

TRADEMARK ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

Assignment ID: TM156

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	SECURITY INTEREST		
CONVEYING PARTY DATA			
Name	Formerly	Execution Date	Entity Type
ABT Holding Company		01/22/2024	Corporation: DELAWARE
ReGenesys BVBA		01/22/2024	Other: BELGIUM
RECEIVING PARTY DATA			
Company Name:	HEALIOS K.K.		
Street Address:	Hibiya Mitsui Tower 12F, 1-1-2 Yurakucho Chiyoda-ku		
City:	Tokyo		
State/Country:	JAPAN		
Postal Code:	100-0006		
Entity Type:	Company: JAPAN		
PROPERTY NUMBERS Total: 15			
Property Type	Number	Word Mark	
Registration Number:	3149174	A ATHERSYS INC.	
Registration Number:	5612831	A ATHERSYS INC.	
Registration Number:	3149173	ATHERSYS	
Registration Number:	5515121	ATHERSYS	
Registration Number:	4396869	MAPC	
Registration Number:	3134781	MULTISTEM	
Registration Number:	5340278	MULTISTEM	
Registration Number:	3159427	RAGE	
Registration Number:	4465830	REGENESYS	
Registration Number:	5419880	REGENESYS	
Registration Number:	7021389	REQOVER	
Registration Number:	7021390	REQOVER	
Registration Number:	4839632	RG REGENESYS BVBA	
Registration Number:	5536858	RG REGENESYS BVBA	
Registration Number:	7139342	SIFU	
CORRESPONDENCE DATA			
Fax Number:	4152687522		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent</i>			
TRADEMARK			

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

Phone: 4152687810
Email: chung@mofo.com,TMDocket@mofo.com
Correspondent Name: Muzamil Huq
Address Line 1: 425 Market Street
Address Line 4: San Francisco, CALIFORNIA 94105

NAME OF SUBMITTER:	AURANA CHUNG
SIGNATURE:	AURANA CHUNG
DATE SIGNED:	02/06/2024

Total Attachments: 101

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INTELLECTUAL PROPERTY SECURITY AGREEMENT

This INTELLECTUAL PROPERTY SECURITY AGREEMENT (“**IP Security Agreement**”), dated as of January 22, 2024, is made by and among ABT HOLDING COMPANY, a Delaware corporation as a Debtor and Debtor-in-Possession under Chapter 11 of the Bankruptcy Code (the “**Borrower**”), the guarantors listed on the signature pages hereto, each of which is a Debtor and Debtor-in-Possession under Chapter 11 of the Bankruptcy Code (the “**Guarantors**”) as grantors, pledgors, assignors and debtors (the Borrower, together with the Guarantors, in such capacities and together with any successors in such capacities, the “**Grantors**”, and each, a “**Grantor**”) in favor of HEALIOS K.K., a Japanese company (the “**Lender**”).

WHEREAS, the Borrower, the Guarantors and the Lender have, in connection with the execution and delivery of this IP Security Agreement, entered into that Secured Superpriority Debtor-In-Possession Financing Agreement dated as of the date hereof (as amended, amended and restated, supplemented or otherwise modified from time to time, the “**Credit Agreement**”); capitalized terms used but not otherwise defined herein shall have the meanings assigned to such terms in the Credit Agreement.

WHEREAS, as a condition precedent to the making of the loans by the Lender under the Credit Agreement, each Grantor has executed and delivered to the Lender that certain Pledge and Security Agreement dated as of the date hereof, made by and among the Grantors and the Lender (the “**Security Agreement**”).

WHEREAS, under the terms of the Security Agreement, the Grantors have granted to the Lender a security interest in, among other property, certain intellectual property of the Grantors, and have agreed to execute and deliver this IP Security Agreement for recording with governmental authorities, including, but not limited to, the United States Patent and Trademark Office and the United States Copyright Office.

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

1. Grant of Security. Each Grantor hereby pledges and grants to the Lender a security interest in and to all of the right, title, and interest of such Grantor in, to, and under the following (the “**IP Collateral**”):

(a) the patents and patent applications set forth in Schedule 1 hereto and all reissues, divisions, continuations, continuations-in-part, renewals, extensions, and reexaminations thereof and amendments thereto (the “**Patents**”);

(b) the trademark registrations and applications set forth in Schedule 2 hereto, together with the goodwill connected with the use thereof and symbolized thereby, and all extensions and renewals thereof (the “**Trademarks**”);

(c) the copyright registrations and applications set forth in Schedule 3 hereto, and all extensions and renewals thereof (the “**Copyrights**”);

(d) all rights of any kind whatsoever of such Grantor accruing under any of the foregoing provided by applicable law of any jurisdiction, by international treaties and conventions, and otherwise throughout the world;

(e) any and all royalties, fees, income, payments, and other proceeds now or hereafter due or payable with respect to any and all of the foregoing; and

(f) any and all claims and causes of action with respect to any of the foregoing, whether occurring before, on, or after the date hereof, including all rights to and claims for damages, restitution, and injunctive and other legal and equitable relief for past, present, and future infringement, dilution, misappropriation, violation, misuse, breach, or default, with the right, but no obligation, to sue for such legal and equitable relief and to collect, or otherwise recover, any such damages.

2. Recordation. Each Grantor authorizes the Commissioner for Patents, the Commissioner for Trademarks, the Register of Copyrights and any other government officials to record and register this IP Security Agreement upon request by the Lender.

3. Loan Documents. This IP Security Agreement has been entered into pursuant to and in conjunction with the Security Agreement, which is hereby incorporated by reference. The provisions of the Security Agreement shall supersede and control over any conflicting or inconsistent provision herein. The rights and remedies of the Lender with respect to the IP Collateral are as provided by the Credit Agreement, the Security Agreement, and related Loan Documents, and nothing in this IP Security Agreement shall be deemed to limit such rights and remedies.

4. Execution in Counterparts. This IP Security Agreement may be executed in counterparts (and by different parties hereto in different counterparts), each of which shall constitute an original, but all of which when taken together shall constitute a single contract. Delivery of an executed counterpart of a signature page to this IP Security Agreement by facsimile or in electronic (i.e., "pdf" or "tif") format shall be effective as delivery of a manually executed counterpart of this IP Security Agreement.

5. Successors and Assigns. This IP Security Agreement will be binding on and shall inure to the benefit of the parties hereto and their respective successors and assigns.


6. Governing Law. This IP Security Agreement and any claim, controversy, dispute, or cause of action (whether in contract or tort or otherwise) based upon, arising out of, or relating to this IP Security Agreement and the transactions contemplated hereby and thereby shall be governed by, and construed in accordance with, the laws of the United States and the State of New York, without giving effect to any choice or conflict of law provision or rule (whether of the State of New York or any other jurisdiction).

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, each Grantor has caused this IP Security Agreement to be duly executed and delivered by its officer thereunto duly authorized as of the date first above written.

BORROWER

ABT HOLDING COMPANY

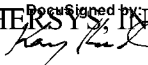
By  _____
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Name: Kasey Rosado

Title: Interim Chief Financial Officer

GUARANTORS

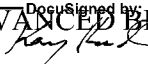
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ATHERSYS, INC.

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Name: Kasey Rosado

Title: Interim Chief Financial Officer


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ADVANCED BIOTHERAPEUTICS, INC.

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Name: Kasey Rosado

Title: Interim Chief Financial Officer

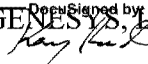
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REGENESYS BVBA

By  _____
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Name: Kasey Rosado

Title: Interim Chief Financial Officer

DocuSigned by:
REGENESYS, LLC

By  _____
247C24A8A605409...

Name: Kasey Rosado

Title: Interim Chief Financial Officer

[Signature Page to IP Security Agreement]

AGREED TO AND ACCEPTED:

LENDER

HEALIOS K.K. DocuSigned by:
By _____ **Hardy Kagimoto**
92E6E50A8FD1420...
Name: Tadahisa “Hardy” Kagimoto
Title: Chairman & CEO

SCHEDULES

SCHEDULE 1

PATENTS

See attached trademark portfolio.

ACTIVE MAPC STEM CELL PATENTS AND APPLICATIONS

G/I = Granted/Issued
 AL/AC = Allowed/Accepted
 F = Pending (Filed)

TRADEMARK

REEL: 008337 FRAME: 0127

MULTIPOTENT ADULT PROGENITOR CELLS: BASIC APPLICATION

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
704676-2001	I	USA	Multipotent Adult Stem Cells and Methods for Isolation	Leo T. Furcht, Catherine M. Verfaillie, Morayma Reyes	11/084,256 20050181502	21 Mar 2005 18 Aug 2005	Con of 10/048,757	11/29/2018	10,226,485	12 Mar 2019
890003-2000.1.1	I	USA	Multipotent Adult Stem Cells and Methods for Isolation	Leo T. Furcht, Catherine M. Verfaillie, Morayma Reyes	12/416,627 20090233353	1 Apr 2009 17 Sep 2009	Con of 11/238,234	13 Apr 2018	9,974,809	22 May 2018
890003-2000.1.2	I	USA	Multipotent Adult Stem Cells and Methods for Isolation	Leo T. Furcht, Catherine M. Verfaillie, Morayma Reyes	12/416,700 20090233354	1 Apr 2009 17 Sep 2009	Con of 11/238,234	29 Mar 2018	9,974,811	22 May 2018
890003-2000.1.3	I	USA	Multipotent Adult Stem Cells and Methods for Isolation	Leo T. Furcht, Catherine M. Verfaillie, Morayma Reyes	12/416,672 20090203129	1 Apr 2009 13 Aug 2009	Con of 11/238,234	22 Mar 2018	9,974,810	22 May 2018
890003-2000.1.4	I	USA	Multipotent Adult Stem Cells and Methods for Isolation	Leo T. Furcht, Catherine M. Verfaillie, Morayma Reyes	12/416,715 20090203130	1 Apr 2009 13 Aug 2009	Con of 11/238,234	21 Mar 2018	10,006,004	26 Jun 2018
890003-2000.1.5	F	USA	Multipotent Adult Stem Cells and Methods for Isolation	Leo T. Furcht, Catherine M. Verfaillie, Morayma Reyes	14/733,514 2015-0267167-A1	8 Jun 2015 24 Sep 2015	Con of 12/416,627			

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
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MULTIPOTENT ADULT PROGENITOR CELLS: BASIC APPLICATION II

890003-2001	I	USA	Multipotent Adult Stem Cells, Sources Thereof, Methods of Obtaining and Maintaining Same, Methods of Differentiation Thereof, Methods of Use Thereof and Cells Derived Thereof	Leo T. Furcht, Catherine M. Verfallie, Morayma Reyes	10/467,963 20040107453	05 Jan 2004 03 Jun 2004	National Phase of PCT/US02/04652	08 Jul 2010	7,838,289	23 Nov 20.
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NEURONAL DIFFERENTIATION OF MAPCS

890003-2006.1	I	USA	Enhanced Neuronal Differentiation of Stem Cells	Catherine Verfallie, Yuhua Jiang	10/561,826 20070059823	22 Dec 2005 15 Mar 2007	National Phase of PCT/US04/021553	18 Dec 2012	8,426,200	23 Apr 2013
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MAPC GENERATION OF LUNG TISSUE

2017.012US1	I	USA	MAPC Generation of Lung Tissue	Bruce Blazar, Angela Panoskatsis-Mortari	11/587,511 20080274088	23 Oct 2006 6 Nov 2008	National Phase of PCT/US05/013651	16 Sep 2013	8,609,412	17 Dec 2013
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DIFFERENTIATION OF MAPCS TO CELLS HAVING A PANCREATIC PHENOTYPE

2017.016US1	I	USA	Differentiation of Non-Embryonic Stem Cells to Cells Having a Pancreatic Phenotype	Catherine M. Verfallie, Miguel Angel Barajas Velez, Yves Pierre Heremans	12/089,868 20090092586	10 Apr 2008 9 Apr 2009	National Phase of PCT/US06/040212	6 Dec 2012	8,409,859	2 Apr 2013
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ENDODERMAL PROGENITOR CELLS (Schwegman)

2017.017US1	I	USA	Endodermal Progenitor Cells	Catherine Verfallie	12/312,731 20100150876	26 Nov 2007 17 Jun 2010	National Phase of PCT/US07/024415	11 Dec 2014	9,005,964	14 Apr 2015
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IMMUNOMODULATORY PROPERTIES OF MAPC (Millstein)

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-AU1	G	Australia	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	2006311418	09 Nov 2006	PCT/US06/043804	14 Mar 2013	2006311418	25 Jun 201
ATHS-0019-AU-D01	G	Australia	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	2013273625	13 Dec 2013 30 Jun 2016	DIV of 2006311418	14 Jun 2016	2013273625	3 Nov 2016
ATHS-0019-AU-D02	G	Australia	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	2016203976	14 Jun 2016	DIV of 2013273625	01 Feb 2018	2016203976	17 May 2018
ATHS-0019-AU-D03	G	Australia	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	2018202929	09 Nov 2006 (Act 27 Apr 2018)	DIV of 2016203976	29 Jun 2020	2018202929	29 Oct 2020
ATHS-0019-AU-D05	F	Australia	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	2022203669	09 Nov 2006 (act 30 May 2022)	Div of 2020204242			
ATHS-0019-BR1	G	Brazil	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	P1 0618486-3 Pub BRP1061886A2	09 Nov 2006 Pub 30 Aug 2011	PCT/US06/043804	03 Aug 2021	P1 0618486-3	30 Nov 2021

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REEL: 008337 FRAME: 0129

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-CA1	G	Canada	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	2,628,254 Pub. 2628254	09 Nov 2006 18 May 2007 Pub. 30 Aug 2008	PCT/US06/043804	19 Dec 2022	2,628,254	20 Jun 2015
ATHS-0019-CA-D01	AL	Canada	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	3,028,315	09 Nov 2006 (act. 21-Dec-2018)	DIV of CA 2,628,254	13 Mar 2023		
ATHS-0019-CN1	G	China	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	200680050862.9 101336112A	09 Nov 2006 31 Dec 2008	PCT/US06/043804		101336112 B	20 May 2015
ATHS-0019-CN-D01	G	China	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	201410373262.2 104095878A	9 Nov 2006 15 Oct 2014	DIV of 200680050862.9	8 Nov 2019	104095878 B	21 Jan 2020
ATHS-0019-CN-D02	G	China	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	201510185968.0 104873540A	9 Nov 2006 2 Sep 2015	DIV of 200680050862.9	29 Aug 2019	104873540 B	15 Nov 2019

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REEL: 008337 FRAME: 0130

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-EP/AT	G	Austria	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 20:
ATHS-0019-EP/BE	G	Belgium	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 20:
ATHS-0019-EP/CH	G	Switzerland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/DE	G	Germany	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/DK	G	Denmark	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/ES	G	Spain	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019

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REEL: 008337 FRAME: 0131

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-EP/FI	G	Finland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 20:
ATHS-0019-EP/FR	G	France	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 20:
ATHS-0019-EP/GB	G	United Kingdom	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/GR	G	Greece	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/IE	G	Ireland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/IT	G	Italy	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019

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REEL: 008337 FRAME: 0132

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-EP/LT	G	Lithuania	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 20:
ATHS-0019-EP/LU	G	Luxembourg	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 20:
ATHS-0019-EP/LV	G	Latvia	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/MC	G	Monaco	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/NL	G	Netherlands	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019
ATHS-0019-EP/PL	G	Poland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 2019

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REEL: 008337 FRAME: 0133

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-EP/PT	G	Portugal	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 20:20
ATHS-0019-EP/SE	G	Sweden	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	06837336.4 1951294	09 Nov 2006 06 Aug 2008	PCT/US06/043804	03 June 2019	1951294	25 Dec 20:20
ATHS-0019-EP-D01/AT	G	Austria	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/BE	G	Belgium	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/CH	G	Switzerland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/CZ	G	Czech Republic	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021

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REEL: 008337 FRAME: 0134

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-EP-D01/DE	G	Germany	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/DK	G	Denmark	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/ES	G	Spain	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/FI	G	Finland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/FR	G	France	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/GB	G	United Kingdom	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021

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REEL: 008337 FRAME: 0135

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-EP-D01/GR	G	Greece	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/HU	G	Hungary	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/IE	G	Ireland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/IS	G	Iceland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/IT	G	Italy	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/LU	G	Luxembourg	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021

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REEL: 008337 FRAME: 0136

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-EP-D01/NL	G	Netherlands	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/PL	G	Poland	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/PT	G	Portugal	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D01/SE	G	Sweden	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	13180503.8 Pub 2684571	09 Nov 2006 (act 15 Aug 2013) Pub 15 Jan 2014	Div of EP 068637336.4	10 Dec 2020	2684571	26 May 2021
ATHS-0019-EP-D02	F	Europe	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	20195663.8 Pub 3808373	09 Nov 2006 (act 11 Sept 2020) Pub 21 Apr 2021	Div. of EP 13180503.8			
ATHS-0019-HK1	G	Hong Kong	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovics, Philipp Streeter, Wouter Van 't Hof	09100910.8 1123201A	2 Feb 2009 12 Jun 2009	EP Appl. No. 06837336.4 (EP Pat 1951294)	3 June 2019	1123201	11 Sep 2020

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REEL: 008337 FRAME: 0137

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-HK-D01	G	Hong Kong	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	14106995.6 1193978	9 Jul 2014 10 Oct 2014	EP13180503.8	EP Allowed 10 Dec 2020	1193978	10 Sep 2020
ATHS-0019-HK-D02	G	Hong Kong	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	15103605.4 1203058A	14 Apr 2015 16 Oct 2015	DIV of CN 201410373262.2	CN Allowed 8 Nov 2019	1203058	20 Nov 2020
ATHS-0019-HK-D03	G	Hong Kong	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	16102297.8 1214166A	29 Feb 2016 22 Jul 2016	CN 201510185968.0	CN Allowed 29 Aug 2019	1214166	30 Sep 2020
ATHS-0019-HK-D04	F	Hong Kong	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	42021037054.0 Pub. 40046873	09 Nov 2006 (act 16 Aug 2021) Pub. 12 Nov 2021	EP 20195663.8			
ATHS-0019-IL1	G	Israel	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	191317	09 Nov 2006	PCT/US06/043804	31 Mar 2015	191317	1 Jul 2015
ATHS-0019-IL-D02	G	Israel	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	249572	09 Nov 2016 (Act. 14 Dec 2016)	Div of IL 191317	31 May 2020	249572	1 Dec 2020

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REEL: 008337 FRAME: 0138

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-IL-D03	G	Israel	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	276705	09 Nov 2016 (Act. 13 Aug 2020)	Div of IL 249572	08 Nov 2021	276705	02 Aug 20:20
ATHS-0019-IL-D04	F	Israel	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	289024	09 Nov 2016 (Act. 15 Dec 2021)	Div of IL 276705			
ATHS-0019-JP1	G	Japan	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	2008-540216 2009-514997	09 Nov 2006 21 Apr 2009	PCT/US06/043804		5399709	1 Nov 2013
ATHS-0019-JP-D01	G	Japan	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	2013-160108 2012-256510	1 Aug 2013 26 Dec 2013	DIV of 2008-540216		53997514	11 Mar 2016
ATHS-0019-JP-D02	G	Japan	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	2015-246808 2016-135763	09 Nov 2006 (act. 18 Dec 2015) 28 Jul 2016	DIV of 2013-160108	17 Apr 2018	6342880	25 May 2018
ATHS-0019-KR1	G	Korea	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	1020067012237 Pub. 10-2008-0092336	09 Nov 2006 Pub. 15 Oct 2008	PCT/US06/043804		10-1423786	21 Jul 2014

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-MX1	G	Mexico	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philip Streeter, Wouter Van 't Hof	MXa2008005940	09 Nov 2006	PCT/US06/043804		310588	18 Jun 201
ATHS-0019-NZ1	G	New Zealand	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philip Streeter, Wouter Van 't Hof	568546	09 Nov 2006	PCT/US06/043804		568546	8 Oct 201
ATHS-0019-NZ1-D01	G	New Zealand	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philip Streeter, Wouter Van 't Hof	596022	09 Nov 2006	Divisional of 568546	28 Sep 2013	596022	1 Oct 2013
ATHS-0019-PH1	G	Philippines	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philip Streeter, Wouter Van 't Hof	1-2008-501081	09 Nov 2005	PCT/US06/043804	2 Oct 2015	1-2008-501081	16 May 2016
ATHS-0019-PH-D01	G	Philippines	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philip Streeter, Wouter Van 't Hof	1-2015-502169 Pub. J1/2015/502169A1	16 Sep 2015 Pub. 24 Apr 2017	DIV of 1-2008-501081		1-2015-502169	02 Nov 2021
ATHS-0019-PH-D02	F	Philippines	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Philip Streeter, Wouter Van 't Hof	1-2021-551194	09 Nov 2006 (act 25 May 2021)	DIV of 1-2015-502169			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-RU1	G	Russia	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	2008-122934	09 Nov 2006	PCT/US06/043804		2497530	10 Nov 20: 2017
ATHS-0019-SG1	G	Singapore	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	200803474-6	09 Nov 2006	PCT/US06/043804		142545	24 Apr 20: 2017
ATHS-0019ZA1	F	South Africa	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	2008/04897	09 Nov 2006	PCT/US06/043804			
ATHS-0019-US1 (Millstein)	I	USA	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	11/269,736 20060263337	09 Nov 2005 23 Nov 2006	(No priority claim)	27 Feb 2012	8,147,824	3 Apr 2012
ATHS-0019-P01 (Millstein)	I	USA	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	12/093,159 20090104163	09 Nov 2006 (act 30 Dec 2008) 23 Apr 2009	National Phase of PCT/US06/043804	22 Feb 2018	9,962,407	08 May 2018
ATHS-0019-C01 (Millstein)	I	USA	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacsovic, Phillip Streeter, Wouter Van 't Hof	13/345,036 2012-0135043	06 Jan 2012 31 May 2012	CON of 11/269,736 (which has no priority claim)	26 Jun 2017	9,808,485	07 Nov 2017

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REEL: 008337 FRAME: 0141

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0019-C03	I	USA	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	15/804,760 Pub. 2018/0055881	6 Nov 2017 Pub. 1 Mar 2018	CON of 13/345,036	18 Aug 2021	11,197,889	14 Dec 2020
ATHS-0019-C04	F	USA	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	17/373,089 Pub 2021/0346429	12 Jul 2021 Pub 11 Nov 2021	CON of 15/804,760			
ATHS-0019-P01-C01	I	USA	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	15/970,385 Pub. 2018/0318346	09 Nov 2006 (act. 03 May 2018) Pub. 8 Nov 2018	CON of 12/093,159 (which is nat of PCT)	15 Jan 2021	11,000,546	11 May 2021
ATHS-0019-P01-C02	F	USA	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	17/147,167 Pub. 2021/0205359	12 Jan 2021 Pub. 08 Jul 2021	CON of 15/970,385			
ATHS-0019-P01-C03	F	USA	Immunomodulatory Properties of MAPC and Uses Thereof	Robert Deans, Richard Maziarz, Magdalena Kovacovics, Phillip Streeter, Wouter Van 't Hof	17/226,769 Pub 2021/0228626	09 Apr 2021 Pub 29 Jul 2021	CON of 15/970,385			
MAPC TREATMENT OF BRAIN INJURIES AND DISEASES (Millstein)										
ATHS-0020-AU1	G	Australia	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays, Robert J. Deans, David C. Hess, James E. Carroll, Cesar V. Borlongan	2007208367	23 Jan 2007 (act. 15 Aug 2008)	PCT/US07/ 001746	16 May 2013	2007208367	29 Aug 2013

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0020-CA1	G	Canada	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	2,642,826	23 Jan 2007 (act. 18 Aug 2008)	PCT/US07/ 001746	29 Nov 2018	2,642,826	08 Jan 2013
ATHS-0020-CA-D01	G	Canada	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	3,028,321	23 Jan 2007 (act. 21 Dec 2018)	CA 2,642,826	22 Dec 2021	3,028,321	21 Jun 2022
ATHS-0020-CA-D02	F	Canada	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	3,155,196	23 Jan 2007 (act. 13 April 2022)	DIV of CA 3,028,321			
ATHS-0020-CN-D01	F	China	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	201510271093.6 Pub. 105560284 A	23 Jan 2007 (act. 26 May 2015) Pub. 11 May 2016	DIV of 200780010390.9			
ATHS-0020-EP/AT	G	Austria	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/BE	G	Belgium	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013

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REEL: 008337 FRAME: 0143

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0020-EP/CZ	G	Czech Republic	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 20: 2013
ATHS-0020-EP/DK	G	Denmark	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 20: 2013
ATHS-0020-EP/FI	G	Finland	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/FR	G	France	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/DE	G	Germany	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/GR	G	Greece	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0020-EP/HU	G	Hungary	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 20:00
ATHS-0020-EP/IE	G	Ireland	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 20:00
ATHS-0020-EP/IT	G	Italy	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/LU	G	Luxembourg	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/NL	G	Netherlands	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/PL	G	Poland	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0020-EP/PT	G	Portugal	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 20:
ATHS-0020-EP/ES	G	Spain	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 20:
ATHS-0020-EP/SE	G	Sweden	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/CH	G	Switzerland	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-EP/GB	G	United Kingdom	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	EP07762457.5	23 Jan 2007	WO07/087292 (EPP of 1981515)		1981515	24 Apr 2013
ATHS-0020-HK-D01	F	Hong Kong	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	16112803.4 Pub. 1224562A	8 Nov 2016 (Actual) Pub. 25 Aug 2017	CN 201510271093.6			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0020-JP1	G	Japan	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	2008-552359 Pub. 2009-523846	Eff. 23 Jan 2007 Act. 23-Jul-2008 Pub. 25 Jun 2009	PCT/US07/ 001746		5432527	13 Dec 20:
ATHS-0020-JP-D01	G	Japan	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	2013-150313 Pub. 2013-241436	Eff. 23 Jan 2007 Act. 13 Aug 2013 Pub. 5 Dec 2013	DIV of 2008-552359	26 Mar 2018	6338331	18 May 2018
ATHS-0020-JP-D02	G	Japan	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	2016-201847 Pub. 2017-52763	Eff. 23 Jan 2007 Act. 13-Oct-2016 Pub. 16-Mar-2017	DIV of JP 2013-150313	25 Feb 2019	6502301	29 Mar 2019
ATHS-0020-JP-D04	F	Japan	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	2020-209942 Pub 2021-42258	Eff. 23 Jan 2007 Act 18 Dec 2020 Pub 18 Mar 2021	DIV of JP 2019-006297			Precautionary Divisional
ATHS-0020-NZ1	G	New Zealand	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	570614	Eff. 23-Jan-2007 Act. 19-Aug-2008	PCT/US07/ 001746	11 Jul 2012	570614	5 Nov 2012
ATHS-0020-NZ-D03	G	New Zealand	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	705777	Eff. 23 Jan 2007 Act. 10 Mar 2015	DIV of 615231	29 Nov 2016	705777	24 Mar 2017

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0020-NZ-D05	G	New Zealand	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	742898	Eff. 23 Jan 2007 Act. 25 May 2018	DIV of NZ 725811	30 Jan 2020	742898	01 May 2020
ATHS-0020-NZ-D08	F	New Zealand	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	796868	Eff. 23 Jan 2007 Act. 03 Feb 2023	DIV of NZ 778607			
ATHS-0020-US1	I	USA	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	12/161,830 Pub. 20100310570	Eff. 23 Jan 2007 Act. 27 Aug 2009 Pub. 9 Dec 2010	National Phase of PCT/US07/001746	29 Jun 2018	10,117,900	6 Nov 2018
ATHS-0020-C01	I	USA	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	15/849,181 Pub. 2018/0296609	Eff. 23 Jan 2007 Act. 20 Dec 2017 Pub. 18 Oct 2018	CON of US 12/161,830	22 Feb 2022	11,351,202	7 Jun 2022
ATHS-0020-C02	F	USA	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	17/344,205 Pub. 2021/0299185	Eff. 23 Jan 2007 Act. 10 June 2021 Pub. 30 Sep 2021	CON of US 15/849,181			
ATHS-0020-C03	F	USA	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	17/556,330 Pub. 2022/0110982	Eff. 20 Dec 2021 Pub. 14 Apr 2022	CON of US 17/344,205			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0020-C04	F	USA	MAPC Treatment of Brain Injuries and Diseases	Robert W. Mays Robert J. Deans David C. Hess James E. Carroll Cesar V. Borlongan	17/556,380 Pub. 2022/0118026	Eft 20-Dec-2021 Pub. 21 Apr 2022	CON of US 17/344,205			

MAPC THERAPEUTICS WITHOUT ADJUNCTIVE IMMUNOSUPPRESSIVE TREATMENT (Millstein)

ATHS-0031-AU1	G	Australia	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	2007208368	23 Jan 2007 5 Sep 2013	PCT/US07/001747	19 Apr 2013	2007 208 368	5 Sep 2013
ATHS-0031-CA1	G	Canada	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	2,642,887	23 Jan 2007 Pub 02 Aug 2007	PCT/US07/001747	16 Feb 2021	2,642,887	03 Aug 2021
ATHS-0031-CA-D01	G	Canada	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	3,028,279	23 Jan 2007 (act 21 Dec 2018)	DIV of CA 2,642,887	17 Feb 2021	3,028,279	03 Aug 2021
ATHS-0031-CA-D02	F	Canada	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	3,124,132	23 Jan 2007 (act 09 Jul 2021)	DIV of CA 2,642,887			
ATHS-0031-HK-D02	F	Hong Kong	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	15102179 1201481A	04 Mar 2015 4 Sep 2015	DIV of CN 201410265423.6			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0031-HK-D03	F	Hong Kong	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	181098888.6 1250478	31 Jul 2018 21 Dec 2018	Re-Registration of EP 17200032.5			
ATHS-0031-EP/BE	G	Belgium	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/CH	G	Switzerland	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/DE	G	Germany	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/DK	G	Denmark	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/FR	G	France	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/GB	G	United Kingdom	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0031-EP/IE	G	Ireland	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/IT	G	Italy	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/LU	G	Luxembourg	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/NL	G	Netherlands	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP/SE	G	Sweden	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	EP07762578.8	23 Jan 2007 12 Jun 2013	EP1986668		1986668	12 Jun 2013
ATHS-0031-EP-D02	F	Europe	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	17200032.5 Pub. 3345610	Eff. 23 Jan 2007 Act. 03 Nov 2017 Pub. 11 Jul 2018	Divisional of EP 1166704.4			
ATHS-0031-JP1	G	Japan	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	2008-552360 2009-523847	23 Jan 2007 25 Jun 2009	PCT/US07/001747	24 Jun 2016	5986346	12 Aug 2016

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0031-JP-D01	G	Japan	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	2013-150338 2013-241437	23 Jan 2007 act 13 Aug 2013 5 Dec 2013	DIV of 2008-552360	10 Apr 2018	6344892	01 Jun 201
ATHS-0031-JP-D02	G	Japan	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	2016-201854 Pub. 2017-52764	23 Jan 2007 act 13 Oct 2016 Pub. 16 Mar. 2017	DIV of JP 2013-150388	19 Mar 2019	6509795	12 Apr 20:
ATHS-0031-JP-D03	G	Japan	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	2018-237463 Pub. 2019-43960	23 Jan 2007 act 19 Dec 2018 Pub. 22 Mar 2019	DIV of JP 2016-201854	03 Mar 2021	6871899	20 Apr 2021
ATHS-0031-JP-D05	F	Japan	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	2022-110378 Pub. 2022-125317	23 Jan 2007 (act 06 July 2022) Pub. 26 Aug 2022	DIV of JP 2020-93132			
ATHS-0031-NZ1	G	New Zealand	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	570616	23 Jan 2007 27 Jul 2012	PCT/US07/001747		570616	05 Nov 2012
ATHS-0031-NZ-D03	G	New Zealand	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	706776	23 Jan 2007 24 Apr 2015			706776	28 Apr 2017
ATHS-0031-NZ-D04	G	New Zealand	MAPC Therapeutics without Adjuvantic Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	727755	23 Jan 2007 (act. 20 Dec 2016)	DIV of 706776		727755	28 Apr 2023

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0031-NZ-D05	AL	New Zealand	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	744465	23 Jan 2007 (act 20 Jul 2018)	DIV of 727755	14 Apr 2023		
ATHS-0031-NZ-D06	F	New Zealand	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	783817	23 Jan 2007 (23 Dec 2021) Pub 24 Dec 2021	DIV of 744465			
ATHS-0031	F	USA	MAPC Therapeutics without Adjunctive Immunosuppressive Treatment	Robert W. Mays, Robert J. Deans	121161.893 20100008890	23 Jan 2007 14 Jan 2010	National Phase of PCT/US07/001747			

AMELIORATION OF INTRACEREBRAL HEMORRHAGE (Millstein)

ATHS-0044-TR1	F	USA	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	16/265,373 Pub. 2020/0246390	01 Feb 2019 Pub 06 Aug 2020	First Priority			
ATHS-0044-AU	F	Australia	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	2020216403	30 Jan 2020 (act 21 Jul 2021)	PCT/US2020/015884			
ATHS-0044-CA	F	Canada	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	3,127,793	30 Jan 2020 (act 23 July 2021)	PCT/US2020/015884			
ATHS-0044-CN	F	China	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	2020800177058 Pub. CN 113507934 A	30 Jan 2020 (act 30 Aug 2021) Pub. 15 Oct 2021	PCT/US2020/015884			
ATHS-0044-CN-HK	F	Hong Kong	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	62022047008.7 Pub. 40058403A	30 Jan 2020 (act 25 Jan 2022) Pub. 22 Apr 2022	CN 2020800177058 (PCT/US20/015884)			
ATHS-0044-EP	F	Europe	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	20708381.7 Pub. 3917545	30 Jan 2020 (act 10 Aug 2021) Pub. 08 Dec 2021	PCT/US2020/015884			
ATHS-0044-EP-HK	F	Hong Kong	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	62021044197.3 Pub. 40054764	30 Jan 2020 (act 09 Dec 2021) 25 Feb 2022	EP 20708381.7 (PCT/US2020/015884)			
ATHS-0044-IL	F	Israel	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	284959	30 Jan 2020 (act 19 Jul 2021)	PCT/US2020/015884			
ATHS-0044-JP	F	Japan	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	2021-544340 Pub. 2022-523503	30 Jan 2020 (act 29 Jul 2021) Pub. 25 Apr 2022	PCT/US2020/015884			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATHS-0044-KR	F	Korea	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	10-2021-7027874	30 Jan 2020 (act 31 Aug 2021)	PCT/US2020/015884			
ATHS-0044-MX	F	Mexico	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	MX/a/2021/008998	30 Jan 2020 (act 27 Jul 2021)	PCT/US2020/015884			
ATHS-0044-NZ	F	New Zealand	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	778456	30 Jan 2020 (act 26 Jul 2021)	PCT/US2020/015884			
ATHS-0044-PH	F	Philippines	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	1-2021-551826	30 Jan 2020 (act 30 Jul 2021)	PCT/US2020/015884			
ATHS-0044-RU	F	Russia	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	2021122423	30 Jan 2020 (act 28 Jul 2021)	PCT/US2020/015884			
ATHS-0044-SG	F	Singapore	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	11202108278Q	30 Jan 2020 (act 29 Jul 2021)	PCT/US2020/015884			
ATHS-0044-ZA	F	South Africa	Multipotent Adult Progenitor Cells for Treatment of ICH	Robert William Mays	2021/05393	30 Jan 2020 (act 29 Jul 2021)	PCT/US2020/015884			
MAPC AGGREGATES										
ATY-0001AU	G	Australia	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	2009205886	21 Jan 2009	PCT/US09/31528	4 Aug 2015	2009 205 886	10 Dec 2015
ATY-0001CA	G	Canada	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	2,712,496	21 Jan 2009	61/022,121 PCT/US09/31528	31 Jul 2020	2,712,496	12 Jan 2021
ATY-0001EP/BE	G	Belgium	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	EP 09702371.7	21 Jan 2009	61/022,121 PCT/US09/31528	17 Nov 2017	2245141	14 Mar 2018

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0001EP/DE	G	Germany	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	EP 09702371.7	21 Jan 2009	61/022.121 PCT/US09/31528	17 Nov 2017	DE 60 2009 051 216.1	14 Mar 20.
ATY-0001EP/FR	G	France	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	EP 09702371.7	21 Jan 2009	61/022.121 PCT/US09/31528	17 Nov 2017	2245141	14 Mar 20.
ATY-0001EP/GB	G	United Kingdom	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	EP 09702371.7	21 Jan 2009	61/022.121 PCT/US09/31528	17 Nov 2017	2245141	14 Mar 2018
ATY-0001EP/NL	G	Netherlands	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	EP 09702371.7	21 Jan 2009	61/022.121 PCT/US09/31528	17 Nov 2017	2245141	14 Mar 2018
ATY-0001HK	G	Hong Kong	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	10111662.2 1145191	21 Jan 2009 8 Apr 2011	EP 2245141 (PCT/US09/31528)	17 Nov 2017	1145191	3 Aug 2018
ATY-0001IN	G	India	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	4481/CHENP/2010	21 Jan 2009	61/022.121 PCT/US09/31528		283346	17 May 2017
ATY-0001IL	G	Israel	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	207036	21 Jan 2009	PCT/US09/31528	12 Jun 2014	207036	12 Dec 2014

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0001SGDIV	G	Singapore	Stem Cell Aggregates and Methods for Making and Using	Wei-/Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	201300416-3 Pub. 187493	21 Jan 2009 (act 17 Jan 2014) Pub. 28 Feb 2013	61/022.121 PCT/US09/31528 SG20100516201		187493	22 Jan 2018
ATY-0001US-CON	I	USA	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	13/889,015 2013-0315882A1	7 May 2013 28 Nov 2013	CON of 12/863.015 (PCT/US09/031528 61/022.121)	11/26/2018	10,253,297	09 Apr 20:
ATY-0001US-CONDVCON	F	USA	Stem Cell Aggregates and Methods for Making and Using	Wei-Shou Hu, Kartik Subramanian, Catherine M. Verfaillie	17/575,564 Pub. 2022/0213435	13 Jan 2022 07 Jul 2022	CON of US 16/259,667 (PCT/US09/031528 61/022.121)			
USE OF MAPCS TO PREVENT NEURONAL DIEBACK										
ATY-0002AU-DIV	G	Australia	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	2014 280 897	04 Sep 2009	DIV of 2009289521	7 Sep 2016	2014280897	12 Jan 2017
ATY-0002CA	G	Canada	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	2,736,230	04 Sep 2009	PCT/US09/56046	08 Apr 2021	2,736,230	29 Jun 2021
ATY-0002IL	G	Israel	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	211567	04 Sep 2009 29 Sep 2016	PCT/US09/56046	8 Jun 2016	211567	30 Dec 2016
ATY-0002JP	G	Japan	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	2011-526232	04 Sep 2009	PCT/US09/56046	4 Feb 2015	5709751	13 Mar 2015
ATY-0002JP-DIV2	G	Japan	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	2014-87943 2014-133762	22 Apr 2014 24 Jul 2014	DIV of 2014-84272	07 Apr 2016	5933623	13/May 2016

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATTY-0002JP-DIV3	G	Japan	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	2016-3235 Pub. 2016-47860	04 Sep 2009 (act. 12 Jan 2016) Pub. 07 Apr 2016	DIV of 2014-87943	14 Feb 2018	6307531	16 Mar 2016
ATTY-0002JP-DIV5	G	Japan	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	2018-120714 Pub. 2018-141027	04 Sep 2009 (act. 26 Jun 2018) Pub. 13 Sep 2018	Div of JP 2017-3098	16 May 2019	6539385	14 Jun 2016
ATTY-0002JP-DIV8	F	Japan	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	2022-163886 Pub. 2022-179685	04 Sep 2009 (act. 12 Oct 2022) Pub. 02 Dec 2022	Div of JP 2020-137419			
ATTY-0002US	F	USA	Use of Stem Cells to Prevent Neuronal Dieback	Sarah A. Busch, Kevin P. Horn, Jerry Silver, Robert W. Mays	13/062,343 2011-0293578	04 Sep 2009 12 Jan 2011	National Phase of PCT/US09/56046			
USE OF MAPCS TO REDUCE LEUKOCYTE EXTRAVASATION										
ATTY-0004AU	G	Australia	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	2010276201	21 Jul 2010 (act. 15 Feb 2012)	PCT/US10/42726	3 Oct 2013	2010-276201	30 Jan 2014
ATTY-0004AU/DV	G	Australia	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	2013 231 210	21 Jul 2010 (act. 25 Sep 2013)	DIV of 2010276201	28 Oct 2014 (acceptance date)	2013 231 210	05 Mar 2015
ATTY-0004EP/BE	G	Belgium	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	108028408 2456853	21 Jul 2010	PCT/US10/42726	24 Jun 2020	2456853 B	28 Oct 2020

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0004EP/CH	G	Switzerland	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	108028408 2456853	21 Jul 2010	PCT/US10/42726	24 Jun 2020	2456853 B	28 Oct 2020
ATY-0004EP/DE	G	Germany	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	108028408 2456853	21 Jul 2010	PCT/US10/42726	24 Jun 2020	2456853 B (DE 60 2010 065 788.4)	28 Oct 2020
ATY-0004EP/DK	G	Denmark	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	108028408 2456853	21 Jul 2010	PCT/US10/42726	24 Jun 2020	2456853 B	28 Oct 2020
ATY-0004EP/FR	G	France	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	108028408 2456853	21 Jul 2010	PCT/US10/42726	24 Jun 2020	2456853 B	28 Oct 2020
ATY-0004EP/GB	G	United Kingdom	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	108028408 2456853	21 Jul 2010	PCT/US10/42726	24 Jun 2020	2456853 B	28 Oct 2020
ATY-0004EP/NL	G	Netherlands	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	108028408 2456853	21 Jul 2010	PCT/US10/42726	24 Jun 2020	2456853 B	28 Oct 2020
ATY-0004EP/SE	G	Sweden	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	108028408 2456853	21 Jul 2010	PCT/US10/42726	24 Jun 2020	2456853 B	28 Oct 2020
ATY-0004EP-DIV	F	Europe	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	20203941.8 Pub 3831930	21 Jul 2010 (act. 26 Oct 2020) Pub 9 June 2021	Div of EP 108028408			
ATY-0004HK	G	Hong Kong	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	12106143.9 Pub. 1165489	21 Jul 2010 (act. 21 Jun 2012) Pub 5 Oct 2012	EP 108028408	24 Jun 2020	1165489 B	26 Mar 2021
ATY-0004HK-DIV	G	Hong Kong	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	42021043544.2 Pub 40055177A	21 Jul 2010 (act. 03 Dec 2021) Pub 11 Mar 2022	EP Div 20203941.8			
ATY-0004IL	G	Israel	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	217648	21 Jul 2010 (act. 19 Jan 2012)	PCT/US10/42726	31 Jul 2018	217648	01 Nov 2018

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REEL: 008337 FRAME: 0158

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0004JP	G	Japan	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	2012-521750 Pub. 2013-500012	21 Jul 2010 (act. 19 Jan 2012) Pub. 7 Jan 2013	PCT/US10/42726	13 Oct 2017	6243119	17 Nov 20.
ATY-0004JP-DIV	G	Japan	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	2014-222204 2015-43779	21 Jul 2010 (act. 31 Oct 2014) Pub. 12 Mar 2015	DIV of 2012-521750	06 Apr 2018	6325419	20 Apr 20.
ATY-0004JP-DIV6	F	Japan	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	2023-87113 Pub. 2023-99831	7/21/2010 (act. 5/26/23) Pub. 13 Jul 2023	DIV of JP 2021-139876			Precautionary Only
ATY-0004SG-DIV2	F	Singapore	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	10201913624Y	21 Jul 2010 (act. 27 Dec 2019)	DIV OF SG 10201404280X			
ATY-0004US	F	USA	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	12/840,722 Pub. 20110020293	21 Jul 2010 Pub. 27 Jan 2011	Claims to 61/227,309			
ATY-0004US-DIV	F	USA	Use of Stem Cells to Reduce Leukocyte Extravasation	Juliana Woda, Wouter Van 't Hof	14/051,164 Pub. 2014-0037596	10 Oct 2013 Pub. 6 Feb 2014	DIV of 12/840,722			
USE OF MAPCS TO REDUCE LEUKOCYTE EXTRAVASATION										
ATY-0005EP/BE	G	Belgium	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2456860	05 Sep 2018

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REEL: 008337 FRAME: 0159

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATTY-0005EP/CH	G	Switzerland	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2456860	05 Sep 2018
ATTY-0005EP/DE	G	Germany	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	60 2010 053 389.1	05 Sep 2018
ATTY-0005EP/DK	G	Denmark	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2456860	05 Sep 2018
ATTY-0005EP/ES	G	Spain	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2690199	05 Sep 2018
ATTY-0005EP/FR	G	France	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2456860	05 Sep 2018
ATTY-0005EP/GB	G	United Kingdom	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2456860	05 Sep 2018
ATTY-0005EP/IE	G	Ireland	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2456860	05 Sep 2018

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REEL: 008337 FRAME: 0160

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0005EP/IT	G	Italy	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	5020180000362 16	05 Sep 201
ATY-0005EP/NL	G	Netherlands	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2456860	05 Sep 201
ATY-0005EP/SE	G	Sweden	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	EP 10802822.6	21 Jul 2010	PCT/US10/42690	28 Mar 2018 & 17 Jul 2018 (as to post allowance amendment)	2456860	05 Sep 2018
ATY-0005HK	G	Hong Kong	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	12106142.0 1165488	21 Jul 2010 (act. 21 Jun 2012)	EP 10802822.6 (PCT/US10/42690)	28 Mar 2018	1165488 B	13 Sep 2019
ATY-0005IL	G	Israel	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	217643	21 Jul 2010 (act. 19 Jan 2012)	PCT/US10/42690	29 Mar 2018	217643	30 Jun 2018
ATY-0005SG-DIV2	F	Singapore	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	10201913618W	21 Jul 2010 (act. 27 Dec 2019)	DIV of 10201404281Y			
ATY-0005US	F	USA	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	12/840,420 Pub. 20110020292	21 Jul 2010 Pub. 27 Jan 2011	Claims to 61/227,311			
ATY-0005US-DIV	F	USA	Use of Stem Cells to Reduce Leukocyte Extravasation	Wouter Van 't Hof	14/070,075 Pub. 2014-0134137	01 Nov 2013 Pub. 15 May 2014	DIV of 12/840,420			

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MODULATION OF ANGIOGENESIS BY MAPCS

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0008AU	G	Australia	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	2011220940	23 Feb 2011 (act 5 Sep 2012)	PCT/US11/025846	10 Sep 2014 02 Apr 2015	2011 220 940	9 Apr 201
ATY-0008AU-DIV	G	Australia	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	2014 250 727	23 Feb 2011 (act 20 Oct 2014)	DIV of 2011220940	1 Aug 2016	2014 250 727	24 Nov 20.
ATY-0008AU-DIV2	G	Australia	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	2016 256 806	23 Feb 2011 (act 11 Nov 2016)	PCT/US11/025846	5 Dec 2017	2016 256 806	05 Apr 2018
ATY-0008BR	G	Brazil	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	1120120214519	23 Feb 2011 (act 24 Aug 2012)	PCT/US11/025846	9 Feb 2021	11 2012 021451 9	13 Apr 2021
ATY-0008CN	G	China	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	2011800202898 Pub. 102858956A	23 Feb 2011 (act 22 Oct 2012) Pub. 2 Jan 2013	PCT/US11/025846	4 Jun 2015	102858956 B	26 Aug 2015
ATY-0008EP/BE	G	Belgium	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 2018
ATY-0008EP/CH	G	Switzerland	Modulation of Angiogenesis	Woda, Anthony E. Ting, Nicholas Lehman Juliana Megan	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 2018
ATY-0008EP/DE	G	Germany	Modulation of Angiogenesis	Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	DE 602011052984.6	17 Oct 2018

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REEL: 008337 FRAME: 0162

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0008EP/DK	G	Denmark	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 201
ATY-0008EP/ES	G	Spain	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 201
ATY-0008EP/FR	G	France	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 201
ATY-0008EP/GB	G	United Kingdom	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 2018
ATY-0008EP/IE	G	Ireland	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 2018
ATY-0008EP/IT	G	Italy	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439 IT 502019000001405	17 Oct 2018
ATY-0008EP/NL	G	Netherlands	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 2018
ATY-0008EP/SE	G	Sweden	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	EP 11747958.4	23 Feb 2011	PCT/US11/025846	12-Mar-2018	EP 2539439	17 Oct 2018
ATY-0008HK	G	Hong Kong	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	13100858.6 Pub. 1174053	23 Feb 2011 Pub. 31 May 2013	EP 11747958.4 (PCT/US11/25846)	EP Allowed 12-Mar-2018	1174053	04 Oct 2019
ATY-0008IL	G	Israel	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	221575	23 Feb 2011 (act 22 Aug 2012)	EP 11747958.4 (PCT/US11/25846)	31-Dec-2017	221575	01 Apr 2018
ATY-0008IL-DIV	G	Israel	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	255914	23 Feb 2011 (act. 26 Nov 2017)	DIV of 221575	31 Dec 2019	255914	01 Apr 2020

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-00081L-DIV2	G	Israel	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	270957	23 Feb 2011 (act. 26 Nov 2019)	DIV of 255914	31 Jul 2022	270957	02 Mar 20:
ATY-00081P-DIV	G	Japan	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	2015-44246 Pub. 2015-109866	23 Feb 2011 Pub. 18 Jun 2015	DIV of 2012-555095	16 Mar 2018	6312326	30 Mar 20:
ATY-00081P-DIV6	F	Japan	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	2023-1052 Pub 2023-26662	23 Feb 2011 (act.06 Jan 2021) Pub 24 Feb 2023	DIV of JP 2021-2029			
ATY-00085G	G	Singapore	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	201206319-4	23 Feb 2011 (act 7 Sep 2012)	PCT/US11/025846		183498	6 Apr 2015
ATY-00085G-DIV2	F	Singapore	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	10201913904P	23 Feb 2011 (act 30 Dec 2019)	DIV of SG 10201501353Y			
ATY-00085G-DIV3	F	Singapore	Modulation of Angiogenesis	Juliana Megan Woda, Anthony E. Ting, Nicholas Lehman	10202102952Y	23 Feb 2011 (act 25 Mar 2021)	DIV of SG 10201501353Y			
MODULATION OF MICROGLIA ACTIVATION BY MAPCS										
ATY-0010US-CON2	F	USA	Modulation of Microglia Activation	Jason A. Hamilton, Anthony E. Ting, Robert W. Mays	17/956,347 Pub. 2023/0131225	29 Sep 2022 Pub. 27 Apr 2023	CON of 13/072,084 (Which is CIP of PCT/US2011/025991)			
MODULATION OF MACROPHAGE ACTIVATION BY MAPCS										
ATY-0011AU	G	Australia	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	2011220721	24 Feb 2011 (act 29 Aug 2012)	PCT/US11/026067	15 Jan 2015	2011 220 721	21 May 2015

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REEL: 008337 FRAME: 0164

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0011AU-DIV	G	Australia	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	2015202292	24 Feb 2011 (act 1 May 2015)	DIV of 2011220721	07-Aug-2017	2015202292	7 Dec 2017
ATY-0011EP/BE	G	Belgium	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	2539436	22 Sep 20:
ATY-0011EP/CH	G	Switzerland	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	2539436	22 Sep 2021
ATY-0011EP/DE	G	Germany	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	DE 60 2011 071 821.5 (EP 2539436)	22 Sep 2021
ATY-0011EP/DK	G	Denmark	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	2539436	22 Sep 2021
ATY-0011EP/FR	G	France	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	2539436	22 Sep 2021

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REEL: 008337 FRAME: 0165

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0011EP/GB	G	United Kingdom	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	2539436	22 Sep 20:20
ATY-0011EP/IE	G	Ireland	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	2539436	22 Sep 20:20
ATY-0011EP/NL	G	Netherlands	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	2539436	22 Sep 2021
ATY-0011EP/SE	G	Sweden	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	11748062.4 Pub 2539436	24 Feb 2011 (act 19 Sept 2012) Pub 2 Jan 2013	PCT/US2011/0260 67	14 Apr 2021	2539436	22 Sep 2021
ATY-0011EP-DIV	F	Europe	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	21175415.5 Pub 3940060	24 Feb 2011 (act 21 May 2021) Pub 19 Jan 2022	DIV of EP 11748062.4			
ATY-0011HK	G	Hong Kong	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	13102604.9 Pub. 1175805	24 Feb 2011 (act 1 Mar 2013) Pub. 12 Jul 2013	EP 11748062.4 PCT/US11/026067	14 Apr 2021	1175805 B	14 Jan 2022

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATTY-0011HK-DIV	F	Hong Kong	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	42022046774.0 Pub 40056997	24 Feb 2011 (act 21 Jan 2022) Pub 08 Apr 2022	EP 21175415.5			
ATTY-0011IL-DIV	G	Israel	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	265832	24 Feb 2011 (act 04 Apr 2019)	DIV of IL 221576	27 Jan 2022	265832	02 Aug 20:
ATTY-0011IL-DIV2	AL	Israel	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	282662	24 Feb 2011 (act 26 Apr 2021)	DIV of IL 265832	24 May 2023		
ATTY-0011SG-DIV	G	Singapore	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	10201501402U	24 Feb 2011 (act 25 Feb 2015) Pub - 29 Apr 2015	DIV of 201206318-6	07 Jun 2021	10201501402U	27 Aug 2021
ATTY-0011SG-DIV2	AL	Singapore	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	10201907877Y	24 Feb 2011 (act 26 Aug 2019) Pub - 27 Sept 2019	DIV of 10201501402U	19 Jun 2023		
ATTY-0011SG-DIV3	F	Singapore	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	10201914001Q	24 Feb 2011 (act 31 Dec 2019)	DIV of SG 10201907877Y			
ATTY-0011US	F	USA	Modulation of Macrophage Activation	Anthony E. Ting, Robert W. Mays, Jason A. Hamilton, Sarah A. Busch, Jerry Silver	13/071.801 20110305638	25 Mar 2011 15 Dec 2011	CIP of PCT/US2011/026067			

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NON-STATIC SUSPENSION CULTURE OF MAPC AGGREGATES

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0015AU	G	Australia	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	2011293440	24 Aug 2011	PCT/US11/48972 61/376,508	4 Apr 2016	2011293440	18 Aug 2017
ATY-0015AU-DIV	G	Australia	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	2016206283	24 Aug 2011 (act. 20 Jul 2016)	Div of 2011293440	20 Apr 2017	2016206283	3 Aug 2017
ATY-0015CA	G	Canada	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	2,809,245	24 Aug 2011 (act 22 Feb 2013)	PCT/US11/48972 61/376,508	09 Jan 2020	2,809,245	14 Jul 2020
ATY-0015CN	G	China	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	2011800511444 Pub. 103237886A	24 Aug 2011 (act 24 Feb 2013) Pub. 7 Aug 2013	PCT/US11/48972 61/376,508	02 Aug 2018	2011800511444	30 Oct 2018
ATY-0015EP/FR	G	France	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	EP 11820597.0	24 Aug 2011	EP 11820597.0		2609191	22 Nov 2017
ATY-0015EP/DE	G	Germany	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	EP 11820597.0	24 Aug 2011	EP 11820597.0		2609191	22 Nov 2017

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0015EP/CH	G	Switzerland	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfaillie, Yonsil Park	EP 11820597.0	24 Aug 2011	EP 11820597.0		2609191	22 Nov 2018
ATY-0015EP/GB	G	United Kingdom	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfaillie, Yonsil Park	EP 11820597.0	24 Aug 2011	EP 11820597.0		2609191	22 Nov 2017
ATY-0015HK	G	Hong Kong	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfaillie, Yonsil Park	13107968.9 Pub. 1180719	24 Aug 2011 (act 5 Jul 2013) Pub. 25 Oct 2013	EP11820597.0	12 May 2017	1180719	18 May 2018
ATY-0015IL	G	Israel	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfaillie, Yonsil Park	224775	24 Aug 2011 (act 18 Feb 2013)	PCT/US11/48972 61/376.508	20 Aug 2017	224775	01 Mar 2018
ATY-0015IN	G	India	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfaillie, Yonsil Park	2177/CHENP/2013 2177/CHENP/2013A	24 Aug 2011 (act 19 Mar 2013) Pub. 5 Dec 2014	PCT/US11/48972 61/376.508	12 Feb 2020	331783	12 Feb 2020
ATY-0015SG-DIV	G	Singapore	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfaillie, Yonsil Park	10201506664T	24 Aug 2011 (act 21 Aug 2015) Pub. - 29 Oct 2015	DIV of 201301352-9	09 June 2021	10201506664T	25 August 2021

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATTY-00155G-DIV2	F	Singapore	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	10201914007Y	24 Aug 2011 (act 31 Dec 2019)	DIV of SG 10201506664T			
ATTY-0015US	I	USA	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	13/217,052 Pub 2012/0052568	24 Aug 2011 Pub 1 Mar 2012	Claims to 61/376,508	9 Sep 2013	8,609,406	17 Dec 20:
ATTY-0015US-CON	I	USA	Non-Static Suspension Culture of Cell Aggregates	Kartik Subramanian, Wei-Shou Hu, Catherine M. Verfallie, Yonsil Park	13/957,987 2014-0024116	2 Aug 2013 23 Jan 2014	CON of 13/217,052	12 May 2016	9,447,380	20 Sep 2016
METHODS OF DIFFERENTIATION OF MAPC INTO HEPATIC CELLS										
ATTY-0017US	I	USA	Methods for Differentiating Cells Into Hepatic Stellate Cells and Hepatic Sinusoidal Endothelial Cells, Cells Produced by the Methods, and Methods for Using the Cells	Paul Sancho-Bru, Catherine M. Verfallie	13/162,228 2012-00096720A1	16 Jun 2011	Claims to 61/355,909 and 61/364,175	24 Mar 2015	9,090,878	28 Jul 2015
ATTY-0017US-DIV	I	USA	Methods for Differentiating Cells Into Hepatic Stellate Cells and Hepatic Sinusoidal Endothelial Cells, Cells Produced by the Methods, and Methods for Using the Cells	Paul Sancho-Bru, Catherine M. Verfallie	14/750,358 2016-0145570	25 Jun 2015 26 May 2016	DIV of 13/162,228	01 Jun 2017	9,777,258	03 Oct 2017

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
METHODS FOR MAKING CELLS WITH AN EXTRA-EMBRYONIC ENDODERMAL PRECURSOR PHENOTYPE										
ATY-0018US	I	USA	Methods for Making Cells With an Extra-Embryonic Endodermal Precursor Phenotype	Catherine M. Verfaillie, Bert Binas	13/996,248 2014-0057313	15 Nov 2013 27 Feb 2014	National Phase of PCT/IB12/000413 30 Jan 2012	23 Mar 2016	9,388,388	12 Jul 201

MODULATION OF SPLENOCYTES IN CELL THERAPY

ATY-0019AU	G	Australia	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	PCT/US11/036235 2011 253 014	12 May 2011	PCT/US11/036235	06 Apr 2016	2011253014	14 Jul 2016
ATY-0019AU-DIV	G	Australia	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	2016 201 524	12 May 2011 (act. 9 Mar 2016)	DIV of 2011 253 014	16 May 2017	2016201524	21 Sep 2017
ATY-0019CA	AL	Canada	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	2798895	12 May 2011	PCT/US11/036235	29 Jun 2023		
ATY-0019CA-DIV	AL	Canada	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	3,128,483	12 May 2011 (act. 12 May 2021)	DIV OF CA 2798895	05 Jul 2023		
ATY-0019EP/BE	G	Belgium	Modulation of Splenocytes in Cell Therapy	Robert W. Mays		12 May 2011	EP 11781272.7		2568991	21 Mar. 2018
ATY-0019EP/DK	G	Denmark	Modulation of Splenocytes in Cell Therapy	Robert W. Mays		12 May 2011	EP 11781272.7		2568991	21 Mar. 2018
ATY-0019EP/FR	G	France	Modulation of Splenocytes in Cell Therapy	Robert W. Mays		12 May 2011	EP 11781272.7		2568991	21 Mar. 2018
ATY-0019EP/DE	G	Germany	Modulation of Splenocytes in Cell Therapy	Robert W. Mays		12 May 2011	EP 11781272.7		60 2011 046 737.9	21 Mar. 2018
ATY-0019EP/NL	G	Netherlands	Modulation of Splenocytes in Cell Therapy	Robert W. Mays		12 May 2011	EP 11781272.7		2568991	21 Mar. 2018

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0019EP/SE	G	Sweden	Modulation of Splenocytes in Cell Therapy	Robert W. Mays		12 May 2011	EP 11781272.7		2568991	21 Mar. 2018
ATY-0019EP/CH	G	Switzerland	Modulation of Splenocytes in Cell Therapy	Robert W. Mays		12 May 2011	EP 11781272.7		2568991	21 Mar. 2018
ATY-0019EP/GB	G	United Kingdom	Modulation of Splenocytes in Cell Therapy	Robert W. Mays		12 May 2011	EP 11781272.7		2568991	21 Mar. 2018
ATY-0019HK	G	Hong Kong	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	13103945.5 1176873	12 May 2011 (act 28 Mar 2013) 9 Aug 2013	11781272.7 PCT/US11/036235	10 Oct 2017	1176873	17 Aug 20. (EP post gre limitation not carried to HK as of 1/10/19)
ATY-0019IL	G	Israel	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	222942	12 May 2011	PCT/US11/036235	19 Feb 2020	222942	01 Oct 2020
ATY-0019IL-DIV	G	Israel	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	274687	12 May 2011 (act. 14 May 2020)	DIV of IL 222942	22 Feb 2021	274687	31 Dec 2021
ATY-0019IL-DIV2	F	Israel	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	284501	12 May 2011 (act. 30 Jun 2021)	DIV of IL 274687			
ATY-0019SG-DIV	G	Singapore	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	10201503700W	12 May 2011 29 Jun 2015	DIV of SG 201208319-2	08 Jul 2021	10201503700W	24 Sep 2021
ATY-0019SG-DIV2	F	Singapore	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	10201913920P	12 May 2011 (act 30 Dec 2019)	DIV of SG 10201503700W			
ATY-0019US	I	USA	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	13/150,491 20110293642	01 Jun 2011 01 Dec 2011	Continuation of PCT/US2011/0362 35	24 Nov 2017	9,937,208	10 Apr 2018
ATY-0019US-REI	F	USA	Modulation of Splenocytes in Cell Therapy	Robert W. Mays; Charles S. Cox, Jr.	17/978,982	02 Nov 2022	Reissue of U.S. 13/150,491(CON) (USP 9,937,208)			
ATY-0019US-DIV	I	USA	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	15/948,617 Pub. 2018/0250342	09 Apr 2018 Pub. 06 Sep 2018	DIV of 13/150,491	21 Apr 2020	10,758,570	01 Sep 2020

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATTY-0019US-REI(DIV)	F	USA	Modulation of Splenocytes in Cell Therapy	Robert W. Mays; Charles S. Cox, Jr.	17/981,360	04 Nov 2022	Reissue of U.S. 15/948,617(DIV) (USP 10/758,570)			
ATTY-0019US-DIV2	F	USA	Modulation of Splenocytes in Cell Therapy	Robert W. Mays	17/008,063 Pub. 2020/0390821	31 Aug 2020 Pub. 17 Dec 2020	Div of US 15/948,617			

EXPANSION OF STEM CELLS IN HOLLOW FIBER BIOREACTORS

ATTY-0020AU	G	Australia	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	2012 266 404	6 Jun 2012	PCT/EP12/060690	28 Jul 2016	2012266404	24 Nov 2016
ATTY-0020AU-DIV	G	Australia	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	2016 256 782	6 Jun 2012 (act. 10 Nov 2016)	Div of AU 2012 266 404	14 May 2018	2016256782	13 Sep 2018
ATTY-0020BR	G	Brazil	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	11 2013 031368 4	6 Jun 2012	PCT/EP12/060690	14 Sep 2021	112013031368-4	07 Dec 2021
ATTY-0020CA	G	Canada	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	2837419	6 Jun 2012	PCT/EP12/060690	25 Mar 2021	2837419	13 Jul 2021
ATTY-0020CN-DIV	F	China	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	2018102105985 Pub. 108410797 A	6 Jun 2012 (act. 14 Mar 2018) Pub. 17 Aug 2018	DIV of CN 2012800383050			
ATTY-0020EP/AT	G	Austria	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/BE	G	Belgium	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/CH	G	Switzerland	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/CZ	G	Czech Republic	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/DE	G	Germany	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	DE 6 2012 065 633.6	13 Nov 2019

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATTY-0020EP/DK	G	Denmark	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2020
ATTY-0020EP/ES	G	Spain	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2020
ATTY-0020EP/FI	G	Finland	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2020
ATTY-0020EP/FR	G	France	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2020
ATTY-0020EP/GB	G	United Kingdom	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/HU	G	Hungary	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/IE	G	Ireland	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/IT	G	Italy	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/NL	G	Netherlands	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/NO	G	Norway	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/PL	G	Poland	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/SE	G	Sweden	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020EP/SK	G	Slovakia	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	EP 12727636.8	6 Jun 2012	PCT/EP12/060690	19 Aug 2019	2718416	13 Nov 2019
ATTY-0020HK	G	Hong Kong	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	114110115.3 1196640A	6 Jun 2012 10 Dec 2014	Reg of EP 12727636.8	19 Aug 2019	1196640	25 Sep 2020

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0020EP-DIV	F	Europe	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	Pub. 3572497 19185835.6	6 Jun 2012 (act. 11 Jul 2019) Pub. 27 Nov. 2019	DIV of EP 12727636.8			
ATY-0020HK-DIV	F	Hong Kong	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	19133398.8 Pub. 40010015 A	6 Jun 2012 (act 10 Dec 2019) Pub. 03 Jul 2020	Reg of EP-DIV 19185835.6			
ATY-0020IL-DIV	F	Israel	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Albert Martha Pinxteren David Craeye	281686	6 Jun 2012 (act 21 Mar 2021)	Div of IL 229608			
ATY-0020JP	G	Japan	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	2014-514052 Pub 2014-519825	6 Jun 2012 21 Aug 2014	PCT/EP12/060690	27 Jun 2017	6182135	28 Jul 2017
ATY-0020JP-DIV	G	Japan	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	2017-79594 Pub. 2017-121257	6 Jun 2012 (act. 13 Apr 2017) Pub 13 Jul 2017	Div of JP 2014-514052	28 Feb 2019	6502997	29 Mar 2019
ATY-0020JP-DIV4	F	Japan	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	2022-16999 Pub. 2022-58910	6 Jun 2012 (act. 07 Feb 2022) Pub. 12 Apr 2022	Div of JP 2020-42914			
ATY-0020KR	G	Korea	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	10-2013-7033769	6 Jun 2012	PCT/EP12/060690	27 Nov 2018	1955053	27 Feb 2019
ATY-0020KR-DIV	G	Korea	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Albert Martha Pinxteren David Craeye	10-2019-7005661	6 Jun 2012 (act. 26 Feb 2019)	Div of KR 10-2013-7033769	29 Oct 2019	2073530	29 Jan 2020
ATY-0020NZ	G	New Zealand	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	618651	6 Jun 2012	PCT/EP12/060690	6 Jul 2015	618651	3 Nov 2015
ATY-0020SG-DIV	G	Singapore	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	10201604543P	6 Jun 2012 28 Jul 2016	DIV of 201308979-2	11 May 2022	10201604543P	29 Sep. 2022
ATY-0020SG-DIV2	F	Singapore	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Albert Martha Pinxteren David Craeye	10201914092X	6 Jun 2012 (act 31 Dec 2019)	DIV of SG 10201604543P			
ATY-0020US-CON	F	USA	Expansion of Stem Cells in Hollow Fiber Bioreactors	Jozef Pinxteren Martha Pinxteren David Craeye	15/267,802 Pub. 2017/0022472	06 Jun 2012 (act 9/16/2016) Pub. 26 Jan 2017	CON of 13/489,581			

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
IMPROVING ORGANS FOR TRANSPLANTATION										
ATY-0022US	I	USA	Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14/252,364 2014-0308252	14 Apr 2014 16 Oct 2014	Claims to 61/811,525	29 Aug 2017	9,861,660	9 Jan 2011
ATY-0022US-CON	I	USA	Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	15/864,862 Pub. 2018/0325945	8 Jan 2018 Pub. 15 Nov 2018	CON of 14/252,364	13 Dec 2018	10,272,109	30 Apr 20:
ATY-0022US-CON2	I	USA	Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	16/385,957 Pub. 2019/0269725	16 Apr 2019 Pub. 5 Sep 2019	CON of 15/864,862	18 Mar 2021	11,071,752	27 Jul 2021
ATY-0022AU	G	Australia	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2014250761	14 Apr 2014	PCT/US14/034015 61/811,525	13 Feb 2019	2014250761	17 Jun 2019
ATY-0022CA	G	Canada	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2,909,267	14 Apr 2014	PCT/US14/034015 61/811,525	11 Apr 2022	2,909,267	25 Oct 2022
ATY-0022CN	G	China	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	201480033787X 105338989A	14 Apr 2014 17 Feb 2016	PCT/US14/034015 61/811,525	06 Jan 2022	201480033787X	08 Apr 2022
ATY-0022CN-DIV	F	China	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2022102776416 Pub. CN 115192612 A	14 Apr 2014 (act 21 Mar 2022) Pub. 18 Oct 2022	Div of CN 201480033787X			
ATY-0022CN-DIV2	F	China	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2022102764550 Pub. 115177637 A	14 Apr 2014 (act 21 Mar 2022) Pub. 14 Oct 2022	Div of CN 201480033787X			
ATY-0022EP/AT	G	Austria	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/BE	G	Belgium	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0022EP/CH	G	Switzerland	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/CZ	G	Czech Republic	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/DE	G	Germany	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/DK	G	Denmark	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/ES	G	Spain	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/FI	G	Finland	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/FR	G	France	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/GB	G	United Kingdom	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/GR	G	Greece	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/HU	G	Hungary	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/IE	G	Ireland	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0022EP/IT	G	Italy	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 20:
ATY-0022EP/LU	G	Luxembourg	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 20:
ATY-0022EP/NL	G	Netherlands	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 20:
ATY-0022EP/NO	G	Norway	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/PL	G	Poland	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/PT	G	Portugal	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP/SE	G	Sweden	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	14782499.9	14 Apr 2014	PCT/US14/034015	12 Mar 2020	2983680	26 Aug 2020
ATY-0022EP-DIV	F	Europe	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	20191214.4 Pub 3795159	14 Apr 2014 (act 14 Aug 2020) Pub. 24 Mar 2021	Div of EP 14782499.9			
ATY-0022HK	G	Hong Kong	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	16102008.8	14 Apr 2014 (act 23 Feb 2016)	EP14782499.9	12 Mar 2020	1214130 B	17 Jun 2022
ATY-0022HK-DIV	F	Hong Kong	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	42021028077.2 Pub 40037927	4/14/2014 (act 3/26/2021) Pub 18 Jun 2021	EP20191214.4			
ATY-0022IL	G	Israel	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	242030	14 Apr 2014	PCT/US14/034015 61/811.525	30 Jun 2019	242030	01 Oct 2019

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0022IL-DIV	G	Israel	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	266686	14 Apr 2014 (act. 16 May 2019)	DIV of IL 242030	24 Jan 2021	266686	01 Sep 2021
ATY-0022IL-DIV2	G	Israel	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	282521	14 Apr 2014 (act. 21 Apr 2021)	DIV of IL 266686	25 Nov 2021	282521	02 Jun 2021
ATY-0022IL-DIV3	G	Israel	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	289870	14 Apr 2014 (act. 16 Jan 2022)	DIV of IL 282521	07 Jul 2022	289870	02 Feb 2022
ATY-0022JP	G	Japan	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2016-507701 2016-515835	14 Apr 2014 2 Jun 2016	PCT/US14/034015 61/811,525	29 Jan 2020	6666240	25 Feb 2020
ATY-0022JP-DIV	G	Japan	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2018-145751 Pub. 2018-166520	14 Apr 2014 (act. 02 Aug 2018) Pub 01 Nov 2018	DIV of JP 2016-507701	29 Jan 2020	6666395	25 Feb 2020
ATY-0022JP-DIV4	F	Japan	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2022-000964 Pub. 2022-36183	Eff. 14 Apr 2014 (Act. 06 Jan 2022) Pub. 04 Mar 2022	DIV of JP 2020-128173			Precautionary Application
ATY-0022KR	G	Korea	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	10-2015-7032451	14 Apr 2014	PCT/US14/034015 61/811,525	26 Jun 2020	10-2161726	24 Sep 2020
ATY-0022KR-DIV	G	Korea	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	10-2020-7027612	14 Apr 2014 (act. 24 Sep 2020)	DIV of KR 10-2015-7032451	20 Oct 2020	2207592	20 Jan 2021
ATY-0022KR-DIV2	G	Korea	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	10-2020-7028622	14 Apr 2014 (act. 06 Oct 2020)	DIV of KR 10-2020-7027612	20 Apr 2021	2280622	16 Jul 2021
ATY-0022MX	G	Mexico	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	MX/A/2015/014386	14 Apr 2014	PCT/US14/034015 61/811,525	30 Mar 2021	384487	14 Jul 2021

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0022MX-DIV	F	Mexico	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	MX/A/2021/008409	14 Apr 2014 (act. 9 Jul 2021) Pub. 20 Sep 2021	DIV of MX/A/2015/014386			
ATY-0022MX-DIV2	F	Mexico	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	MX/A/2021/008407	14 Apr 2014 (act. 9 Jul 2021) Pub. 20 Sep 2021	DIV of MX/A/2015/014386			
ATY-0022NZ	G	New Zealand	Improving Organs for Transplantation	Francesca Anthony Ting Robert J. Deans	714064	14 Apr 2014	PCT/US14/034015 61/811.525	18 Jan 2022	714064	01 Mar 20.
ATY-0022RU	G	Russia	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2015148585	14 Apr 2014	PCT/US14/034015 61/811.525	20 Jun 2018	2665364	29 Aug 2018
ATY-0022RU-DIV	G	Russia	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2018130072	14 Apr 2014 (act 20 Aug 2018) Pub. 02 Oct 2018	DIV of RU 2015148585	15 Jun 2022	2778304	17 Aug 2022
ATY-0022RU-DIV2	F	Russia	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	2022121959	14 Apr 2014 (act 12 Aug 2022)	DIV of RU 2018130072			
ATY-0022SG-DIV	G	Singapore	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	10201710638U	14 Apr 2014 (act 20 Dec 2017) Pub. 30 Jan 2081	DIV of 11201508403X	27 Apr 2020	10201710638U	30 Jun 2020
ATY-0022SG-DIV2	F	Singapore	Improving Organs for Transplantation	Saverio La Francesca Anthony Ting Robert J. Deans	10201914136U	14 Apr 2014 (act 31 Dec 2019)	DIV of SG 10201710638U			
TREATING HEMATOPOIETIC DEFICIENCY										
ATY-0023US	F	USA	Cell Therapy for Myelodysplastic Syndrome	Valerie Roodbrouk, Michel DeForge, Catherine Verfaillie	141266,480 2014-0322135	30 Apr 2014 30 Oct 2014	61/817,625			

DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0023AU	G	Australia	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel Deforge, Catherine Verfallille	2014 266 935	30 Apr 2014	PCT//IB14/001666	29 May 2020	2014266935	24 Sep 20
ATY-0023AU-DIV	G	Australia	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel Deforge, Catherine Verfallille	2020227131	30 Apr 2014 (act 07 Sep 2020)	Div of AU 2014 266 935	22 Jul 2022	2020227131	17 Nov 20:
ATY-0023AU-DIV2	F	Australia	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel Deforge, Catherine Verfallille	2022205227	30 Apr 2014 (act 13 Jul 2022)	Div of AU 2020227131			
ATY-0023EP/BE	G	Belgium	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel Deforge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 2019
ATY-0023EP/CH	G	Switzerland	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel Deforge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 2019
ATY-0023EP/DE	G	Germany	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel Deforge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	60 2014 052 207.6	21 Aug 2019
ATY-0023EP/DK	G	Denmark	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel Deforge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 2019
ATY-0023EP/ES	G	Spain	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel Deforge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 2019

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0023EP/FR	G	France	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel DelForge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 20.
ATY-0023EP/GB	G	United Kingdom	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel DelForge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 20.
ATY-0023EP/IE	G	Ireland	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel DelForge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 2019
ATY-0023EP/IT	G	Italy	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel DelForge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	5020190000932 22	21 Aug 2019
ATY-0023EP/NL	G	Netherlands	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel DelForge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 2019
ATY-0023EP/SE	G	Sweden	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel DelForge, Catherine Verfallille	EP 14780560.0	30 Apr 2014	PCT//IB14/001666	27 Mar 2019	2992088	21 Aug 2019
ATY-0023HK	G	Hong Kong	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel DelForge, Catherine Verfallille	16105285.5 Pub. 1217350	10 May 2016 Pub. 6 Jan 2017	EP14780560.0	EP Allowed 27 Mar 2019	1217350	05 Jun 2020
ATY-0023IL	G	Israel	Cell Therapy for Myelodysplastic Syndrome	Valerie Roobrouck, Michel DelForge, Catherine Verfallille	242283	30 Apr 2014	PCT//IB14/001666	31 Jan 2021	242283	01 Sep 2021
ATY-0023IL-DIV	G	Israel	Cell Therapy for Myelodysplastic Syndromes	Valerie Roobrouck, Michel DelForge, Catherine M. Verfallille	282657	30 Apr 2014 (act. 26 Apr 2021)	DIV of IL 242283	12 Dec 2021	282657	02 Jul 2022

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-00231L-DIV2	F	Israel	Cell Therapy for Myelodysplastic Syndromes	Valerie Roubrouck, Michel DelForge, Catherine M. Verfaille	291241	30 Apr 2014 (act. 09 Mar 2022)	DIV OF IL 282657			

ENHANCING ISLET FUNCTION AND REVASCULARIZATION

ATY-00281P (ATH-024484)	G	Japan	Improved Methods for Pancreatic Islet Transplantation	Joao P. M. C. M. Cunha; Conny Gysemans; Chantal Mathieu	2017-557935 Pub. 2018-515497	05 May 2016 (act. 06 Nov 2017) Pub. 14 Jun 2018	National Phase of PCT/EP16/060138	13 Mar 2020	6685327	2 Apr 202
ATY-00281P-DIV3 (ATH-024484)	F	Japan	Improved Methods for Pancreatic Islet Transplantation	Joao P. M. C. M. Cunha; Conny Gysemans; Chantal Mathieu	2023-127914	05 May 2016 (act. 04 Aug 2023) Pub 08 Apr 2021	Div of JP 2021-4170			
ATY-00281US (ATH-024484)	F	USA	Improved Methods for Pancreatic Islet Transplantation	Joao P. M. C. M. Cunha; Conny Gysemans; Chantal Mathieu	15/147,563 2016/0326494	05 May 2016 10 Nov 2016	Claims to 62/157,341			

STEM CELLS FOR WOUND HEALING

ATY-00291US	I	USA	Stem Cells for Wound Healing	Aernout Luttin Robert J. Deans	15/043,171 Pub. 2017/0209493	12 Feb 2016 Pub. 27 Jul 2017	62/281,334	05 Oct 2020	10,967,006	06 Apr 2021
ATY-00291US-CON	F	USA	Stem Cells for Wound Healing	Aernout Luttin Robert J. Deans	17/222,460 Pub. 2022/0031756	05 Apr 2021 Pub. 03 Feb 2022	CON of US 15/043,171			
ATY-00291AU	G	Australia	Stem Cells for Wound Healing	Aernout Luttin Robert J. Deans	2016387339	Eff. 12 Feb 2016 (act. 03 Aug 2018)	National Stage of PCT/US16/17848 (which claims to US 62/281,334)	02 Nov 2022	2016387339	02 Mar 2023
ATY-00291AU-DIV	F	Australia	Stem Cells for Wound Healing	Aernout Luttin Robert J. Deans	2022211794	12 Feb 2016 (act. 01 Aug 2022)	DIV of AU 2016387339			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATTY-0029CA	F	Canada	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	3.012.330	Eff. 12 Feb 2016 (act. 23 Jul 2018) Pub. 27 Jul 2017 [pub date is same as PCT Pub]	National Stage of PCT/US16/17848 (which claims to US 62/281,334)			
ATTY-0029CN	F	China	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	2016800838745 Pub. 108884437 A	Eff. 12 Feb 2016 (act. 20 Sep 2018) Pub. 23 Nov 2018	National Stage of PCT/US16/17848 (which claims to US 62/281,334)			
ATTY-0029EP	AL	Europe	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	16986758.8 Pub. No. 3405566	Eff. 12 Feb 2016 (act. 8 Aug 2018) Pub. 28 Nov 2018	National Stage of PCT/US16/17848 (which claims to US 62/281,334)	01 Jun 2023		
ATTY-0029HK	F	Hong Kong	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	18115545.8 Pub. 1256413	Eff. 12 Feb 2016 (act. 5 Dec 2018) Pub. 20 Sept 2019	EP 16886758.8			
ATTY-0029JP	G	Japan	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	2018-538137 Pub. 2019-506396	Eff. 12 Feb 2016 (act. 20 Jul 2018) Pub. 7 Mar 2019	National Stage of PCT/US16/17848 (which claims to US 62/281,334)	24 Jun 2021	6918003	26 Jul 2021
ATTY-0029JP-DIV2	F	Japan	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	2022-129977 Pub. 2022-163207	Eff. 12 Feb 2016 (act. 17 Aug 2022) Pub. 25 Oct 2022	Div of JP 2020-116882			
ATTY-0029NZ	G	New Zealand	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	745530	Eff. 12 Feb 2016 (act. 21 Aug 2018)	National Stage of PCT/US16/17848 (which claims to US 62/281,334)	13 Jan 2023 (Accepted)	745530	04 Jul 2023
ATTY-0029NZ-DIV	F	New Zealand	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	772194	12 Feb 2016 (act. 21 Jan 2021)	Div of NZ 745530			
ATTY-0029SG-DIV	F	Singapore	Stem Cells for Wound Healing	Aernout Lutttun Robert J. Deans	10201914102U	Eff. 12 Feb 2016 (act. 31 Dec 2019)	DIV OF SG 11201806245T			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
METHODS FOR ENHANCING PROLIFERATION OF T REGULATORY CELLS										
ATY-0030CA	F	Canada	Methods for Enhancing Proliferation of T Regulatory Cells	Robert J. Deans James Reading Samantha Stubblefield Timothy Tree	3,012,009	Eff. 09 Oct 2015 Act. 09 Apr 2018	Nat. Phase of PCT/US15/054941			
ATY-0030US	F	USA	Methods for Enhancing Proliferation of T Regulatory Cells	Robert J. Deans James Reading Samantha Stubblefield Timothy Tree	15/767,085 Pub. 20190358258	Eff. 09 Oct 2015 Act. 09 Apr 2018 Pub 2019 Nov 28	Nat. Phase of PCT/US15/054941			
CANINE-DERIVED CELLS										
MAPC Scaffolds										
ATY-0034PCT	F	WIPO	CULTURE-EXPANDED CANINE PROGENITOR CELLS AND RELATED METHODS	Robert J. Deans, Annelies Bogaerts, David Craeye	PCT/US2022/049049 Pub. WO 2023/081420	04 Nov 2022 Pub. 11 May 2023	US Prov 63/276,552 (05 Nov 2021)			
ATY-0036PCT [Atty: S. Crane]	F	WIPO	Biocompatible Scaffolds for Culturing Post Natal Progenitor Cells	Bart Vaes, Jan Schrooten, Maarten Somaert, Michelle Stakenborg	PCT/IB2021/051874	05 Mar 2021	US Prov 62/986,080 (06 Mar 2020)			
MAPCs / MULTISTEM FOR COVID-19 / SARS										
ATY-0038AU	F	Australia	Treatment of Virus-Induced Acute Respiratory Distress Syndrome	Anthony E. Ting, Eric D. Jenkins, Alice Valentin-Torres	2021261032	23 Apr 2021 (act 11 Nov 2022)	National Phase of PCT/US21/28991			
ATY-0038CA	F	Canada	Treatment of Virus-Induced Acute Respiratory Distress Syndrome	Anthony E. Ting, Eric D. Jenkins, Alice Valentin-Torres	3176381	23 Apr 2021 (act 20 Oct 2022)	National Phase of PCT/US21/28991			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-0038EP	F	Europe	Treatment of Virus-Induced Acute Respiratory Distress Syndrome	Anthony E. Ting, Eric D. Jenkins, Alice Valentin-Torres	21728669.9 Pub. 4138868	23 Apr 2021 (act 18 Nov 2022) Pub. 01 Mar 2023	National Phase of PCT/US21/28991			
ATY-0038IL	F	Israel	Treatment of Virus-Induced Acute Respiratory Distress Syndrome	Anthony E. Ting, Eric D. Jenkins, Alice Valentin-Torres	297438	23 Apr 2021 (act 19 Oct 2022)	National Phase of PCT/US21/28991			
ATY-0038JP	F	Japan	Treatment of Virus-Induced Acute Respiratory Distress Syndrome	Anthony E. Ting, Eric D. Jenkins, Alice Valentin-Torres	2022-564264 Pub. 2023-523583	23 Apr 2021 (act 21 Oct 2022) 06 Jun 2023	National Phase of PCT/US21/28991			
ATY-0038MX	F	Mexico	Treatment of Virus-Induced Acute Respiratory Distress Syndrome	Anthony E. Ting, Eric D. Jenkins, Alice Valentin-Torres	MX/A/2022/013339 Pub. MX/A/2022/013339	23 Apr 2021 (act 21 Oct 2022) Pub 13 Mar 2023	National Phase of PCT/US21/28991			
ATY-0038NZ	F	New Zealand	Treatment of Virus-Induced Acute Respiratory Distress Syndrome	Anthony E. Ting, Eric D. Jenkins, Alice Valentin-Torres	794696	23 Apr 2021 (act 21 Nov 2022)	National Phase of PCT/US21/28991			
ATY-0038US	F	United States	Treatment of Virus-Induced Acute Respiratory Distress Syndrome	Anthony E. Ting, Eric D. Jenkins, Alice Valentin-Torres	17/921,040	23 Apr 2021 (act 24 Oct 2022)	National Phase of PCT/US21/28991			
METHOD FOR LARGE-SCALE EXPANSION OF ADHERENT NON-IMMORTALIZED CELLS IN A BIOREACTOR AND COMPOSITIONS PRODUCED THEREBY										
ATY-0039US	F	USA	Method For Large-Scale Expansion of Adherent Non-Immortalized Cells In a Bioreactor and Compositions Produced Thereby	John Joseph Harrington, James Isaac Godfrey III, Dominic William Malcolm, Sharon Xiaoyu Chen	18/131,260	05 Apr 2023	Claims Priority to US Prov 63/328,235			
APPARATUS AND METHOD FOR CRYOSTORAGE AND MANIPULATION OF A PLURALITY OF CONTAINER UNITS (FOR MAPCs)										
ATY-1001US	G	USA	Apparatus and Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	16/872,219 Pub 2020/0363116	11 May 2020 19 Nov 2020	62/046,971	28 Sep. 2022	11/566,834	31 Jan 2023

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATY-1001US-CON	F	USA	Apparatus and Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	18/089,104	27 Dec 2022	CON OF US 16/872,219 (PRI 62/846,971)			
ATY-1001US-DES	F	USA Design	Cryogenic Apparatus	Gil Bradford Van Bokkelen, et al.	29/882,544	16 Jan 2023	US 16/872,219			
ATH-1001CA	F	Canada	Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	3,140,062	11 May 2020 (act 03 Dec 2021)	Nat Phase of PCT/US2020/032374			
ATH-1001EP	F	Europe	Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	20729462.0	11 May 2020 (act 22 Nov 2021)	Nat Phase of PCT/US2020/032374			
ATH-1001IL	F	Israel	Apparatus and Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	287826	11 May 2020 (act 03 Nov 2021)	Nat Phase of PCT/US2020/032374			
ATH-1001JP	G	Japan	Apparatus and Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	2021-567816 Pub 2022-535682	11 May 2020 (act 11 Nov 2021) Pub 19 Aug 2022	Nat Phase of PCT/US2020/032374	26 Jun 2023	7324531	02 Aug 2023
ATH-1001JP-DIV	F	Japan	Apparatus and Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	2022-40993	11 May 2020 (act 07 Mar 2022)	DIV of 2021-567816			

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DOCKET NUMBER	STATUS	COUNTRY	TITLE	INVENTOR(S)	APPLICATION NO./ PUBLICATION NO.	FILING DATE / PUB DATE	PRIORITY INFO	ALLOWANCE/ ACCEPTANCE DATE	PATENT NO.	GRANT DATE
ATH-1001JP-DIV2	F	Japan	Apparatus and Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	2023-96844 Pub. 2023-116667	11 May 2020 (act 13 Jun 2023) Pub. 22 Aug 2023	DIV of 2021-567816			
ATH-1001KR	F	Korea	Apparatus and Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	10-2021-7040691	11 May 2020 (act 10 Dec 2021)	Nat Phase of PCT/US2020/032374			
ATH-1001SG	F	Singapore	Apparatus and Method for Cryostorage and Manipulation of a Plurality of Container Units	Gil Bradford Van Bokkelen, et al.	11202112315W	11 May 2020 (act 05 Nov 2021)	Nat Phase of PCT/US2020/032374			
CRYOSTORAGE DEVICES AND METHODS (“GEN2”)										
ATY-1002P	F	USA Provisional	Cryostorage Devices and Methods	Bradley Barber; Jeffrey Brown; John A Corey; Matthew John Foust; Erik Victor Morness; Benjamin Charles Williams; Daniel Ashley Wright; Junjie Zhu	63/439,250	16 Jan 2023	First Priority			
SUSPENSION CULTURE OF NON-HEMATOPOIETIC CELL TYPES										
Basic (US)-CON	G	USA	Progenitor Cell Populations, Expansion Thereof, and Growth of Non-Hematopoietic Cell Types and Tissues Therefrom	Dolores Baksh, John E. Davies, Peter Zandstra	11/828,575 20070255249	26 Jul 2007 1 Nov 2007	CON of 10/475,861	5 Jan 2017	9,644,182	09 May 2017

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SCHEDULE 2

TRADEMARKS

See attached trademark portfolio.

Mark Name	Mark Image	Designation	Country	Status	Owner	Class Description	Filed Date	Application Number	Registration Date	Registration Number	Next Deadline	Next Action Deadline	Symbol	Trademark Reference	Notes
A Athersys Inc. & Design		Registration	United States of America	Registered	AST Holding Company	1- Cells for scientific, laboratory and medical research, the cells having genetic characteristics that render the cells useful in the development of therapeutic and diagnostic compounds, that render the cells useful in the discovery of medically relevant genes, and that render the cells useful in the development of data for drug modeling; and artificial genetic material intended to mimic chromosomes; for scientific, laboratory and medical research; the artificial genetic material being insertable into cells and being reproduced upon cell division	2004-04-06	76/585,363	2006-09-26	3149174	09/26/2006	RENEWAL DEADLINE - Renewal	®	ASTH101001US	
A Athersys Inc. & Design		Registration	United States of America	Registered	AST Holding Company	1- Stem cells for research or scientific purposes (not medical or clinical research) 5- Stem cells for medical or clinical use; stem cells for pharmaceutical purposes; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries, solid organ transplantation and wound healing 42 - Scientific, medical and clinical research of stem cells for medical or clinical use 44 - Growth and expansion of stem cells in cell culture for others for medical purposes;diagnostic or treatment purposes	2017-05-24	87/462,904	2018-11-20	5612831	11/20/2024	SECTION 8 AND 15 DEADLINE	®	ASTH101001US	
Athersys		Registration	United States of America	Registered	AST Holding Company	1- Cells for scientific, laboratory and medical research, the cells having genetic characteristics that render the cells useful in the development of therapeutic and diagnostic compounds, that render the cells useful in the discovery of medically relevant genes, and that render the cells useful in the development of data for drug modeling; and artificial genetic material intended to mimic chromosomes; for scientific, laboratory and medical research; the artificial genetic material being insertable into cells and being reproduced upon cell division 42 - Clinical and scientific research directed to developing cells having genetic characteristics that are useful in the development of therapeutic and diagnostic compounds; clinical and scientific research directed to the development of compounds for therapy and diagnosis; clinical and scientific research directed to the discovery of medically relevant genes; clinical and scientific research directed to the development of cells for use as a therapeutic agent; clinical and scientific research directed to the development of data for drug modeling; and providing a database of drug modeling data to others	2004-04-06	76/585,361	2006-09-26	3149173	09/26/2006	RENEWAL DEADLINE - Renewal	®	ASTH101001US	

アメリカ REZQJMS green katana transliteration	Registration	United States of America	Registered	ABT Holding Company	1- Stem cells for research or scientific purposes (not medical or clinical research) 5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries, solid organ transplantation and wound healing 42- Scientific, medical and clinical research of stem cells for medical or clinical use 44- Growth and expansion of stem cells in cell culture for others	2017-05-24	872452920	2018-07-10	5515121	07/10/2024	SECTION 8 AND 15 DEADLINE		ABHT0108JP	
レスキリス REZQJMS white katana transliteration	Registration	Japan	Registered	ABT Holding Company	5- Stem cells for medical purposes, pharmaceutical preparations	2020-04-07	2020-039356	2020-10-23	6307942	10/23/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0108JP	
レスキリス ZELVIVS white katana transliteration	Registration	Japan	Registered	ABT Holding Company	5- Stem cells for medical purposes, pharmaceutical preparations	2020-04-07	2020-039357	2020-10-23	6307943	10/23/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0108JP	
セルビリス ZELVIVS green katana transliteration	Registration	Japan	Registered	ABT Holding Company	5- Stem cells for medical purposes, pharmaceutical preparations	2020-04-07	2020-039354	2020-10-23	6307940	10/23/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0108JP	
セルビリス ZELVIVS suggested by Healios katana	Registration	Japan	Registered	ABT Holding Company	5- Stem cells for medical purposes, pharmaceutical preparations	2020-04-07	2020-039353	2020-10-23	6307939	10/23/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0109JP	
セルビリス ZELVIVS white katana transliteration	Registration	Japan	Registered	ABT Holding Company	5- Stem cells for medical purposes, pharmaceutical preparations	2020-04-07	2020-039355	2020-10-23	6307941	10/23/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0110JP	
MAPC	Registration	United Kingdom	Registered	ABT Holding Company	1- Stem cells for research purposes; stem cells for research or scientific purposes; stem cells other than for medical or veterinary purposes; stem cells for clinical, medical, scientific or laboratory research. 5- Pharmaceutical and veterinary preparations; medical and veterinary preparations and articles; live organs and tissues for surgical purposes; stem cells; stem cells for medical purposes; stem cells for veterinary purposes; surgical implants grown from stem cells [living tissue]; stem cells for clinical, medical or pharmaceutical use; stem cells for regenerative clinical, medical or pharmaceutical use 42- Medical and pharmacological research services;	2015-02-26	913775317	2015-12-24	UK00913775317	02/26/2025	RENEWAL DEADLINE - Renewal		ABHT0111UK	



MARC	Registration	European Union	Registered	ABT Holding Company	1- Stem cells for research purposes; stem cells for research or scientific purposes; stem cells other than for medical or veterinary purposes; stem cells for clinical, medical, scientific or laboratory research.	2015-02-26	013775317	2015-12-24	013775317	02/26/2025	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0112EU	
MARC	Registration	United States of America	Registered	ABT Holding Company	1- Stem cells for scientific and medical research use	2011-11-22	851,478,690	2013-09-03	4398869	03/03/2024	RENEWAL GRACE PERIOD - Renewal - FINAL	Ⓢ	ABHT0113US	
MULTITEM	Registration	United Kingdom	Registered	ABT Holding Company	1- Stem cells for medical, scientific or laboratory research.	2006-01-26	904858684	2007-01-30	UM00904858684	01/26/2026	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0114UK	
MULTITEM	Registration	European Union	Registered	ABT Holding Company	1- Stem cells for medical, scientific or laboratory research.	2006-01-26	004858684	2007-01-30	004858684	01/26/2026	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0115EU	
MULTITEM	Registration	Australia	Registered	ABT Holding Company	1- Stem cells	2006-01-27	1097134	2006-01-27	1097134	01/27/2026	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0116AU	
MULTITEM	Registration	Canada	Registered	ABT Holding Company	1- Stem cells for scientific and medical research use.	2006-01-26	1287349	2007-10-26	TM4695987	10/26/2032	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0117CA	


MULTISTEM	Registration	Canada	Registered	ABT Holding Company	5- Stem cells for medical and clinical uses. Stem cells for pharmaceutical purposes; Pharmaceutical compositions comprising stem cells for the treatment of ophthalmological diseases, disorders, conditions and injuries; pharmaceutical compositions comprising stem cells for the treatment of pulmonary diseases, disorders, conditions and injuries, namely, acute respiratory distress; Pharmaceutical compositions comprising stem cells for the treatment of neurological diseases, disorders, conditions and injuries, namely ischemic stroke, traumatic brain injury, neonatal hypoxic ischemia, spinal cord injury, multiple sclerosis; Parkinson's disease and hemorrhagic stroke; Pharmaceutical compositions comprising stem cells for the treatment of cardiovascular diseases, disorders, conditions and injuries; Pharmaceutical compositions comprising stem cells for the treatment of orthopedic diseases, disorders, conditions and injuries; Pharmaceutical compositions comprising stem cells for the treatment of inflammatory and immune diseases, disorders, conditions and injuries namely, inflammatory bowel disease, graft-versus-host disease, autoimmune disease, blood and immune system disorders; Pharmaceutical compositions comprising stem cells for use in solid organ transplantation and wound healing.	2017-05-16	1837853	2019-09-09	TM/1053116	09/09/2019	RENEWAL DEADLINE - Renewal		ABHT0118CA	
MULTISTEM	Registration	Japan	Registered	ABT Holding Company	1- Stem cells (except for the thing for medical application and the departments of a veterinarian)	2006-01-26	2006-005653	2006-09-22	4989967	09/22/2016	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0119JP	
MULTISTEM	Registration	Korea, Republic of (KR)	Registered	ABT Holding Company	1- stem cells other than for medical or veterinary purposes	2012-06-29	40-2012-41831	2013-07-15	40-982267	07/15/2013	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0120KR	
MULTISTEM	Registration	Korea, Republic of (KR)	Registered	ABT Holding Company	5- stem cells for medical purposes, stem cells for veterinary purposes, pharmaceutical and veterinary preparations	2015-05-12	40-2015-0037829	2017-09-08	4012841720000	09/08/2017	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0121KR	
MULTISTEM	Registration	New Zealand	Registered	ABT Holding Company	5- stem cells	2006-01-26	742010	2006-10-12	742010	07/27/2015	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0122NZ	
MULTISTEM	Registration	United States of America	Registered	ABT Holding Company	1- Stem cells for scientific and medical research use	2005-07-27	767643,756	2006-08-29	3134781	08/29/2016	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0123US	
MULTISTEM	Registration	Brazil	Registered	ABT Holding Company	1- Stem cells	2012-06-30	840167970	2015-06-16	840167970	06/16/2015	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0124BR	
MULTISTEM	Registration	United States of America	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries; solid organ transplantation and wound healing	2017-05-01	877432,116	2017-11-21	5340278	11/21/2013	SECTION 8 AND 15 DEADLINE	Ⓢ	ABHT0125US	

MULTISTEM	Registration	Brazil	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries, solid organ transplantation and wound healing	2017-05-19	912749008	2018-11-06	912749008	11/06/2028	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT01268R	
MULTISTEM	Registration	China	Registered	ABT Holding Company	1- Stem cells for non medical and non veterinary use.	2012-05-08	11042692.1	2013-10-21	11042692	04/20/2024	RENEWAL GRACE PERIOD - Renewal - FINAL	Ⓢ	ABHT01270N	
MULTISTEM	Registration	International	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries, solid organ transplantation and wound healing.	2017-05-09	1356636	2017-05-09	1356636	05/09/2027	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0128W0	
MULTISTEM	Registration	Australia	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries, solid organ transplantation and wound healing	2017-05-09	1860144	2018-03-26	1860144	05/09/2027	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0128W0AU	
MULTISTEM	Registration	China	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries, solid organ transplantation and wound healing.	2017-05-09	1356636	2017-05-09	8742116	05/08/2027	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0128W0CN	
MULTISTEM	Registration	European Union	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries, solid organ transplantation and wound healing.	2017-05-09	1356636	2017-05-09	1356636	05/09/2027	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0128W0EU	
MULTISTEM	Registration	United Kingdom	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, orthopedic, inflammatory and immune diseases, disorders, conditions and injuries, solid organ transplantation and wound healing.	2017-05-09	UK00801356636	2017-12-22	UK00801356636	05/09/2027	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0129UK	
PAGE	Registration	United States of America	Registered	ABT Holding Company	1- Cells for scientific, laboratory and medical research, the cells having genetic characteristics that render the cells useful in the development of therapeutic and diagnostic compounds, that render the cells useful in the discovery of medically relevant genes, and that render the cells useful in the development of data for drug modeling	2004-04-06	787585.359	2006-10-17	3153427	10/17/2026	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0129US	



REGCAN	Registration	United Kingdom	Registered	ABT Holding Company	5- Stem cells for medical purposes; Stem cells for veterinary purposes; Stem cells for clinical, medical or pharmaceutical use; stem cells for regenerative clinical, medical or pharmaceutical use.	2017-02-17	916384752	2018-05-07	UK0916384752	02/17/2027	RENEWAL DEADLINE - Renewal	®	ABHT10131UK
REGCAN	Registration	European Union	Registered	ABT Holding Company	5- Stem cells for medical purposes; Stem cells for veterinary purposes; Stem cells for clinical, medical or pharmaceutical use; stem cells for regenerative clinical, medical or pharmaceutical use.	2017-02-17	016384752	2018-05-07	016384752	02/17/2027	RENEWAL DEADLINE - Renewal	®	ABHT10132EU
REGCAN	Registration	Canada	Registered	ABT Holding Company	5- Stem cells for medical purposes; stem cells for veterinary purposes; stem cells for clinical, medical or pharmaceutical use; stem cells for regenerative clinical, medical or pharmaceutical use	2017-02-16	1823162	2019-09-09	TMA1083214	09/09/2029	RENEWAL DEADLINE - Renewal	®	ABHT10133CA
REGCAN	Registration	Australia	Registered	ABT Holding Company	5- Stem cells for medical purposes; stem cells for veterinary purposes; stem cells for clinical, medical or pharmaceutical use; stem cells for regenerative clinical, medical or pharmaceutical use	2017-02-20	1826961	2017-02-20	1826961	02/20/2027	RENEWAL DEADLINE - Renewal	®	ABHT10134AU
REGCAN	Registration	Japan	Registered	ABT Holding Company	5- Stem cells for medical purposes; stem cells for veterinary purposes; stem cells for clinical, medical or pharmaceutical use; stem cells for regenerative clinical, medical or pharmaceutical use	2017-02-23	2017-039744	2018-02-16	6020478	02/16/2028	RENEWAL DEADLINE - Renewal	®	ABHT10135JP
REGCAN	Registration	United States of America	Allowed	ABT Holding Company	1- stem cells for clinical research or laboratory or pharmaceutical research or laboratory or manufacturing use; stem cells for regenerative clinical research or laboratory or pharmaceutical research or laboratory or manufacturing use 5- stem cells for medical purposes; stem cells for veterinary purposes; stem cells for regenerative clinical use; stem cells for medical use	2019-12-17	901380902			09/22/2024	STATEMENT OF USE OR 4TH (24MO) EXTENSION DEADLINE	TM	ABHT10137US
REGGENS	Registration	United Kingdom	Registered	ABT Holding Company	1- Stem cells for scientific, laboratory and medical research; The cells having genetic characteristics that render the cells useful in the development of therapeutic and diagnostic compounds; and that render the cells useful in the discovery of medically relevant genes. 42- Clinical and scientific research directed to developing cells having genetic characteristics that are useful in the development of Therapeutic and diagnostic compounds; clinical and scientific research directed to the development of compounds for therapy and diagnosis; and clinical and scientific research directed to the discovery of medically relevant genes.	2007-05-04	905874748	2008-05-02	UK0905874748	05/04/2027	RENEWAL DEADLINE - Renewal	®	ABHT10138UK
REGGENS	Registration	European Union	Registered	ABT Holding Company	1- Stem cells for scientific, laboratory and medical research; The cells having genetic characteristics that render the cells useful in the development of therapeutic and diagnostic compounds; and that render the cells useful in the discovery of medically relevant genes.	2007-05-04	005874748	2008-05-02	005874748	05/04/2027	RENEWAL DEADLINE - Renewal	®	ABHT10139EU

REGGENS5	Registration	United States of America	Registered	ABT Holding Company	42- clinical and scientific research directed to developing cells having genetic characteristics that are useful in the development of therapeutic and diagnostic compounds; clinical and scientific research directed to the development of compounds for therapy and diagnosis; and clinical and scientific research directed to the discovery of medically relevant genes	2013-06-04	85/949,855	2014-01-14	4465330	01/14/2024	RENEWAL DEADLINE - Renewal	Ⓢ	ABT10141US
REGGENS	Registration	United States of America	Registered	ABT Holding Company	42- clinical and scientific research of stem cells for veterinary use; scientific, medical and clinical research of pharmaceutical compositions comprising stem cells for veterinary use; Scientific, medical and clinical research of stem cells for medical or clinical use; scientific, medical and clinical research of pharmaceutical compositions comprising stem cells; extracting, processing, growing and inserting stem cells in the context of clinical, medical and scientific research	2017-05-24	87/462,946	2018-03-06	5413880	3/6/2024	SECTION 8 AND 15 DEADLINE	Ⓢ	ABT10142US
RECOVER	Registration	United Kingdom	Registered	Regenevys BVBA	5- Stem cells for veterinary use; Stem cells for regenerative veterinary use. 42- Scientific and technological services; Research, in particular clinical, medical and veterinary research in the field of stem cells. 44- Medical services; Extracting, processing, growing and inserting stem cells in the context of medical or veterinary treatments; Provision of information relating to the aforesaid services.	2012-08-23	UK0091135761	2015-04-01	UK0091135761	08/22/2032	RENEWAL DEADLINE - Renewal	Ⓢ	ABT10143UK
RECOVER	Registration	European Union	Registered	Regenevys BVBA	5- Stem cells for veterinary use; Stem cells for regenerative veterinary use. 42- Scientific and technological services; Research, in particular clinical, medical and veterinary research in the field of stem cells. 44- Medical services; Extracting, processing, growing and inserting stem cells in the context of medical or veterinary treatments; Provision of information relating to the aforesaid services.	2012-08-23	01135761	2015-04-01	01135761	08/23/2032	RENEWAL DEADLINE - Renewal	Ⓢ	ABT10144EU
RECOVER	Registration	Japan	Registered	Regenevys BVBA	5- The enzyme for the stem cells the stem cells medical application and for medicine, or for the departments of a veterinarian, the object for regeneration medicine for - medicines, or for the departments of a veterinarian, stem cells (except for the thing for research or for science), pharmaceutical preparations, medical application, or the departments of a veterinarian 42- Scientific and clinical and medical care about technical research and development and stem cells And an examination and inspection of the department of a veterinarian or research, clinical (other) and medical care and an examination and inspection of the department of a veterinarian Or research, drugs and cosmetics Or an examination and inspection of foodstuffs Or research, construction Or offer of the information about the research on town planning, testing or research on prevention of pollution, testing or research on electricity, testing or research on civil engineering, testing, inspection or research on agriculture, livestock breeding or fisheries, testing or research on machines (apparatus and instruments), scientific or medical care research and development, and this	2014-09-17	20144078388	2015-04-03	5755999	04/03/2025	RENEWAL DEADLINE - Renewal	Ⓢ	ABT10145JP

RECOVER		Registration	Japan	Registered	Regenerative BVBA	44 - Medical practice or medical care, extraction, processing and culture of stem cells and the medical practice and medical care about insertion treatment and the department; therapy of a veterinarian, removal and the therapy of stem cells and the medical practice about processing of medical care, medical practice or offer of the information about medical care, extraction, processing and culture of stem cells and the medical practice and medical care about insertion treatment and offer of the information about the department; therapy of a veterinarian, removal and the therapy of stem cells And the medical practice about processing or consulting about offer of the information about medical care, providing medical information, physical examination, advisory services, preparation and dispensing of medications, veterinary services, and this, offer of information, massage and therapeutic Shiatsu massage, chiropractic, moxibustion, treatment for delicate joints, sprain, bone fractures or the line (judo-setsu), a beam, dietary and nutritional guidance, animal breeding, beautification for animals, nursing care	2014-09-17	2014-07-28-89	2015-04-03	5756000	04/03/2025	RENEWAL DEADLINE - Renewal	Ⓢ	ARHT0246P	
RECOVER		Registration	United States of America	Registered	Regenerative BVBA	42 - Scientific and clinical and medical care about 5 - stem cells for veterinary use; stem cells for regenerative veterinary use 42 - Scientific and technological services, namely, medical research, research, in particular clinical, medical and veterinary research in the field of stem cells	2018-10-02	88/139.946	2023-04-11	7021389	4/11/2029	SECTION 8 AND 15 DEADLINE	Ⓢ	ARHT0246US	
RECOVER & Design		Registration	European Union	Registered	Regenerative BVBA	5 - Stem cells for veterinary use; stem cells for regenerative veterinary use. 42 - Scientific and technological services; Research, in particular clinical, medical and veterinary research in the field of stem cells. 44 - Medical services; Extracting, processing, growing and inserting stem cells in the context of medical or veterinary treatments; Provision of information relating to the aforesaid services.	2012-08-30	011153244	2015-03-29	011153244	08/30/2032	RENEWAL DEADLINE - Renewal	Ⓢ	ARHT0246EU	
RECOVER & Design		Registration	United Kingdom	Registered	Regenerative BVBA	5 - Stem cells for veterinary use; stem cells for regenerative veterinary use. 42 - Scientific and technological services; Research, in particular clinical, medical and veterinary research in the field of stem cells. 44 - Medical services; Extracting, processing, growing and inserting stem cells in the context of medical or veterinary treatments; Provision of information relating to the aforesaid services.	2012-08-30	UK0091153244	2015-03-29	UK0091153244	08/30/2032	RENEWAL DEADLINE - Renewal	Ⓢ	ARHT0246UK	

REGOURS & Design		Registration	United States of America	Registered	Regeneris BVBA	5- Stem cells for veterinary use; stem cells for regenerative veterinary use	2018-10-02	887,139,976	2023-04-11	7021380	04/11/2023	SECTION 8 AND 15 DEADLINE	Ⓢ	ABHT101530US	
REGOURS		Registration	Japan	Registered	ABT Holding Company	5- The medicine comprising product containing the medicine compound product containing the stem cells for medical application or clinical, and stem cells, diseases of the nervous system and a circulation-organs disease, inflammation, and the stem cells of an immune disease for therapy, the medicine compound product containing the stem cells for acute disease, an emergency state, emergency injury, an organ transplantation, wound healing, and orthopedics, pharmaceutical preparations	2019-12-13	2019-156314	2021-01-08	6338646	01/08/2021	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT101531JP	
REGOURS		Registration	Japan	Registered	ABT Holding Company	5- Stem cells for medical purposes, medicines for human purposes, medicinal infusions, pharmaceutical preparations	2020-04-07	2020-039352	2020-10-23	6307938	10/23/2020	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT101541JP	
REGOURS		Registration	International	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2020-05-28	1542631	05/28/2020	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT101556WO	
REGOURS		Registration	Australia	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	2107527	2020-12-22	2107527	05/28/2020	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT101560AU	
REGOURS		Registration	Canada	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2021-08-04	TMA1106046	05/28/2020	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT101560CA	
REGOURS		Registration	Switzerland	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2021-06-14	1542631	05/28/2020	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT101560CH	

REGOURS		Registration	China	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2020-05-28	8871290	05/27/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTT0156WOCN	
REGOURS		Registration	European Union	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2020-05-28	1542631	05/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTT0156W0EU	
REGOURS		Registration	Korea, Republic of (KR)	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2020-05-28	1542631	05/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTT0156W0KR	
REGOURS		Registration	Norway	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2020-05-28	1542631	05/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTT0156W0NO	
REGOURS		Registration	United Kingdom	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2020-05-28	1542631	05/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTT0156W0UK	
REGOURS		Registration	United Kingdom	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-05-28	1542631	2020-05-28	1542631	05/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTT0157UK	
REGOURS		Registration	United States of America	Registered	ABT Holding Company	42- Clinical and scientific research directed to developing cells having genetic characteristics that are useful in the development of therapeutic and diagnostic compounds; clinical and scientific research directed to the development of compounds for therapy and diagnosis; and clinical and scientific research directed to the discovery of medically relevant genes	2014-09-09	887389,705	2015-10-27	4,339,632	10/27/2015	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTT0161US	


REG REGENESIS BVBA & Design		Registration	United Kingdom	Registered	Regeneron BVBA	1 - Cells for scientific, laboratory and medical research, the cells having genetic characteristics that render the cells useful in the development of therapeutic and diagnostic compounds, and that render the cells useful in the discovery of medically relevant genes. 5 - Stem cells. 42 - Clinical and scientific research directed to developing cells having genetic characteristics that are useful in the development of therapeutic and diagnostic compounds; clinical and scientific research directed to the development of compounds for therapy and diagnosis; and clinical and scientific research directed to the discovery of medically relevant genes.	2014-09-12	91329883	2015-06-18	UK0091329883	09/12/2024	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT10163UJ	
REG REGENESIS BVBA & Design		Registration	European Union	Registered	ABT Holding Company	1 - Cells for scientific, laboratory and medical research, the cells having genetic characteristics that render the cells useful in the development of therapeutic and diagnostic compounds, and that render the cells useful in the discovery of medically relevant genes. 5 - Stem cells. 42 - Clinical and scientific research directed to developing cells having genetic characteristics that are useful in the development of therapeutic and diagnostic compounds; clinical and scientific research directed to the development of compounds for therapy and diagnosis; and clinical and scientific research directed to the discovery of medically relevant genes.	2014-09-12	013249883	2015-06-18	013249883	09/12/2024	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT10164EU	
REG REGENESIS BVBA & Design		Registration	United States of America	Registered	ABT Holding Company	42 - Clinical and scientific research of stem cells for veterinary use; scientific, medical and clinical research of pharmaceutical compositions comprising stem cells for veterinary use; Scientific, medical and clinical research of stem cells for medical or clinical use; scientific, medical and clinical research of pharmaceutical compositions comprising stem cells; extracting, processing, growing and inserting stem cells in the context of clinical, medical and scientific research	2017-05-24	877462936	2018-08-07	5356858	08/07/2024	SECTION 8 AND 15 DEADLINE	Ⓢ	ABHT10165US	
SIRU		Registration	United States of America	Allowed	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2017-05-24	90152411			04/06/2024	STATEMENT OF USE DEADLINE-FINAL	TM	ABHT10172US	

SIFU	Registration	International	Registered	ABT Holding Company	10- Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11- Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2021-02-24	1596036	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTOT17AWOAU	
SIFU	Registration	Australia	Registered	ABT Holding Company	10- Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; 11- Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields;	2021-02-24	2185583	2021-08-30	2185583	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABHTOT17AWOAU	
SIFU	Registration	Canada	Registered	ABT Holding Company	10- Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11- Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2023-01-11	TM/159624	02/24/2030	Renewal - Renewal - 1 Year Reminder	Ⓢ	ABHTOT17AWOAU	

SIFU	Registration	Switzerland	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2022-04-23	1596036	02/24/2031	RENEWAL DEADLINE - Renewal	ABHT101ZAWOCH	
SIFU	Registration	China	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2021-02-24	1596036	03/22/2024	Status check	ABHT101ZAWOCH	
SIFU	Registration	European Union	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2021-02-24	1596036	02/24/2031	RENEWAL DEADLINE - Renewal	ABHT101ZAWOCH	

SIFU	Registration	Japan	Registered	AST Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2021-02-24	1596036	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ARTHTO1ZAWOKR	
SIFU	Registration	Korea, Republic of (KR)	Registered	AST Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2021-02-24	1596036	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ARTHTO1ZAWOKR	
SIFU	Registration	Norway	Registered	AST Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2021-02-24	1596036	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ARTHTO1ZAWOKR	

SIFU		Registration	United Kingdom	Registered	A&T Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596036	2021-02-24	1596036	02/24/2031	RENEWAL DEADLINE - RENEWAL	Ⓢ	A&T1017ANOUK	
SIFU & Design		Registration	United States of America	Registered	A&T Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2019-05-10	881425,115	2023-08-15	7139342	08/15/2029	SECTION 8 AND 15 DEADLINE	Ⓢ	A&T1017ZOUS	
SIFU & Design		Registration	International	Registered	A&T Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	1506165	2019-11-08	1506165	11/08/2029	RENEWAL DEADLINE - RENEWAL	Ⓢ	A&T1017WIO	




SIFU & Design		Registration	Australia	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	2060789	2020-06-22	2060789	11/08/2029	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10177W0CA	
SIFU & Design		Registration	Canada	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	1506165	2021-09-01	TM41103249	11/08/2029	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10177W0CA	
SIFU & Design		Registration	Switzerland	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	1506165	2020-11-11	1506165	11/08/2029	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10177W0CH	
SIFU & Design		Registration	European Union	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	1506165	2019-11-08	1506165	11/08/2029	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10177W0EU	




SIFU & Design		Registration	Japan	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	1506165	2019-11-08	1506165	11/08/2029	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10177W01P	
SIFU & Design		Registration (KR)	Korea, Republic of	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	1506165	2019-11-08	1506165	11/08/2029	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10177W01R	
SIFU & Design		Registration	Norway	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	1506165	2019-11-08	1506165	11/08/2029	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10177W01O	
SIFU & Design		Registration	United Kingdom	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products. 11 - Cryogenic system for pharmaceutical and biologic product storage use; cryogenic refrigerators for medical use; cryogenic freezers for medical storage purposes; freezers for cryogenic preservation for use in medical and hospital fields.	2019-11-08	1506165	2019-11-08	1506165	11/08/2029	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10177W01K	



SIFU & Design		Registration	United Kingdom	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes; Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a storage and dispensing device for cryogenic storage and preserving thawing and dispensing of pharmaceutical and biologic products.	2019-11-08	40091493	2019-11-08	060801506155	11/08/2019	RENEWAL DEADLINE - Renewal	®	ABT10178UK	
SIFU and chinese characters C.10	SIFU 司福	Registration	China	Registered	ABT Holding Company	10 - Medical apparatus and instruments	2020-06-22	47474012-10	2021-03-28	47474012	03/27/2031	RENEWAL DEADLINE - Renewal	®	ABT10178CN	
SIFU and chinese characters C.11	SIFU 司福	Registration	China	Registered	ABT Holding Company	11 - Refrigerators, cooling apparatus and freezers for medical storage purposes, refrigerating apparatus and machines, refrigerating cabinets, cooling installations and machines, cooling appliances and installations, refrigerating appliances and installations, freezers	2020-06-22	47469651-11	2021-03-28	47469651	03/27/2031	RENEWAL DEADLINE - Renewal	®	ABT10180CN	
SIFU Chinese Characters (Class 10) SECURE INTEGRATED FREEZER UNIT	司福司福司福司福司福司福	Registration	China	Registered	ABT Holding Company	10 - Medical apparatus and instruments	2021-09-10	59148835	2022-03-07	59148835	03/06/2032	RENEWAL DEADLINE - Renewal	®	ABT10183CN	
SIFU Chinese Characters (Class 11) SECURE INTEGRATED FREEZER UNIT	司福司福司福司福司福司福	Registration	China	Registered	ABT Holding Company	11 - Refrigerators, cooling apparatus and freezers for medical storage purposes, refrigerating apparatus and machines, refrigerating cabinets, cooling installations and machines, cooling appliances and installations, refrigerating appliances and installations, freezers	2021-09-10	59133689	2022-03-07	59133689	03/06/2032	RENEWAL DEADLINE - Renewal	®	ABT10182CN	
SIFU SECURE INTEGRATED FREEZER UNIT		Registration	United States of America	Allowed	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Freezers for cryogenic storage for use in medical and hospital fields	2020-09-01	907152283			12/22/2023	STATEMENT OF USE OR 5TH (30MO) EXTENSION DEADLINE		ABT10183US	





SITU SCORE INTEGRATED FREEZER UNIT	Registration	International	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; Cryogenic freezers for use in medical and hospital fields	2021-02-24	1596239	2021-02-24	1596239	02/24/2031	RENEWAL DEADLINE - Renewal	ABT1028AW0P	
SITU SCORE INTEGRATED FREEZER UNIT	Registration	Australia	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; cryogenic freezers for use in medical and hospital fields.	2021-02-24	2185530	2021-08-30	2185530	02/24/2031	RENEWAL DEADLINE - Renewal	ABT1028AW0AU	
SITU SCORE INTEGRATED FREEZER UNIT	Registration	Japan	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; cryogenic freezers for use in medical and hospital fields	2021-02-24	1596239	2021-02-24	1596239	02/24/2031	RENEWAL DEADLINE - Renewal	ABT1028AW0JP	

SIFU SECURE INTEGRATED FREEZER UNIT	Registration	Korea, Republic of (KR)	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; cryogenic freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596239	2021-02-24	1596239	02/24/2031	RENEWAL DEADLINE - Renewal	®	ABHT1018AWOLUK	
SIFU SECURE INTEGRATED FREEZER UNIT	Registration	United Kingdom	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields	2021-02-24	1596239	2021-02-24	1596239	02/24/2031	RENEWAL DEADLINE - Renewal	®	ABHT1018AWOLUK	
SIFU SECURE INTEGRATED FREEZER UNIT & Design	Registration	United States of America	Allowed	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; Cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; Cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; Cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields	2020-10-07	90739743			12/22/2023	STATEMENT OF USE OR 5TH (30MO) EXTENSION DEADLINE	TM	ABHT101880US	

SIFU SECURE INTEGRATED FREEZER UNIT & Design	 Scott Lussansky-Freeman Ltd	Registration	International	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	1596132	2021-02-24	1596132	02/24/2031	RENEWAL DEADLINE - Renewal	ABHT0137WQAU	
SIFU SECURE INTEGRATED FREEZER UNIT & Design	 Scott Lussansky-Freeman Ltd	Registration	Australia	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	2183587	2021-08-30	2183587	02/24/2031	RENEWAL DEADLINE - Renewal	ABHT0137WQAU	
SIFU SECURE INTEGRATED FREEZER UNIT & Design	 Scott Lussansky-Freeman Ltd	Registration	Canada	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	1596132	2023-01-11	TMA1160523	02/24/2030	Renewal - Renewal - 1 year Reminder	ABHT0137WQCA	

SIFU SCORE INTEGRATED FREEZER UNIT & Design		Registration	Switzerland	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	1596132	2022-04-23	1596132	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0187WOCN	
SIFU SCORE INTEGRATED FREEZER UNIT & Design		Registration	China	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	1596132	2021-02-24	1596132	03/22/2024	Status check	Ⓢ	ABHT0187WOCN	
SIFU SCORE INTEGRATED FREEZER UNIT & Design		Registration	European Union	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	1596132	2021-02-24	1596132	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0187WOCU	

SIFU SECURE INTEGRATED FREEZER UNIT & Design	 Sook Ilwanup Patent Ltd	Registration	Japan	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	1596132	2021-02-24	1596132	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABT10187WOKR	
SIFU SECURE INTEGRATED FREEZER UNIT & Design	 Sook Ilwanup Patent Ltd	Registration	Korea, Republic of (KR)	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	1596132	2021-02-24	1596132	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABT10187WOKR	
SIFU SECURE INTEGRATED FREEZER UNIT & Design	 Sook Ilwanup Patent Ltd	Registration	Norway	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes. 11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-02-24	1596132	2021-02-24	1596132	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABT10187WONO	

SIFU SECURE INTEGRATED FREEZER UNIT & Design		Registration	United Kingdom	Registered	ABT Holding Company	10 - Medical machines, namely, medical apparatus in the nature of a cryogenic storage and delivery apparatus specially adapted for cryogenic freezing, thawing and dispensing biologic product for medical purposes.	2021-02-24	1596132	2021-02-24	1596132	02/24/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10137C/DK	
		Registration	Switzerland	Registered	ABT Holding Company	11 - Cryogenic system for medical purposes for use in hospital pharmacies in the nature of a medical freezer for cooling, storage and dispensing device for cryogenic storing and preserving, thawing and dispensing of pharmaceutical and biologic products; cryogenic system for pharmaceutical and biologic product storage use, namely, a cooling apparatus for medical storage purposes; cryogenic refrigerators for medical use, namely, cryogenic refrigeration and heating apparatus for freezing, storage, thawing and dispensing purposes; cryogenic freezers for medical storage purposes; freezers for cryogenic storage for use in medical and hospital fields.	2021-03-01	031177/2021	2021-11-25	772817	03/01/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10139Z/CH	
VLOGO		Registration	European Union	Registered	ABT Holding Company	5 - Stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics	2021-03-01	18411832	2021-08-10	018411832	03/01/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10153E/UK	
VLOGO		Registration	Norway	Registered	ABT Holding Company	5 - Stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics	2021-03-01	202102631	2021-08-12	317057	03/01/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10154M/NO	
VLOGO		Registration	Japan	Registered	ABT Holding Company	5 - Stem cells for medical purposes, medicines for human purposes, medicinal infusions, pharmaceutical preparations (other than for agricultural purposes)	2021-03-01	2021-023371	2021-08-23	6432553	08/23/2031	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH10155P	

V/LOGO		Registration	Canada	Application	A8T Holding Company	5-Genex Stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics	2021-03-01	2088128					10/01/2023	Status check		A8T10196CA	
V/LOGO		Registration	Australia	Registered	A8T Holding Company	5-stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics	2021-03-01	2159505	2021-03-01	2159505			03/01/2031	RENEWAL DEADLINE - Renewal		A8T10197AU	
V/LOGO		Registration	United Kingdom	Registered	A8T Holding Company	5-stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics	2021-03-01	3602645	2021-07-02	3602645			03/01/2031	RENEWAL DEADLINE - Renewal		A8T10198UK	
V/LOGO		Registration	Korea, Republic of (KR)	Registered	A8T Holding Company	5-stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics	2021-03-02	40-2021-40828	2022-09-19	40-1910851			09/19/2031	Renewal - Renewal - 1 year Reminder		A8T10199KR	
V/LOGO		Registration	United States of America	Allowed	A8T Holding Company	5-stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics	2021-03-01	90752430					03/28/2024	STATEMENT OF USE OR 5TH (30MO) EXTENSION DEADLINE		A8T10201US	


ZELMINDS	Registration	Japan	Registered	ABT Holding Company	5- The medicine compound product containing the medicine compound product containing the stem cells for medical application or clinical, and stem cells, diseases of the nervous system and a circulation-organs disease, inflammation, and the stem cells of an immune disease for therapy, the medicine compound product containing the stem cells for acute disease, an emergency state, emergency injury, an organ transplantation, wound healing, and orthopedics, pharmaceutical preparations	2019-12-13	2019-156311	2020-11-20	6313440	11/20/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0203JP	
ZELMINDS	Registration	International	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1526682	2020-02-28	1526682	02/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0203WO	
ZELMINDS	Registration	Australia	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	2083388	2021-01-11	2083388	02/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0203AU	
ZELMINDS	Registration	Canada	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1526682	2021-08-25	TMA1107575	02/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0203CA	
ZELMINDS	Registration	Switzerland	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1526682	2021-03-12	1526682	02/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0203CH	

ZELMINDS	Registration	China	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1526682	2020-02-28	1526682	02/27/2030	RENEWAL DEADLINE - Renewal	①	ARHT028W0CN	
ZELMINDS	Registration	European Union	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1526682	2020-02-28	1526682	02/28/2030	RENEWAL DEADLINE - Renewal	①	ARHT028W0EU	
ZELMINDS	Registration	Korea, Republic of (KR)	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1526682	2021-08-18	1526682	02/28/2030	RENEWAL DEADLINE - Renewal	①	ARHT028W0KR	
ZELMINDS	Registration	Norway	Registered	ABT Holding Company	5- stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1526682	2020-02-28	1526682	02/28/2030	RENEWAL DEADLINE - Renewal	①	ARHT028W0NO	
ZELMINDS	Registration	United Kingdom	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1526682	2020-02-28	1526682	02/28/2030	RENEWAL DEADLINE - Renewal	①	ARHT028W0UK	

ZELUVMS	Registration	United Kingdom	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	90153662	2020-09-14	UK0080153662	02/28/2030	RENEWAL DEADLINE - Renewal	®	ABHT0206UK	
ZELUVMS	Registration	United States of America	Allowed	ABT Holding Company	5- stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-10-08	901242800			04/06/2024	STATEMENT OF USE DEADLINE-FINAL	™	ABHT0211US	
ZELUVMS	Registration	Japan	Registered	ABT Holding Company	5- The medicine component product containing the medicine component product containing the stem cells for medical application or clinical, and stem cells, diseases of the nervous system and a circulation-organs disease, inflammation, and the stem cells of an immune disease for therapy, the medicine compound product containing the stem cells for acute disease, an emergency state, emergency injury, an organ transplantation, wound healing, and orthopedics, pharmaceutical preparations	2019-12-13	2019-156308	2020-11-20	6319439	11/20/2030	RENEWAL DEADLINE - Renewal	®	ABHT0212JP	
ZELUVMS	Registration	International	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1536927	2020-02-28	1536927	02/28/2030	RENEWAL DEADLINE - Renewal	®	ABHT0214MO	
ZELUVMS	Registration	Australia	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	2095503	2020-02-28	2095503	02/28/2030	RENEWAL DEADLINE - Renewal	®	ABHT0214OAU	

ZELUVMS	Registration	Canada	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1538927	2021-12-08	TM/115479	02/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH021AWOCH	
ZELUVMS	Registration	Switzerland	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1538927	2021-03-30	1538927	02/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH021AWOCH	
ZELUVMS	Registration	China	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1538927	2020-02-28	1538927	02/27/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH021AWOCH	
ZELUVMS	Registration	European Union	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1538927	2020-02-28	1538927	02/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH021AWOEU	
ZELUVMS	Registration	Korea, Republic of (KR)	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1538927	2020-02-28	1538927	02/28/2030	RENEWAL DEADLINE - Renewal	Ⓢ	ABTH021AWOKR	

ZELUVYS	Registration	Norway	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1536927	2020-02-28	1536927	02/28/2030	RENEWAL DEADLINE - Renewal	®	ABHT021AMONO	
ZELUVYS	Registration	United Kingdom	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	1536927	2020-02-28	1536927	02/28/2030	RENEWAL DEADLINE - Renewal	®	ABHT021AMOUK	
ZELUVYS	Registration	United Kingdom	Registered	ABT Holding Company	5- Stem cells for medical or clinical use; pharmaceutical compositions comprising stem cells; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-02-28	UK00801536927	2020-02-28	UK00801536927	02/28/2030	RENEWAL DEADLINE - Renewal	®	ABHT021EUK	
ZELUVYS	Registration	United States of America	Allowed	ABT Holding Company	5- stem cells for medical or clinical medical use; pharmaceutical compositions comprising stem cells for use in regenerative medicine; pharmaceutical compositions comprising stem cells for the treatment of neurological, cardiovascular, inflammatory and immune diseases, critical care disorders, conditions and injuries, solid organ transplantation, wound healing and orthopedics.	2020-10-08	90/242,780			04/06/2024	STATEMENT OF USE DEADLINE-FINAL	™	ABHT0220US	
ZELUVYS & Design	Registration	China	Registered	ABT Holding Company	5- stem cells for medical purposes; drugs for medical purposes; pharmaceutical preparations	2021-11-08	60377315	2023-05-21	60377315	05/20/2033	RENEWAL DEADLINE - Renewal	®	ABHT0223CN	

V/LOGO		Registration	China	Registered	ABT Holding Company	1- Stem cells, not for medical and veterinary use	2021-12-21	6157322-1	2022-06-21	6157322	06/20/2022	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0222CN	
V/LOGO		Registration	China	Registered	ABT Holding Company	10 - surgical apparatus and instruments; medical apparatus and instruments; syringes for medical purposes; stem cell regeneration equipment for medical purposes; dental apparatus and instruments; radiological apparatus for medical purposes; gloves for medical purposes; mechanical exoskeleton for medical use; crutches for medical use; suture materials	2022-01-07	62015670	2022-07-07	62015670	07/06/2022	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0228CN	
V/LOGO		Registration	China	Registered	ABT Holding Company	44 - Medical assistance; blood bank services; pharmacy advice; therapy services; medical equipment rental; human tissue bank; medical analysis service providing by medical laboratory, for the purpose of diagnosis and treatment	2022-01-07	61596476	2022-07-07	61596476	07/06/2022	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0229CN	
V/LOGO		Registration	China	Registered	ABT Holding Company	42 - scientific research; chemical research; biological research; medical research; clinical trial	2022-01-07	61597853	2022-07-07	61597853	07/06/2022	RENEWAL DEADLINE - Renewal	Ⓢ	ABHT0230CN	

SCHEDULE 3
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