20080522	Univ Jefferson [US]; Li Jongming [US]	US	G01N 33/53	Tissue specific gene therapy treatment.
CN101186901 A 20080528	Univ Jinan [CN]	CN	C12N 5/08	Method for inducing differentiation of human embryo mesenchymal stem cells into pancreatic islet beta-like cell.
CN101173249 A 20080507	Univ Jinan [CN]	CN	C12N 5/08	Method for inducing human fetal liver mesenchyma stem cell to pancreatic islet beta sample cell differentiation.
AU2002340542 A8 20080117	Univ Johns Hopkins	US	C12N 5/00	Method of making a homogeneous preparation of hematopoietic stem cells.
US2008153163 A1 20080626	Univ Johns Hopkins [US]	US	C12N 5/02	Compositions and methods for the expansion and differentiation of stem cells.
WO2008058273 A2 20080515	Univ Johns Hopkins [US]; Marban Eduardo [US]	US	C12N 5/08	Dedifferentiation of adult mammalian cardiomyocytes into cardiac stem cells.
WO2008013966 A2 20080131	Univ Johns Hopkins [US]; Zhang Ying [US]; Zhou Jiangbing [US]; Zhang Hao [US]	US	A61K31/47	Use of 8-quinolinol and its analogs to target cancer stem cells

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008040967 A1 20080410	Univ Keele [GB]; Spiteri Monica Silverstone [GB]; Watts Keira Louise [GB]	GB	A61K 45/00	Treatment of fibrosis.
UA81883 C2 20080211	Univ Kharkiv State Medical [UA]	UA	C12N 5/02	Nutrient medium for stem cells cultivation.
JP2008113634 A 20080522	Univ Kinki; Keari Co Ltd; Mie Univ	JP	A01K 67/027	Production system of offspring derived from one embryo and embryonic stem cell.
JP2008104401 A 20080508	Univ Kyoto	JP	C12N 5/06	In-vitro proliferation method of spermatogonial stem cell.
US2008060091 A1 20080306	Univ Kyoto [JP]	JP	A01K67/00	Method of gene introduction in in-vivo spermatogenic cell.
WO2008067115 A2 20080605	Univ Leland Stanford Junior [US]; Weissman Irving L [US]; Czechowicz Agnieszka [US]; Bhattacharya Deeptha [US]; Kraft Daniel [US]	US	A01N 63/00	Selective immunodepletion of endogenous stem cell niche for engraftment.
WO2008069122 A1 20080612	Univ Kyoto [JP]; Dainippon Sumitomo Pharma Co [JP]; Sumitomo Chemical Co [JP]; Toguchida Junya [JP]; Aoyama Tomoki [JP]; Hayashi Koji [JP]; Harada Hideyuki [JP]	JP	C12N 15/09	Marker for differentiation of mesenchymal stem cell into chondrocyte.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008073316 A2 20080619	Univ Leland Stanford Junior [US]; Weissman Irving L [US]; Hosen Naoki [US]	US	C12Q 1/00	Identification and isolation of acute myeloid leukemia stem cells.
EP1878438 A2 20080116	Univ Louisiana State [US]	EP;US	A01K 67/02	Ligand/Ilytic peptide compositions and methods of use.
WO2008008114 A2 20080117	Univ Louisiana State [US]; Tulane University [Us]; Bunnell Bruce A [US]; Gimble Jeffrey M [Us]; Lopez Mandi [US]	US	A61K 35/12	Use of adipose-derived stem cells for treatment of leukodystrophies.
US2008038233 A1 20080214	Univ Manchester [GB]	GB	A61K 35/00	Treatment of spinal conditions.
US2008075702 A1 20080327	Univ Massachusetts As Represen [US]	US	A61K 35/00	Gynogenetic or androgenetic production of pluripotent cells and cell lines, and use thereof to produce differentiated cells and tissues.
CA2579184 A1 20080412	Univ Mcgill [CA]	US	C12N 5/08	Augmenting stem cell populations by modulating t-cell protein tyrosine phosphatase (tc-ptp).
WO2008043181 A1 20080417	Univ Mcgill [CA]; Tremblay Michel L [CA]; Bourdeau Annie [CA]; Trop Sebastien [CA]	US; CA	C12N 5/06	Augmenting stem cell populations by modulating t-cell protein tyrosine phosphatase (tc-ptp).
AU2008200135 A1 20080131	Univ Michigan	AU	C12N 5/06	Isolation and use of solid tumor stem cells.
WO2008030610 A2 20080313	Univ Michigan [US]; Cibelli Jose Bernardo [US]; Kocabas Arif Murat [US]; Lim Bing [US]; Otu Hasan H [US]	US	A01K 67/027	Human transcriptome corresponding to human oocytes and use of said genes or the corresponding polypeptides to trans-differentiate somatic cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
CN101182493 A 20080521	Univ Nanjing [CN]	CN	C12N 5/10	Transgenic mesenchyma stem cell for curing radiation enteritis and method of producing the same.
KR100825367B B1 20080428	Univ Nat Chonnam Ind Found [KR]	KR	G01N 33/53	Method and kit for determining chimerism after stem cell transplantation using mitochondrial dna microsatellites as markers.
KR100836827B B1 20080610	Univ Nat Chonnam Ind Found [Kr]	KR	C12M 1/00	Cell culture dish for the embryoid body formation from embryonic stem cells.
WO2008018450 A1 20080214	Univ Nagoya Nat Univ Corp [JP]; Ozaki Takenori [JP]; Yasuda Kaoru [JP]; Maruyama Shouichi [JP]; Yamamoto Tokunori [JP]; Gotoh Momokazu [JP]; Matsuo Seiichi [JP]; Kitagawa Yasuo [JP]	JP	A61K 35/12	Cell preparation containing multipotential stem cells originating in fat tissue.
WO2008003042 A2 20080103	Univ New Jersey Med [US]; Woodbury Dale [US]; Marcus Akiva J [US]	US	C12N 5/08	Amnion-derived stem cells and uses thereof.
US2008089868 A1 20080417	Univ New York [US]	US	A61K 35/12	Retinal stem cell compositions and methods for preparing and using same.
GB2441530 A 20080312	Univ Newcastle [GB]	GB	C12N 5/06	Stems cells.
WO2008026634 A1 20080306	Univ Osaka [JP]; Univ Hiroshima [JP]; Hamada Yoshinosuke; Matsuura Nariaki; Egusa Hiroshi; Kaneda Yoshitoshi; Okazaki Masayuki	JP	A61L 27/00	Mesenchymal cell proliferation stimulator and skeletal system biomaterial
CN101126080 A 20080220	Univ Pla 2nd Military Medical [CN]	CN	C12N 5/08	Bone marrow embryo source multipotential stem cell and preparation method thereof.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
CN101134118 A 20080305	Univ Pla 2nd Military Medical [CN]	CN	A61L 27/36	Method of producing organization engineered cartilage with inner support
WO2008066658 A2 20080605	Univ Princeton [US]; Weiss Ron [US]; Ihor Lemischka [US]; Purnick Priscilla [US]; Schaniel Christoph [US]; Miller Miles [US]	US	A61K 48/00	Engineered cellular pathways for programmed autoregulation of differentiation.
WO2008073748 A1 20080619	Univ Rochester [US]; Calvi Laura Maria [US]; O'keefe Regis [US]	US	C12N 5/06	Expansion of hematopoietic stem cells.
WO2008029290 A2 20080313	Univ Salamanca [ES]; Consejo Superior Investigacion [ES]; Sanchez-Garcia Isidro [ES]; Perez-Caro Maria [ES]	EP	C12Q 1/68	Identification of cancer stem cells using genetic markers.
CN101185651 A 20080528	Univ Shandong [CN]	CN	A61K 31/536	Application of 2,3-dihydrogen-3-hydroxymethyl-6-amino-[1,4]-benzoxazin in preparing medicine.
CN101096654 A 20080102	Univ Shanghai Jiaotong [CN]	CN	C12N 5/08	Method for proliferating human hemapoietic stem cell and progenitor cell by gst-hdsl recombinant protein.
WO2008007082 A2 20080117	Univ Sheffield [GB]; Furue Miho [GB]; Andrews Peter [GB]; Okamoto Tetsuji [JP]; Sato Denry J [JP]	GB	C12N 5/00	Cell growth medium
CN101186605 A 20080528	Univ South China Tech [CN]	CN	C07D 401/06	2-vinyl-8-hydroxyquinoline derivative, preparation method and application thereof
CA2568663 A1 20080522	Univ Technologies Inc [CA]	CA	C12N 5/06	Methods and materials for culturing murine embryonic stem cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
WO2008055361 A1 20080515	Univ Toronto [CA]; Stanford William L [CA]; Walker Emily [CA]; Cassar Paul A [CA]	US	C12N 15/52	ubiquitin ligase mkrnl as a marker for mammalian stem cell pluripotency and methods and uses thereof.
WO2008057481 A1 20080515	Univ Utah [US]; Bull David A [US]; Connors Rafe C [US]; Erickson Harold M [US]; Yockman James [US]; Kim Sung Wan [US]	US	A61M 1/10	Ventricular assist device capable of implantation of stem cells.
EP1909581 A2 20080416	Univ Virginia [US]	US	A01N 45/00	Adipose tissue stem cells, perivascular cells and pericytes.
WO2008071987 A1 20080619	Univ York [GB]; Lang Shona [GB]	GB	C12N 5/06	Prostate stem cell model.
WO2008002662 A2 20080103	Univeristy Of Kansas [US]; Mitchell Kathy E [US]; Hoynowski Steven M [US]	US	C12N 5/06	Differentiation of stem cells from umbilical cord matrix into hepatocyte lineage cells.
US2008027413 A1 20080131	Universitätsklinikum Hamburg E [DE]	US	A61M 31/00	Blood products from mesenchymal stem cells.
US2008095743 A1 20080424	Us Government [US]	US	A61K 48/00	Monoclonal antibody that specifically binds stem cells and its use.
EP1880002 A2 20080123	Us Health [US]; Univ Utah Res Found [US]	US	C12N 5/00	Therapy of kidney diseases and multiorgan failure with mesenchymal stem cells and mesenchymal stem cell conditioned media.
US2008051431 A1 20080228	Verhelle Dominique [US]; Chan Kyle [US]; Corral Laura [US]; Moutouh De Parseval Laure [US]; Brady Helen [US]	US	A61K 31/445	Methods and compositions using immunomodulatory compounds in combination therapy.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
EP1888741 A2 20080220	Viacell Inc [US]	US	C12N 5/00	Treatment of ischemia using stem cells.
WO2008033874 A2 20080320	Vidacare Corp [US]; Miller Larry J [US]; Titkemeyer Robert W [US]; Bolleter David S [US]; Kilcoin Christopher Brian [US]	US	A61M 31/00	Bone marrow aspiration devices and related methods.
WO2008033871 A2 20080320	Vidacare Corp [US]; Miller Larry J [US]; Titkemeyer Robert W [US]; Bolleter David S [US]; Kilcoin Christopher Brian [US]; Harmon Matthew T [US]; Craig Bradford Hughes [US]	US	A61B 17/16	Apparatus and methods for biopsy and aspiration of bone marrow.
EP1874918 A1 20080109	Vivalis [FR]	FR;US	C12N 5/06	Process of manufacturing viral vaccines in suspension avian embryonic derived stem cell lines.
CN101194012 A 20080604	Vivalis [FR]	FR	C12N 5/06	Process of manufacturing viral vaccines in suspension avian embryonic derived stem cell lines.
WO2008017704 A1 20080214	Vivalis [FR]; Valarche Isabelle [FR]; Batard Luc [FR]; Mehtali Majid [FR]	US	C12N 5/06	Method of production of transgenic avian using embryonic stem cells.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
UA32522U U 20080526	Voronko Andrii Anatoliiovych [UA]; Tymofeev Mykola Ivanovych [UA]; Sorokopud Ivan Oleksandrovyh [UA]; Maliovanyi Viktor Oleksandrovy [UA]	UA	A61C 13/08	Method for tooth regeneration.
WO2008071074 A1 20080619	Wang Songling [CN]; Shi Songtao [US]; Xu Yan [US]	CN	A61L 27/00	The use of mesenchymal stem cells and the separating and preserving method of stem cells from human tissues.
HK1071517 A1 20080206	Wellstat Therapeutics Corp [Us]	US; HK	A61K; A61P	Inhibitor of stem cell proliferation and uses thereof.
HK1006642 A1 20080314	Wellstat Therapeutics Corp [Us]	US	A61K 45/00	Inhibitor of stem cell proliferation and uses thereof.
EP1897553 A1 20080312	Wellstat Therapeutics Corp [Us]	EP;US	A61K 45/00	Inhibitor of stem cell proliferation and uses thereof.
US2008070303 A1 20080320	West Michael D [US]; Sargent Geoffrey [US]; Murai James T [US]; Kessler Steven [US]; Chapman Karen [US]	US	C12N 5/02	Methods to accelerate the isolation of novel cell strains from pluripotent stem cells and cells obtained thereby.
EP1899457 A2 20080319	Whitehead Biomedical Inst [US]	US	C12N 5/06	Methods for expansion and analysis of cultured hematopoietic stem cells
NZ535243 A 20080530	Wicell Res Inst Inc	US	C12Q 1/02	Method for generating primate trophoblasts.
US2008069805 A1 20080320	Williams Bruce M [US]	US	A61K 35/12	Use of stem cells to cure genetic diseases in humans cure for sickle cell anemia.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
US2008112937 A1 20080515	Williams Lewis T [US]; Zhang Hongbing [US]; Kothakota Srinivas [US]; Pierce Kristen [US]; Beaurang Pierre Alvaro [US]; Chu Keting [US]	US	A61K 48/00	Method of producing autologous embryonic stem cells.
NZ532170 A 20080530	Wisconsin Alumni Res Found	US	A61L 27/00	Endothelial cells derived from primate embryonic stem cells.
BRPI0514778 A 20080624	Wisconsin Alumni Res Found [US]	US	C12N 5/00	Meio e cultivo das células tronco embrionária.
BRPI0514641 A 20080617	Wisconsin Alumni Res Found [US]	US	C12N 5/08	Cultivação das células tronco embrionária humana.
GB2440494 A 20080130	Wisconsin Alumni Res Found [Us]	US	C12N 5/06	Method of forming dendritic from embryonic stem cells.
WO2008042640 A1 20080410	Wisconsin Alumni Res Found [US]; Murphy Christopher J [US]; Nealey Paul F [US]; Mcfarlin Daniel R [US]; Liliensiek Sara J [US]; Mckie George A [US]	US	C12N 5/00	The use of topographic cues to modulate stem cell behaviors.
US2008075700 A1 20080327	Wolf David A [US]; Rudd Donnie [US]	US	A61K 35/00	Method and composition for treating diabetes.
US2008075704 A1 20080327	Wolf David A [US]; Rudd Donnie [US]	US	A01N 1/02	Method of providing readily available cellular material derived from peripheral blood, and a composition thereof.
CN101144069 A 20080319	Xiancheng Huang [CN]	CN	C12N 5/08	Method for culturing mesenchyme stem cell from oral cavity tissue.

Nº DO PEDIDO	DEPOSITANTE	PR	CIP	TÍTULO
CN101173248 A 20080507	Xinxin Ye [CN]	CN	C12N 5/06	Method for eimplantation production of heterogeneity animal stem cell for heterogeneity stem cell animal foetus inside womb.
CN101143102 A 20080319	Xinxin Ye [CN]	CN	A61B 17/00	Method for producing heterogeneous animal stem cell with heterogeneous stem cell in animal uterus fetus transplant.
US2008085322 A1 20080410	Xu Rongxiang [US]	US	A61K 35/12	Methods and compositions for activating regenerative stem cells from bone marrow.
WO2008026198 A2 20080306	Yeda Res & Dev [IL]; Revel Michel [II]; Chebat Judith [IL]; Izrael Michal [IL]; Kaufman Rosalia [IL]	US	C12N 5/08	Methods of generating glial and neuronal cells and use of same for the treatment of medical conditions of the cns.
US2008025957 A1 20080131	Yeda Res And Dev Co Ltd P O Bo [IL]	IL	A61K 35/28	Stem cells suitable for transplantation, their preparation and pharmaceutical compositions comprising them.
US2008112936 A1 20080515	Yissum Res Dev Co [IL]	US	A61K 35/12	Methods of implanting mesenchymal stem cells for tissue repair and formation.
EP1917968 A1 20080507	Zech Herbert [At]	US	A61K 35/28	Methods and composition for complementing treatments to eradicate neoplastic cells.
CN101172140 A 20080507	Zhen Ao Group Co Ltd [Cn]	CN	A61K 36/87	Nutritive composition for accelerating hemopoietic stem cell proliferation and hemoglobin synthesis.
US2008033548 A1 20080207	Zimmer Inc [Us]	US	A61F 2/02	Bone tissue engineering by ex vivo stem cells ongrowth into three-dimensional trabecular metal.

ANEXO I - Códigos dos 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/03-03-01.pdf>, acesso: março 2008

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

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