

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT5019793

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	RELEASE OF SECURITY INTEREST

CONVEYING PARTY DATA

Name	Execution Date
HERCULES CAPITAL, INC. (F/K/A HERCULES TECHNOLOGY GROWTH CAPITAL, INC.)	06/22/2018

RECEIVING PARTY DATA

Name:	TRANSMEDICS, INC.
Street Address:	200 MINUTEMAN ROAD, SUITE 302
City:	ANDOVER
State/Country:	MASSACHUSETTS
Postal Code:	01810

PROPERTY NUMBERS Total: 20

Property Type	Number
Application Number:	10640867
Application Number:	11060906
Application Number:	11246919
Application Number:	11246902
Application Number:	11246013
Application Number:	11245957
Application Number:	11246903
Application Number:	11245958
Application Number:	11246905
Application Number:	11822495
Application Number:	11788865
Application Number:	11790405
Application Number:	12099728
Application Number:	12099715
Application Number:	12099725
Application Number:	12099687
Application Number:	12099717
Patent Number:	6100082
Patent Number:	6046046
Patent Number:	6953655

PATENT

CORRESPONDENCE DATA**Fax Number:** (617)526-5000*Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.***Phone:** 617-526-6000**Email:** becky.douglas@wilmerhale.com**Correspondent Name:** BECKY DOUGLAS / WILMERHALE**Address Line 1:** 60 STATE STREET**Address Line 4:** BOSTON, MASSACHUSETTS 02109**ATTORNEY DOCKET NUMBER:** 113441-163**NAME OF SUBMITTER:** BECKY DOUGLAS**SIGNATURE:** /Becky Douglas/**DATE SIGNED:** 06/22/2018**Total Attachments: 12**

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**TERMINATION AND RELEASE OF
SECURITY INTEREST IN
PATENT RIGHTS**

THIS TERMINATION AND RELEASE OF SECURITY INTEREST IN PATENT RIGHTS (this "Termination and Release"), dated as of June 22, 2018, is made by HERCULES CAPITAL, INC. (formerly known as Hercules Technology Growth Capital, Inc.) (the "Secured Party").

WITNESSETH:

WHEREAS, pursuant to each of (i) the Patent Grant of Security Interest dated February 25, 2009 (the "2009 Patent Security Agreement") and (ii) the Patent Grant of Security Interest dated March 16, 2011 (the "2011 Patent Security Agreement" and together with the 2009 Patent Security Agreement, the "Patent Security Agreements"), a lien on and security interest (the "Security Interest") was granted by TRANSMEDICS, INC. (the "Grantor") to the Secured Party in the Patent Collateral (as hereinafter defined);

WHEREAS, the 2009 Patent Security Agreement was recorded in the Patent Division of the United States Patent and Trademark Office on March 9, 2009, at Reel/Frame 022367/0662, and the 2011 Patent Security Agreement was recorded on March 16, 2011, at Reel/Frame 026101/0020; and

WHEREAS, the Secured Party now desires to terminate and release the entirety of its Security Interest in the Patent Collateral listed on Schedule 1 hereto.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, and upon the terms set forth in this Termination and Release, the Secured Party hereby agrees as follows:

1. Definitions. The term "Patent Collateral," as used herein, shall mean all of the Grantor's rights, titles and interests of every kind and nature in, to and under the Patents, Patent applications and proceeds thereof, including without limitation the Patents and Patent applications listed on Schedule 1 hereto and all other Patent Collateral (as defined in each of the Patent Security Agreements). Capitalized terms not defined herein have the meanings set forth in the Patent Security Agreements.

2. Release of Security Interest. The Secured Party, without representation, warranty or recourse, hereby terminates, releases and discharges any and all security interests in the Patent Collateral, including the Patent Collateral listed on Schedule 1 hereto, and any right, title or interest of the Secured Party in such Patent Collateral shall hereby cease and become void.

3. Recordation. The Secured Party authorizes the United States Patent and Trademark Office or any other applicable government authority to record this Termination and Release at the Grantor's expense.

4. Further Assurances. The Secured Party agrees, at the Grantor's expense, to take all further actions, and provide to the Grantor and its successors, assigns and legal

representatives all such cooperation and assistance, including, without limitation, the execution and delivery of any and all further documents or other instruments, as the Grantor and its successors, assigns and legal representatives may reasonably request in order to confirm, effectuate or record this Termination and Release.

5. Execution. Telecopied signatures hereto shall be of the same force and effect as an original of a manually signed copy.

6. Governing Law. **THIS TERMINATION AND RELEASE AND THE RIGHTS AND OBLIGATIONS OF THE PARTIES HEREUNDER SHALL BE GOVERNED BY AND CONSTRUED IN ACCORDANCE WITH THE LAWS OF THE UNITED STATES AND THE STATE OF NEW YORK WITHOUT REFERENCE TO ANY CHOICE OR CONFLICT OF LAW DOCTRINE THAT WOULD RESULT IN THE APPLICATION OF THE LAWS OF ANOTHER JURISDICTION.**

[Signature page follows]

IN WITNESS WHEREOF, the undersigned has executed this Termination and Release of Security Interest in Patent Rights by its duly authorized officer as of the date first above written.

HERCULES CAPITAL, INC.

as the Secured Party

By: _____

Name: Zhuo Huang

Title: Associate General Counsel

Signature Page to Termination and Release of Security Interest in Patent Rights (Hercules)

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PATENT
REEL: 046176 FRAME: 0718

Schedule 1

PATENTS

A. PATENTS AND PATENT APPLICATIONS:

<i>APPLICATION OR PATENT NUMBER PENDING US</i>	<i>ISSUE OR FILING DATE</i>	<i>TITLE</i>	<i>EXPIRATION DATE</i>
10/640,867	8/14/2003	Heart Preservation Chamber	8/14/2023
11/060,906	2/17/2005	Compositions, method and devices for maintaining an organ	9/23/2017
11/246,919	10/7/2005	Systems, methods, compositions and solutions for perfusing an organ	10/7/2025
11/246,902	10/7/2005	Systems and methods for ex-vivo organ care	10/7/2025
11/246,013	10/7/2005	Systems and methods for ex-vivo organ care (disposable perfusion)	10/7/2025
11/245,957	10/7/2005	Systems and methods for ex-vivo organ care (organ chamber)	10/7/2025
11/246,903	10/7/2005	Systems and methods for ex-vivo organ care (blood heater)	10/7/2025
11/245,958	10/7/2005	Systems and methods for ex-vivo organ care (pump)	10/7/2025
11/246,905	10/7/2005	Systems and Methods for Ex-vivo Organ care	10/7/2025
11/822,495	7/6/07	Systems for Monitoring and Applying Electrical Currents in an Organ Perfusion System	7/6/2027
11/788,865	4/19/07	Lung Methods, Perfusion Module	4/19/2027
11/790,405	4/25/07	Systems and methods for ex-vivo organ care and for using lactate as an indication of donor organ status	4/25/2027
12/099,728	04/08/2008	Method and Device that Preserves Lungs Ex Vivo	04/08/2028
12/099,715	04/08/2008	Method and Device that Preserves Lungs Ex Vivo	04/08/2028
12/099,725	04/08/2008	Method and Device that Preserves Lungs Ex Vivo	04/08/2028
12/099,687	04/08/2008	Method and Device that Preserves Lungs Ex Vivo	04/08/2028
12/099,717	04/08/2008	Method and Device that Preserves Lungs Ex Vivo	04/08/2028
<i>PENDING FOREIGN</i>			

554543 New Zealand	10/7/2005	Systems and Methods for ex-vivo organ care	10/07/2025
2007-535847 Japan	10/7/2005	Systems and Methods for ex-vivo organ care	10/07/2025
2584066 Canada	10/7/2005	Systems and Methods for ex vivo organ care	10/07/2025
2005294206 Australia	10/7/2005	Systems and Methods for ex-vivo organ care	10/07/2025
182403 Israel	10/7/2005	Systems and Methods for ex-vivo organ care	10/07/2025
05804187.2 EP	10/7/2005	Systems and Methods for ex-vivo organ care	10/7/2025
200580042038.4 China	10/07/2005	Systems and Methods for ex-vivo organ care	10/07/2025
07109894.1 Hong Kong	9/7/2007	Systems and Methods for ex-vivo organ care	10/07/2025
7755790.8 EP	04/19/2007	Systems and Methods for ex-vivo organ care	04/19/2027
113441.148 CA I Canada	4/19/2007	Systems and Methods for ex-vivo organ care	04/19/2007
194748 Israel	4/19/2007	Systems and Methods for ex-vivo organ care	04/19/2007
PCT/US09/32619 WIPO	01/30/2009	Systems and Methods for Ex Vivo Lung Care	01/30/2029
PCT/US08/061454 WIPO	04/24/2008	Systems and Methods for Ex Vivo Organ Care and for Using Lactate as an Indication of Donor Organ	04/24/2027

APPLICATION OR PATENT NUMBER ISSUED US	ISSUE OR FILING DATE	TITLE
7,131,045 (10/640,687)	8/11/2009	Heart Preservation Chamber
7,651,835 (11/246,905)	1/26/2010	Method of Timing Pulsatile Flow of Normothermic Perfusate to the Heart
PENDING US		
11/246,919	10/7/2005	Systems, methods, compositions and solutions for perfusing an organ
11/246,902	10/7/2005	Systems and methods for ex-vivo organ care
11/246,013	10/7/2005	Systems and methods for ex-vivo organ care (disposable perfusion)
11/245,957	10/7/2005	Systems and methods for ex-vivo organ care (organ chamber)
11/246,903	10/7/2005	Systems and methods for ex-vivo organ care (blood heater)

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11/245,958	10/7/2005	System and methods for ex-vivo organ care (pump)
11/822,495	7/6/07	Systems for Monitoring and Applying Electrical Currents in an Organ Perfusion System
11/788,865	4/19/07	Systems and Methods for Ex Vivo Organ Care
11/790,405	4/25/07	Systems and methods for ex-vivo organ care and for using lactate as an indication of donor organ status
12/099,728	04/08/2008	Systems and Methods for Ex Vivo Lung Care
12/099,715	04/08/2008	Systems and Methods for Ex Vivo Lung Care
12/099,725	04/08/2008	Systems and Methods for Ex Vivo Lung Care
12//099,687	04/08/2008	Systems and Methods for Ex Vivo Lung Care
12/099,717	04/08/2008	Systems and Methods for Ex Vivo Lung Care
FOREIGN		
554543 New Zealand	10/7/2005	Systems and Methods Relating to Organ Care
2007-535847 Japan	10/7/2005	Systems and Methods for ex-vivo organ care
2584066 Canada	10/7/2005	Systems and Methods for ex-vivo organ care
2005294206 Australia	10/7/2005	Systems and Methods for ex-vivo organ care
182403 Israel	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Denmark	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Belgium	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 France	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Germany	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Ireland	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Italy	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 The Netherlands	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Spain	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Sweden	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Great Britain	10/7/2005	Systems and Methods for ex-vivo organ care
1768490 Belgium	10/7/2005	Systems and Methods for ex-vivo organ care
200580042038.4 China	10/07/2005	Systems and Methods for ex-vivo organ care
07109894.1 Hong Kong	9/7/2007	Systems and Methods Relating to Organ Care
7755790.8 EP	04/19/2007	Systems and Methods for ex-vivo organ care
2649703 Canada	4/19/2007	Systems and Methods for ex-vivo organ care
194748 Israel	4/19/2007	Systems and Methods for ex-vivo organ care

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2008/260409 - Australia	4/24/2008	Systems and Methods for Ex-Vivo organ Care Using Lactate as an indication of donor organ status
2685302 Canada	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
2008260409 - Australia	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
2685302 - Canada	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
200880020749.5 - China	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
08795820.3 - Europe	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
11100184.3-Hong Kong	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
201739 - Israel	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
211085 - Israel	10/7/2005	Systems and Methods for Ex-Vivo Organ Care
2010-506499 - Japan	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
580648 – New Zealand	4/24/2008	Systems and Methods for Ex-Vivo Organ Care Using Lactate as an indication of donor organ status
591524 - New Zealand	10/7/2005	Systems and Methods Relating to Organ Preservation
2009212725 - Australia	1/30/2009	Systems and Methods for Ex Vivo Lung Care
2713443 - Canada	1/30/2009	Systems and Methods for Ex Vivo Lung Care
200980110231.5 - China	1/30/2009	Systems and Methods for Ex Vivo Lung Care
09707471.0 - Europe	1/30/2009	Systems and Methods for Ex Vivo Lung Care
207289 - Israel	1/30/2009	Systems and Methods for Ex Vivo Lung Care
586901 – New Zealand	1/30/2009	Systems and Methods for Ex Vivo Lung Care

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2000-512407 - Japan	9/23/1998	Compositions, Methods and Devices for Maintaining an Organ
2010-545201 - Japan	1/30/2009	Systems and Methods for Ex Vivo Lung Care

B. PATENT LICENSES:

APPLICATION OR PATENT NUMBER ISSUED US	DATE LICENSE GRANTED	TITLE	LICENSEE	TERMINATION DATE
6,100,082 (08/936,062)	August 27, 2002	Perfusion apparatus and method including chemical compositions for maintaining an organ	The Department of Veterans Affairs	9/23/2017
6,046,046 (09/054,698)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2017
6,953,655 (09/534.092)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2017
ISSUED FOREIGN				
728,233 Australia	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
E253,819 Austria (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 (EP 1,017,274) Belgium	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Denmark (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Finland (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018

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		organ		
1,017,274 France (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
69819759.3-08 Germany (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 UK (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Ireland (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Italy (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Luxembourg (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Monaco (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintain an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Netherlands (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Portugal (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
2210825 Spain (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274 Sweden (EP 1,017,274)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs	9/23/2018
1,017,274	August 27,	Compositions,	The Department	9/23/2018

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Switzerland (EP 1,017,274)	2002	methods and devices for maintaining an organ	of Veterans Affairs	
PENDING FOREIGN				
2304598 (Canada)	August 27, 2002	Compositions, Methods and Devices for Maintaining an Organ	The Department of Veterans Affairs	9/23/2018
200512407 (Japan)	August 27, 2002	Compositions, Methods and Devices for Maintaining an Organ	The Department of Veterans Affairs	9/23/2018

APPLICATION OR PATENT NUMBER ISSUED US	DATE LICENSE GRANTED	TITLE	LICENSEE
6,100,082 (08/936,062)	August 27, 2002	Perfusion apparatus and method including chemical compositions for maintaining an organ	The Department of Veterans Affairs
6,046,046 (09/054, 698)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
6,953,655 (09/534,092)	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
11/060,906	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
ISSUED FOREIGN			
728,233 Australia	August 27, 2002	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
E253,819 Austria (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Belgium (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Denmark	September 23,	Compositions, methods and	The Department of

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(EP 1,017,274)	1998	devices for maintaining an organ	Veterans Affairs
1,017,274 Finland (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 France (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
69819759.3-08 Germany (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 UK (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Ireland (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Italy (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Luxembourg (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Monaco (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Netherlands (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Portugal (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
2210825 Spain (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintaining an organ	The Department of Veterans Affairs
1,017,274 Sweden (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintain an organ	The Department of Veterans Affairs
1,017,274 Switzerland (EP 1,017,274)	September 23, 1998	Compositions, methods and devices for maintain an organ	The Department of Veterans Affairs
PENDING FOREIGN			
2304598 (Canada)	August 27, 2002	Compositions, Methods and devices for maintain an organ	The Department of Veterans Affairs

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PATENT
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200512407 (Japan)	August 27, 2002	Compositions, Methods and Devices for Maintaining an Organ	The Department of Veterans Affairs
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