

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT3381171

SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
CONVEYING PARTY DATA		
Name		Execution Date
GENZYME CORPORATION		05/30/2014
RECEIVING PARTY DATA		
Name:	AASTROM BIOSCIENCES, INC.	
Street Address:	DOMINO'S FARMS, LOBBY K	
Internal Address:	24 FRANK LLOYD WRIGHT DRIVE	
City:	ANN ARBOR	
State/Country:	MICHIGAN	
Postal Code:	48105	
PROPERTY NUMBERS Total: 16		
Property Type	Number	
Application Number:	13258054	
Patent Number:	5759190	
Patent Number:	7137989	
Patent Number:	8029992	
Patent Number:	6283980	
Patent Number:	6379367	
Patent Number:	6592598	
Patent Number:	6599300	
Patent Number:	6592599	
Patent Number:	6599301	
Patent Number:	7048750	
Patent Number:	5989269	
Patent Number:	6120514	
Patent Number:	6569172	
Patent Number:	6623963	
Patent Number:	6150163	
CORRESPONDENCE DATA		
Fax Number:	(202)842-7899	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>		
PATENT		

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: 617-937-2300
Email: ddoyle@cooley.com
Correspondent Name: COOLEY LLP
Address Line 1: 1299 PENNSYLVANIA AVENUE NW, SUITE 700
Address Line 4: WASHINGTON, D.C. 20004

ATTORNEY DOCKET NUMBER:	010255
NAME OF SUBMITTER:	CYNTHIA A. KOZAKIEWICZ
SIGNATURE:	/Cynthia Kozakiewicz/
DATE SIGNED:	06/03/2015

Total Attachments: 12

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PATENT ASSIGNMENT AGREEMENT

THIS PATENT ASSIGNMENT AGREEMENT is dated as of May 30, 2014 (“Effective Date”), and is made from Genzyme Corporation, a Massachusetts corporation, (“Assignor”), to Aastrom Biosciences, Inc., a Michigan corporation (“Assignee”).

WHEREAS, the Assignor is the owner of those certain patent registrations and patent applications set forth in the attached Schedule A (the “Patents”); and

WHEREAS, pursuant to the Asset Purchase Agreement dated April 19, 2014, between Assignor and Assignee (the “Purchase Agreement”), Assignee wishes to acquire from the Assignor, and the Assignor wishes to transfer to Assignee, all of the Assignor’s right, title and interest in and to the Patents.

NOW, THEREFOR, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties agree as follows:

1. Assignment of Rights. Effective upon the Effective Date, the Assignor hereby assigns, transfers, conveys and delivers to Assignee all of its right, title and interest in, to and under (a) the Patents, (b) Patent applications, (c) the inventions therein described and claimed to Assignor to the full end of the term for which Letters Patent may be granted, (d) any and all continuations, continuations in part, divisionals, re-issuances, substitutions, extensions, re-examinations, and renewals of the Patents, (e) any and all substitutes for the Letters Patent for the inventions as described and claimed in the Patents and any of the foregoing, (f) any and all priority rights derived from the Patents, and (g) any and all rights, privileges and proceeds under the Patents, including, without limitation, any claims against third parties for past, present or future infringement of the Patents and any and all patents issuing based on the Patents, and hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent when granted to Assignee as the assignee of the entire right, title and interest in, to and under the same.

2. Recordation. Effective upon the Effective Date, the Assignee shall be responsible for and shall pay all costs relating to the registration, maintenance and prosecution of the Patents, including payment of any associated fees therefor, for the notarization, authentication, legalization and/or consularization of the signatures hereof, and for the recording of such assignment documents with the appropriate governmental authorities. As soon as possible after the Effective Date, the Assignee shall provide draft assignment documents by country, at the Assignee’s expense, for approval and execution by the Assignor.

3. No Alteration. Each of the Assignor and the Assignee hereby acknowledges and agrees that none of the representations, warranties, covenants, rights or remedies of any party under the Purchase Agreement shall be deemed to be enlarged, modified or altered in any way by the execution and acceptance of this instrument.

4. Further Assurances. Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary to effect or formalize the transfer of the Patents.

5. General. This Patent Assignment Agreement will be binding upon and inure to the benefit of the parties and their respective successors and assigns, but will not run to the benefit of or be enforceable by any other person. This Patent Assignment Agreement may be executed in one or more counterparts, each of which shall be deemed an original and binding as of the date first written above, and, when delivered, all of which shall constitute one and the same instrument. This Patent Assignment Agreement will be governed by the laws of the State of New York, without regard to its conflict of laws principles.

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IN WITNESS WHEREOF, the parties have executed, made and entered into this Patent Assignment Agreement as of the date first set forth above.

GENZYME CORPORATION

By: [Signature]
Name: Steve Couldwell
Title: Attorney-in-Fact

AASTROM BIOSCIENCES, INC.

By: _____
Name: _____
Title: _____

Supra [city/county] Massachusetts, ss.

On this 30th day of May, 2014, before me, the undersigned notary public,
Day Month

personally appeared STEVE COULDWELL,
Name (s) of Signer(s)

proved to me through satisfactory evidence of identification, which
was/were Drivers License,
[Description of Evidence of Identity]

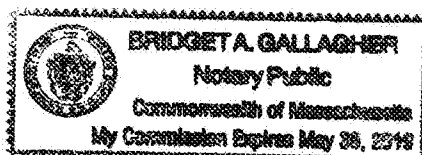
to be the person(s) whose name(s) is/are signed on the preceding or attached document, and
acknowledged to me that he/she/they signed it voluntarily for its stated purpose.

as Attorney-in-Fact for
Title of Office

GENZYME CORPORATION

[Signature]
Signature of Notary Public

Place Notary Seal and/or Stamp above

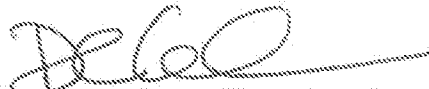


IN WITNESS WHEREOF, the parties have executed, made and entered into this Patent Assignment Agreement as of the date first set forth above.

GENZYME CORPORATION

By: _____
Name: Steve Couldwell
Title: Attorney-in-Fact

AASTROM BIOSCIENCES, INC.

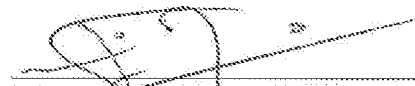
By: 
Name: Dominick C. Colangelo
Title: President and CEO

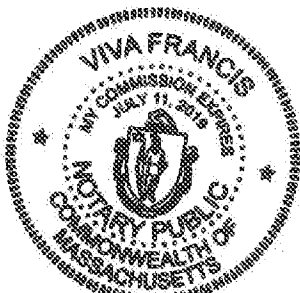
Suffolk County, ss.

On this 29th day of May, 2014, before me, the undersigned notary public, personally appeared Dominick C. Colangelo, proved to me through satisfactory evidence of identification, which was Massachusetts Driver's License to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

as PATENT ATTORNEY for
Title of Office

AASTROM BIOSCIENCES, INC.


Signature of Notary Public



Place Notary Seal and/or Stamp above

Schedule A

1. Prolonged Delivery of Heparin-Binding Growth Factors from Heparin-Derivatized Collagen (Family Reference 5421)

Country (5421)	Application Number	Filing Date	Grant Number	Grant Date
United States	13/762,225	07 Feb 2013		
United States	12/248,307	09 Oct 2008		
United States	60/998,118	09 Oct 2007		

2. Cartilage Repair (Family Reference 5611)

Family Number	Application Number	Filing Date	Grant Number	Grant Date
Argentina	2010010310	23 Mar 2010		
Australia	2010228971	22 Mar 2010		
Brazil	PI1012278-8	22 Mar 2010		
Canada	2755974	22 Mar 2010		
China	201080016391.6	22 Mar 2010		
EP	10710520.7	22 Mar 2010		
Hong Kong	12103553.9	11 Apr 2012		
Israel	215335	22 Mar 2010	215335	30 Nov 2013
India	3810/KOLNP/2011	22 Mar 2010		
Japan	2012-502138	22 Mar 2010		
South Korea	10-2011-7024873	22 Mar 2010		
Mexico	MX/a/2011/009855	22 Mar 2010		
Malaysia	PI2011004490	22 Mar 2010		
Singapore	201106831-9	22 Mar 2010		
United States	13/258,054	30 Nov 2011		
United States	61/162,447	23 Mar 2009		
Patent Cooperation Treaty	PCT/US2010/028086	22 Mar 2010		

3. Method, Instruments and Kit for Autologous Chondrocyte Cell Transplantation (Family Reference 5153)

Country (5153)	Application Number	Filing Date	Patent Number	Grant Date
Australia	53994/01	21 Jun 2001	775219	09 Jun 2004
Australia	29302/02	28 Mar 2002	778308	17 Mar 2005
Australia	29304/02	28 Mar 2002	781216	25 Aug 2005
Australia	29301/02	28 Mar 2002	781214	25 Aug 2005
Australia	2004202477	03 Jun 2004		
Australia	2007234527	16 Nov 2007		
Australia	41710/97	29 Aug 1997	731162	20 Sep 2001

Country (5153)	Application Number	Filing Date	Patent Number	Grant Date
Australia	2002334852	03 Oct 2002	2002334852	22 Nov 2007
Australia	2002334852	03 Oct 2002	Sealed	
Australia	56222/99	16 Aug 1999	771701	
Australia	2004202874	16 Aug 1999		
Austria	01126359.7	07 Nov 2001	E256443	26 Jul 2004
Austria	03023272.2	13 Nov 2003	1384452	15 Apr 2009
Austria	97939677.7	29 Aug 1997	E263524	07 Apr 2004
Belgium	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Belgium	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Brazil	PI9715231-5	29 Aug 1997		
Brazil	PI9912913-2	16 Aug 1999		
Brazil	PI 0213114-5	03 Oct 2002		
Canada	2419644	29 Aug 1997	2419644	13 Oct 2009
Canada	2264138	29 Aug 1997	2264138	27 May 2003
Canada	2462306	03 Oct 2002		
China	03155328.1	29 Aug 1997		
China	97199207.X	29 Aug 1997	207378	11 May 2005
China	02824025.1	03 Oct 2002		
Czechoslovakia	PV1999-587	29 Aug 1997	297 248	04 Sep 2006
Denmark	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Denmark	03023272.2	13 Nov 2003	1384452	15 Apr 2009
Denmark	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Denmark	BA200200178	29 Aug 1997		
Denmark	BA200200177	29 Aug 1997		
Denmark	02800483.6	03 Oct 2002	1437969	02 Mar 2011
EP	01126359.7	07 Nov 2001	1181908	17 Dec 2003
EP	03023272.2	13 Nov 2003	1384452	15 Apr 2009
EP	04008116.8	30 Apr 2004		
EP	97939677.7	29 Aug 1997	1006950	07 Apr 2004
EP	02800483.6	03 Oct 2002	1437969	02 Mar 2011
Finland	01126359.7	07 Nov 2001	1181908	
Finland	97939677.7	29 Aug 1997	1006950	07 Apr 2004
France	01126359.7	07 Nov 2001	1181908	17 Dec 2003
France	03023272.2	13 Nov 2003	1384452	15 Apr 2009
France	97939677.7	29 Aug 1997	1006950	07 Apr 2004
France	02800483.6	03 Oct 2002	1437969	02 Mar 2011
Germany	69726896.9	07 Nov 2001	69726896	26 Jul 2004
Germany	03023272.2	13 Nov 2003	1384452	15 Apr 2009
Germany	69728569.3	29 Aug 1997	69728569	07 Apr 2004
Germany	02800483.6	03 Oct 2002	60239351.5-08	02 Mar 2011
Germany	29724585.6	29 Aug 1997	29724585.6	16 May 2002
Greece	01126359.7	07 Nov 2001	1181908	
Greece	03023272.2	13 Nov 2003	1384452	15 Apr 2009
Greece	97939677.7	29 Aug 1997	1006950	07 Apr 2004

Country (5153)	Application Number	Filing Date	Patent Number	Grant Date
Hong Kong	04105480.2	23 Jul 2004	1063003	30 Oct 2009
Hong Kong	05102496.0	22 Mar 2005		
Hong Kong	00104418.6	19 Jul 2000	1025035B	02 Sep 2005
Hong Kong	04106893.1	03 Oct 2002	1064021	26 Aug 2011
Hungary	P0400358	29 Aug 1997	225952	06 Dec 2007
Hungary	P0400359	29 Aug 1997		
Hungary	P0400360	29 Aug 1997		
Hungary	P0002980	29 Aug 1997		
Ireland	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Ireland	03023272.2	13 Nov 2003	1384452	15 Apr 2009
Ireland	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Ireland	02800483.6	03 Oct 2002	1437969	02 Mar 2011
Israel	128580	29 Aug 1997	128580	21 Dec 2007
Israel	161152	03 Oct 2002		
Italy	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Italy	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Japan	2002-316043	29 Aug 1997		
Japan	2007-155993	13 Jun 2007		
Japan	10-511967	29 Aug 1997		
Japan	2003-531890	03 Oct 2002		
Latvia	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Lithuania	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Luxembourg	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Luxembourg	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Mexico	PA/a/2002/012898	23 Feb 1999	242319	29 Nov 2006
Mexico	991794	29 Aug 1997	238116	26 Jun 2006
Mexico	PA/a/2004/003177	03 Oct 2002	283696	04 Feb 2011
Monaco	01126359.7	07 Nov 2001	1181908	17 Dec 2003
the Netherlands	01126359.7	07 Nov 2001	1181908	17 Dec 2003
the Netherlands	03023272.2	13 Nov 2003	1384452	15 Apr 2009
the Netherlands	97939677.7	29 Aug 1997	1006950	07 Apr 2004
the Netherlands	02800483.6	03 Oct 2002	1437969	02 Mar 2011
New Zealand	508145	29 Aug 1997	508145	04 Nov 2002
New Zealand	518474	29 Aug 1997	518474	05 Jan 2004
New Zealand	527242	29 Jul 2003		
New Zealand	335500	29 Aug 1997	334400	10 May 2001
New Zealand	532026	03 Oct 2002		
Norway	19990933	29 Aug 1997		
Norway	2004 1381	03 Oct 2002		
Poland	P-359115	29 Aug 1997		
Poland	P-331834	29 Aug 1997		
Poland	P-368351	03 Oct 2002	210783	20 Apr 2011
Portugal	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Portugal	03023272.2	13 Nov 2003	1384452	15 Apr 2009

Country (5153)	Application Number	Filing Date	Patent Number	Grant Date
Portugal	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Romania	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Russia	2002103570	08 Feb 2002		
Russia	99106519	29 Aug 1997	2214197	20 Oct 2003
Russia	2004113440	03 Oct 2002		
Singapore	200101255-8	29 Aug 1997		
Singapore	9900699-1	29 Aug 1997	0063997	30 Apr 2004
Singapore	200101256-6	29 Aug 1997		
Slovakia	PV0240-99S	29 Aug 1997	285075	28 Mar 2006
Slovenia	03023272.2	13 Nov 2003	1384452	15 Apr 2009
Slovenia	97939677.7	29 Aug 1997	1006950	07 Apr 2004
South Korea	2002-7011281	28 Aug 2002		
South Korea	1999-7001597	26 Feb 1999	686412	15 Feb 2007
Spain	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Spain	03023272.2	13 Nov 2003	1384452	15 Apr 2009
Spain	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Sweden	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Sweden	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Switzerland	01126359.7	07 Nov 2001	1181908	17 Dec 2003
Switzerland	03023272.2	13 Nov 2003	1384452	15 Apr 2009
Switzerland	97939677.7	29 Aug 1997	1006950	07 Apr 2004
Switzerland	02800483.6	03 Oct 2002	1437969	02 Mar 2011
Turkey	01/2871	29 Aug 1997		
Turkey	01/2883	29 Aug 1997		
Turkey	03/134	29 Aug 1997		
Turkey	99/437	29 Aug 1997	199900437B	22 Sep 2003
Ukraine	99021152	29 Aug 1997		
United Kingdom	01126359.7	07 Nov 2001	1181908	17 Dec 2003
United Kingdom	03023272.2	13 Nov 2003	1384452	15 Apr 2009
United Kingdom	97939677.7	29 Aug 1997	1006950	07 Apr 2004
United Kingdom	02800483.6	03 Oct 2002	1437969	02 Mar 2011
United States	08/857090	15 May 1997	5989269	23 Nov 1999
United States	09/088142	01 Jun 1998	6120514	19 Sep 2000
United States	09/970323	03 Oct 2001	6569172	27 May 2003
United States	09/320246	26 May 1999	6283980	04 Sep 2001
United States	09/690252	17 Oct 2000	6379367	30 Apr 2002
United States	10/055105	23 Jan 2002	6592598	15 Jul 2003
United States	10/091006	04 Mar 2002	6599300	29 Jul 2003
United States	10/090922	06 Mar 2002	6592599	15 Jul 2003
United States	10/093129	06 Mar 2002	6599301	29 Jul 2003
United States	10/397404	26 Mar 2003	7137989	21 Nov 2006
United States	10/444391	23 May 2003	7048750	23 May 2006
United States	11/375183	14 Mar 2006		
United States	11/375180	14 Mar 2006		

Country (5153)	Application Number	Filing Date	Patent Number	Grant Date
United States	08/704891	30 Aug 1996	5759190	02 Jun 1998
Patent Cooperation Treaty	PCT/US1997/015258	29 Aug 1997		
Patent Cooperation Treaty	PCT/US2002/031765	03 Oct 2002		

4. Cellular Matrix (Family Reference 5156)

Country (5156)	Application Number	Filing Date	Patent Number	Grant Date
EP	00983434.2	19 Dec 2000	1255577	08 Mar 2006
France	00983434.2	19 Dec 2000	1255577	08 Mar 2006
Germany	00983434.2	19 Dec 2000	60026586.2-08	08 Mar 2006
Lichtenstein	00983434.2	19 Dec 2000	1255577	08 Mar 2006
the Netherlands	00983434.2	19 Dec 2000	1255577	08 Mar 2006
Switzerland	00983434.2	19 Dec 2000	1255577	08 Mar 2006
United Kingdom	00983434.2	19 Dec 2000	1255577	08 Mar 2006
United States	09/467359	20 Dec 1999	6623963	23 Sep 2003
Patent Cooperation Treaty	PCT/IB2000/001911	19 Dec 2000		

5. Method for Preparing a Cartilage Cell Suspension (Family Reference 5158)

Country (5158)	Application Number	Filing Date	Grant Number	Grant Date
EP	99931242.4	02 Jul 1999		
Germany	19835368.5	05 Aug 1998	19835368.5	10 Feb 2000
Hong Kong	01108246.4	02 Jul 1999		
Japan	2000-563757	02 Jul 1999		
United States	09/762,344	16 Apr 2001		
Patent Cooperation Treaty	PCT/EP1999/004600	02 Jul 1999		

6. Autologous Cells on a Support Matrix for Tissue Repair (Family Reference 5163)

Country (5163)	Application Number	Filing Date	Grant Number	Grant Date
Australia	2009212946	04 Sep 2009	2009212946	07 Nov 2013
Australia	2003270289	29 Sep 2003		
Canada	2500179	29 Sep 2003		
EP	03750654.0	29 Sep 2003		
Japan	2008-132412	29 Sep 2003		
Japan	2004-539047	29 Sep 2003		
United States	11/801,852	10 May 2007		
United States	13/179,070	08 Jul 2011		
United States	14/140,006	24 Dec 2013		
United States	10/672,947	26 Sep 2003		
United States	60/414,098	27 Sep 2002		
Patent Cooperation Treaty	PCT/EP2003/010796	29 Sep 2003		

7. Serum-Free Media and Their Uses for Chondrocyte Expansion (Family Reference 5314)

Country (5314)	Application Number	Filing Date	Grant Number	Grant Date
Australia	2007261530	15 Jun 2007		
Brazil	P10713572-6	15 Jun 2007		
China	200780027449.5	15 Jun 2007	ZL200780027449.5	16 Jan 2013
EP	07809587.4	15 Jun 2007		
Hong Kong	09108286.7	15 Jun 2007		
India	209/KOLNP/2009	15 Jun 2007		
Israel	196025	15 Jun 2007		
Japan	2009-516524	15 Jun 2007		
Mexico	MX/a/2008/016429	15 Jun 2007		
Mexico	MX/a/2014/004355	10 Apr 2014		
United States	13/401,037	21 Feb 2012		
United States	13/864,149	16 Apr 2013		
United States	11/763,587	15 Jun 2007		
United States	60/805,307	20 Jun 2006		
Patent Cooperation Treaty	PCT/US2007/014075	15 Jun 2007		

8. Method of Evaluating Cells and Cell Cultures (Family Reference 5379)

Family Number (5379)	Application Number	Filing Date	Grant Number	Grant Date
Argentina	P080101409	04 Apr 2008		
Austria	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Australia	2008237332	03 Apr 2008		
Belgium	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Brazil	PI0809902-2	03 Apr 2008		
Canada	2682948	03 Apr 2008		
Switzerland	08733105.4	03 Apr 2008	2132562	11 Jan 2012
China	200880017437.9	03 Apr 2008	ZL200880017437.9	24 Apr 2013
Czechoslovakia	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Germany	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Denmark	08733105.4	03 Apr 2008	2132562	11 Jan 2012
EP	11188198.3	08 Nov 2011		
EP	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Spain	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Finland	08733105.4	03 Apr 2008	2132562	11 Jan 2012
France	08733105.4	03 Apr 2008	2132562	11 Jan 2012
United Kingdom	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Greece	08733105.4	03 Apr 2008	2132562	11 Jan 2012

Family Number (5379)	Application Number	Filing Date	Grant Number	Grant Date
Hong Kong	10104475.4	11 Jun 2012	HK1138374	28 Sep 2012
Hong Kong	12109497.5	26 Sep 2012		
Croatia	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Hungary	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Ireland	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Israel	201225	03 Apr 2008	201225	01 Apr 2013
India	3617/KOLNP/2009	03 Apr 2008		
Italy	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Japan	2013-206530	01 Oct 2013		
Japan	2010-502294	03 Apr 2008	5383654	11 Oct 2013
South Korea	10-2009-7020856	03 Apr 2008		
Lithuania	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Latvia	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Mexico	MX/a/2009/010694	03 Apr 2008	298076	11 Apr 2012
Malaysia	PI 20094111	03 Apr 2008		
the Netherlands	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Norway	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Poland	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Portugal	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Sweden	08733105.4	03 Apr 2008	2132562	11 Jan 2012
Singapore	200906560-8	03 Apr 2008	155746	30 Apr 2012
Slovenia	08733105.4	03 Apr 2008	2132562	11 Jan 2012
United States	13/213,617	19 Aug 2011		
United States	13/584,507	13 Aug 2012		
United States	12/098,033	04 Apr 2008	8,029,992	04 Oct 2011
United States	60/910,574	06 Apr 2007		
Patent Cooperation Treaty	PCT/US2008/05927 5	03 Apr 2008		

9. Methods of Measuring Cell Viability in Tissue Engineered Products (Family Reference 5432)

Family Number (5432)	Application Number	Filing Date	Grant Number	Grant Date
Australia	2014200962	25 Feb 2014		
Australia	2008323934	06 Nov 2008		
Brazil	PI0820187-0	06 Nov 2008		
Canada	2705100	06 Nov 2008		
China	200880115903.7	06 Nov 2008		
China		03 Apr 2014		
EP	08847813.6	06 Nov 2008		
Hong Kong	11104012.3	20 Apr 2011		
Israel	225153	11 Mar 2013		

Israel	205610	06 Nov 2008		
India	1734/KOLNP/2010	06 Nov 2008		
Japan	2010-533240	06 Nov 2008		
South Korea	10-2010-7012607	06 Nov 2008		
Mexico	MX/a/2010/005079	06 Nov 2008	291703	04 Nov 2011
Malaysia	PI2010002037	06 Nov 2008		
Singapore	201003259-7	06 Nov 2008	161448	30 Nov 2012
United States	13/492,667	08 Jun 2012		
United States	14/213,197	14 Mar 2014		
United States	12/266,246	06 Nov 2008	8,216,778	10 Jul 2012
United States	60/986,751	09 Nov 2007		
Patent Cooperation Treaty	PCT/US2008/082612	06 Nov 2008		

10. Chondrocyte Media Formulations and Culture Procedures (Family Reference TR0101)

Family Number	Application Number	Filing Date	Grant Number	Grant Date
Australia	37401/97	25 Jul 1997	730749	25 Jul 1997
Canada	2261292	25 Jul 1997	2261292	30 Sep 2008
EP	97934312.6	25 Jul 1997		
JP	509024/98	25 Jul 1997	3638614	21 Jan 2005
United States	09/229430	13 Jan 1999	6150163	21 Nov 2000
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11. Tissue Culture Device for Uniformly Seeding Cells on a Removable Matrix (Family Reference US2013/287)

Family Number	Application Number	Filing Date	Grant Number	Grant Date
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