

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT4807359

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
BIOTECHTIX, LLC	09/06/2017
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	HERAEUS MEDICAL COMPONENTS LLC
<b>Street Address:</b>	5030 CENTERVILLE ROAD
<b>City:</b>	ST. PAUL
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55127
<b>PROPERTY NUMBERS Total: 5</b>	
<b>Property Type</b>	<b>Number</b>
Patent Number:	9050454
Patent Number:	8577476
Patent Number:	8380306
Patent Number:	8343212
Patent Number:	6132752
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	
<i>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.</i>	
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<b>NAME OF SUBMITTER:</b>	KIM R. JESSUM
<b>SIGNATURE:</b>	/Kim R. Jessum/
<b>DATE SIGNED:</b>	02/02/2018
<b>Total Attachments: 15</b>	
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## PATENT ASSIGNMENT

This Patent Assignment (this "Patent Assignment") is made and delivered on September 6, 2017 by Biotectix, LLC, a Missouri limited liability company (the "Seller"), for the benefit of Heraeus Medical Components LLC, a Delaware limited liability company (the "Purchaser"), under that certain Asset Purchase Agreement, dated September 6, 2017 (the "Purchase Agreement") by and among the Seller, Allied Minds, LLC and the Purchaser. Capitalized terms used but not defined herein will have the meanings ascribed to such terms in the Purchase Agreement.

The Seller has delivered this instrument signed by the Seller to enable the Purchaser to file it with any appropriate Governmental Authority to indicate ownership of Purchased Intellectual Property described below and for the other purposes set forth in this instrument. This instrument supplements and is in addition to all other rights of the Purchaser under the Purchase Agreement and other instruments of transfer delivered in connection with the Purchase Agreement.

NOW, THEREFORE, for good and valuable consideration, receipt of which the Seller acknowledges, and by signing and delivering this instrument, effective as of the Closing and subject to the terms and conditions of the Purchase Agreement, the Seller sells, assigns, transfers, conveys, and delivers to the Purchaser all of the Seller's right, title, and interest in and to the following (collectively, the "Assigned Rights"):

(a) the patents, patent applications and invention disclosures specifically listed on Annex A to this Patent Assignment (collectively, the "Patents"); and

(b) the following properties and rights with respect to all patents and patent applications so listed on Annex A:

(i) the inventions claimed or described in the Patents;

(ii) any patents in the United States and anywhere else in the world and patent applications that have been or may be granted or filed, respectively, with respect to those inventions, including without limitation all foreign patents that may claim priority based on and correspond to the Patents and all rights to file applications, including the right to claim priority under all applicable international treaties, arrangements and agreements (including without limitation the Paris Convention, the Patent Cooperation Treaty (PCT) and TRIPs) to the Patents listed on Annex A;

(iii) all divisions, renewals, reissues, continuations, extensions and continuations-in-part of the foregoing Patents;

(iv) all income, royalties, damages and payments due or payable to the Seller with respect to the Patents, including without limitation unpaid damages and payments for past, present and future infringements of any Patent; and

(v) all rights to sue and recover damages and payments for past, present and future infringements of any of the Patents, including the right to fully and entirely replace the Seller in all related matters.

The foregoing rights in and under the Patents shall apply to the full end of their terms as fully as the Seller would have held the same in the absence of this Patent Assignment. As of the Closing, and except to the extent as otherwise may be set forth in the Purchase Agreement, the Purchaser has

succeeded to all right, title and standing of the Seller to (a) receive all rights and benefits pertaining to the Patents and the Assigned Rights, and (b) commence, prosecute, defend and settle all claims and take all actions that the Purchaser, in its sole discretion, may elect in relation to the Patents. This Patent Assignment (x) is irrevocable and effective upon the Closing, (y) benefits and binds the parties and their respective successors and assigns, and (z) may be signed in counterparts as provided in Article 7 of the Purchase Agreement.

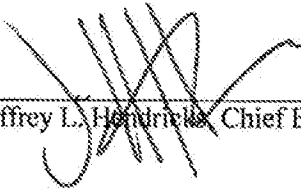
*[Signature page follows]*

The undersigned has signed this Patent Assignment on September 6, 2017.

**SELLER:**

BIOTECTIX, LLC

By:

  
\_\_\_\_\_  
Jeffrey L. Hendricks, Chief Executive Officer

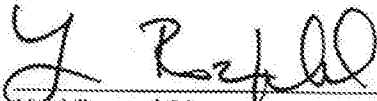
*{Signature Page to Patent Assignment}*

**PATENT**  
**REEL: 044819 FRAME: 0304**

The undersigned has signed this Patent Assignment on September 6, 2017.

**PURCHASER:**

HERAEUS MEDICAL COMPONENTS LLC

By:   
Yuri Rozenfeld  
Head of Regional Center and General Counsel

By: \_\_\_\_\_  
Markus Kaiser  
Global Head of Finance HMC

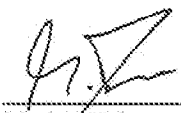
*[Signature Page to Patent Assignment]*

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**PURCHASER:**

HERAEUS MEDICAL COMPONENTS LLC

By: \_\_\_\_\_  
Yuri Rozenfeld  
Head of Regional Center and General Counsel

By:  \_\_\_\_\_  
Markus Kaiser  
Global Head of Finance HMC

*[Signature Page to Patent Assignment]*

**ANNEX A TO PATENT ASSIGNMENT**

**[See attached.]**



See attached schedule of certain Intellectual Property.

OWNED INTELLECTUAL PROPERTY - PATENTS										
Country	Application Number	Filing Date	Publication Number	Publication Date	Patent Number	Issue Date	Status	Expiration Date	Action Due Before March 2018	Due Date
PATENT FAMILY #1 - CONDUCTIVE POLYMER COATINGS FOR THREE DIMENSIONAL SUBSTRATES										
China (People's Republic)	2015SR059651.9	11/18/2015					Pending		REQUEST EXAM (No Extension)	11/19/2017
European Patent Convention	15804235.8	11/18/2015					Pending		ANNUITY DUE (Extendable) RESPONSE TO OFFICE ACTION	11/18/2017 12/28/2017
Japan	2017-527815	11/18/2015					Pending		NONE	
Korea, Republic of	10-2017-7016673	11/18/2015					Pending		NONE	
United States of America	14/984,735	11/18/2015	US-2016-0177109-A1	6/23/2016			Published		NONE	
United States of America	62/081,986	11/19/2014					Expired	11/19/2015	NONE	
Patent Cooperation Treaty	PCT/IB2015/058937	11/18/2015	WO2016/079696	5/26/2016			Published		Chapter II Filing Deadline in Canada (42 mo.)	5/19/2018

Country	Application Number	Filing Date	Publication Number	Publication Date	Patent Number	Issue Date	Status	Expiration Date	Action Due Before	Due Date
PATENT FAMILY #2 - IMPLANTABLE ELECTRODE COMPRISING A CONDUCTIVE POLYMERIC COATING										
Canada	2306139	3/14/2014					Pending	3/14/2034	NONE	
European Patent Convention	14755245.6	3/14/2014	2973605	1/26/2015			Published	3/14/2034	NONE	
United States of America	14/212,689	3/14/2014	US-2014-0277310-A1	9/18/2014			Published		RESPONSE TO OFFICE ACTION (with Maximum 3 mo. Extension)	9/14/2017
									NOTICE OF APPEAL	9/14/2017
United States of America	61/794,058	3/15/2013					Expired	3/15/2014	NONE	
Patent Cooperation Treaty	PCT/US2014/026980	3/14/2014	WO2014/144106	9/18/2014			National Phase Entered		NONE	

Country	Application Number	Filing Date	Publication Number	Publication Date	Patent Number	Issue Date	Status	Expiration Date	Action Due Before March 2018	Due Date
PATENT FAMILY #1 - IMPREGNATION OF A NON-CONDUCTIVE MATERIAL WITH AN INTRINSICALLY CONDUCTIVE POLYMER THROUGH IN-SITU POLYMERIZATION										
European Patent Convention	14797260.8	5/19/2014	2997581	3/23/2016			Published	5/19/2034	RULE 70 RESPONSE ANNUITY DUE (No Extension)	10/24/2017
United States of America	14/891,967	11/17/2015	US-2016-0086685-A1	3/24/2016			Published		RESPONSE TO OFFICE ACTION (with 2 mo. Extension)	9/12/2017
									RESPONSE TO OFFICE ACTION (with Maximum 3 mo. Extension)	10/12/2017
									NOTICE OF APPEAL	10/12/2017
United States of America	61/824,404	5/17/2013					Expired	5/17/2014	NONE	
Patent Cooperation Treaty	PCT/US2014/038630	5/19/2014	WO2014/186802	11/26/2014			National Phase Entered		NONE	

Country	Application Number	Filing Date	Publication Number	Publication Date	Patent Number	Issue Date	Status	Expiration Date	Action Due Before March 2018	Due Date
PATENT FAMILY #4 - ELECTRICALLY CONDUCTIVE AND MECHANICALLY SUPPORTIVE MATERIALS FOR BIOMEDICAL LEADS										
United States of America	13/044,492	3/9/2011	US-2011-0301677-A1	12/8/2011	8577476	11/5/2013	Granted	4/19/2031	1ST MAINTENANCE FEE DUE (with Surcharge; No Extension)	11/5/2017
Patent Cooperation Treaty	PCT/US2011/027783	3/9/2011	WO2011/112742	9/15/2011			National Phase Entered		NONE	
Australia	2011224383	3/9/2011			2011224383	5/15/2014	Granted	3/9/2031	NONE	
United States of America	61/312,241	3/9/2010					Expired	3/9/2011		
United States of America	14/071,065	11/4/2013	US-2014-0052489-A1	2/27/2014	9056454	6/9/2015	Granted	3/9/2031	NONE	

Country	Application Number	Filing Date	Publication Number	Publication Date	Patent Number	Issue Date	Status	Expiration Date	Action Due Before March 2018	Due Date
PATENT FAMILY#5 - ELECTRO-RELEASE SYSTEMS, MODIFIED ELECTRODES AND THEIR USE										
Australia	199805996S	2/3/1998		8/25/1998	723918	9/7/2000	Granted	2/3/2018	NONE	
Australia	200032690	2/3/1998		8/10/2000	736523	7/26/2001	Granted	2/3/2018	NONE	
European Patent Convention	199809031A3	2/3/1998	0959941 A1	12/1/1999	0959941 B1	8/4/2004	Validated in DE, FR, UK	2/3/2018	NONE	
Germany	69825424 A	2/3/1998			69825424 T2	8/11/2005	Granted	2/3/2018	NONE	
France	199809031A3	2/3/1998	959941	12/1/1999	959941	8/4/2004	Granted	2/3/2018	NONE	
United Kingdom	199809031A3	2/3/1998	959941	12/1/1999	0959941 B1	8/4/2004	Granted	2/3/2018	NONE	
Germany	69834444 T3	2/3/1998			69834444	4/12/2007	Granted	2/3/2018	NONE	
France	4008935.9	2/3/1998	1438983A1	7/21/2004	1438983 B1	5/3/2006	Granted	2/3/2018	NONE	
United Kingdom	40089355	2/3/1998	1438983 A1	7/21/2004	1438983	5/3/2006	Granted	2/3/2018	NONE	
United Kingdom	9702277.6	2/4/1997					Abandoned		NONE	
United States Of America	08/921,471	9/2/1997			6132752	10/17/2008	Granted	9/2/2017	NONE	
Patent Cooperation Treaty	PCT/GB1998/00363	2/3/1998	WO-1998-33552	8/9/1998			National Phase Entered		NONE	

Country	Application Number	Filing Date	Publication Number	Publication Date	Patent Number	Issue Date	Status	Expiration Date	Action Due Before March 2018	Due Date
PATENT FAMILY #6 - POLYMER COATINGS ON MEDICAL DEVICES										
European Patent Convention	8750607.7	5/15/2008	2155275	2/24/2010	2155275	9/5/2012	National Phase Entered	5/15/2028	NONE	
Germany	8750607.7	5/15/2008	2155275	2/24/2010	602008018569.9	9/5/2012	Granted	5/15/2028	ANNUITY DUE (No Extension)	11/15/2017
France	8750607.7	5/15/2008	2155275	2/24/2010	2155275	9/5/2012	Granted	5/15/2028	ANNUITY DUE (No Extension)	11/15/2017
United Kingdom	8750607.7	5/15/2008	2155275	2/24/2010	2155275	9/5/2012	Granted	5/15/2028	ANNUITY DUE (No Extension)	11/15/2017
United States of America	12/599,965	11/12/2009	US-20100312331-A1	12/9/2010	8343212	1/1/2013	Granted	2/27/2029	NONE	
PATENT FAMILY #7 - IMPLANTABLE ELECTRODE										
European Patent Convention	11778684.8	7/29/2011	EP2598204	6/5/2013	2598204	9/21/2016	Granted	7/29/2031	NONE	
Germany	11778684.8	7/29/2011	EP2598204	6/5/2013	602011030600.6	9/21/2016	Granted	7/29/2031	ANNUITY DUE (Extendable)	1/29/2018
France	11778684.8	7/29/2011	EP2598204	6/5/2013	2598204	9/21/2016	Granted	7/29/2031	ANNUITY DUE (Extendable)	1/29/2018
United Kingdom	11778684.8	7/29/2011	EP2598204	6/5/2013	2598204	9/21/2016	Granted	7/29/2031	ANNUITY DUE (Extendable)	1/29/2018
United States of America	13/193,866	7/29/2011	US 2012-0029585-A1	2/2/2012	8380306	2/19/2013	Granted	7/31/2031	NONE	
Patent Cooperation Treaty	PCT/182011/002401	7/29/2011					National Phase Entered		NONE	

OWNED INTELLECTUAL PROPERTY - ABANDONED PATENTS									
Country	Application Number	Filing Date	Publication Number	Publication Date	Patent Number	Issue Date	Status	Comments	
PATENT FAMILY #4 - ELECTRICALLY CONDUCTIVE AND MECHANICALLY SUPPORTIVE MATERIALS FOR BIOMEDICAL LEADS									
European Patent Convention	11754031	3/9/2011	2544760	1/16/2013			Abandoned	Irrevocably withdrawn on 11/25/2016 - Does not cover AMPLICOAT or TECTICOAT	
PATENT FAMILY #5 - ELECTRO-RELEASE SYSTEMS, MODIFIED ELECTRODES AND THEIR USE									
United Kingdom	9702277.6	2/4/1997					Abandoned	Priority application; terminated before grant	
European Patent Convention	19980903143	2/3/1998	0959941 A1	12/1/1999	0959941 B1	8/4/2004	Abandoned	See Chameleon agreement Exhibit A. After acquisition, patent was maintained only in SE, FR, UK	
Canada	2278814	2/3/1998			2278814 C	5/1/2007	Abandoned	Lapsed 2/3/2012 - renewal fee not paid	
Canada	2513344	2/3/1998	2513344	8/6/1998	2513344 C	5/12/2009	Abandoned	Lapsed 2/3/2012 - renewal fee not paid	
European Patent Convention	4008955.9	2/3/1998	1438983A1	7/21/2004	1438983 B1	5/3/2006	Abandoned	See Chameleon agreement Exhibit A. After acquisition, patent was maintained only in SE, NL, ES, DE, FR, UK	
PATENT FAMILY #6 - POLYMER COATINGS ON MEDICAL DEVICES									
Canada	2687091	5/15/2008					Abandoned	Lapsed 5/15/2012 - renewal fee not paid	
Japan	2010-507975	5/15/2008	2010-526625	8/5/2010			Abandoned		
United Kingdom	719321.2	10/3/2007					Abandoned	Priority application; terminated before grant	
United Kingdom	709332.1	5/15/2007	2449264	11/19/2008			Abandoned	Priority application; terminated before grant	
PATENT FAMILY #7 - IMPLANTABLE ELECTRODE									
United Kingdom	1012808	7/19/2010					Abandoned	Priority application; terminated before grant	

OWNED INTELLECTUAL PROPERTY - PATENTS JOINTLY OWNED WITH SURMODICS										
Country	Application Number	Filing Date	Publication Number	Publication Date	Patent Number	Issue Date	Status	Expiration Date	Action Due Before	Due Date
PATENT FAMILY #8 - CONDUCTIVE POLYMERIC COATINGS, MEDICAL DEVICES, COATING SOLUTIONS AND METHODS										
Australia	2012911454	8/25/2014					Pending		RESPONSE TO OFFICE ACTION (Extendable)	9/30/2017
European Patent Convention	14772238.3	8/25/2014	3699087	7/6/2016			Published	8/25/2034	NONE	
Israel	244301	8/25/2014					Published		RESPONSE TO OFFICE ACTION (with 4 mo. Extension)	9/5/2017
									SUBMIT PRIOR ART (with 4 mo. Extension)	9/5/2017
									RESPONSE TO OA (final 6 mo. Extension)	11/5/2017
United States of America	14/914,586	2/25/2016	US-2016-0206114-A1	7/21/2016			Published		NONE	
United States of America	61/869,789	8/25/2013					Expired	8/25/2014	NONE	
Patent Cooperation Treaty	PCT/US2014/052542	8/25/2014	WO2015/031265	3/5/2015			National Phase Entered		NONE	



THIRD PARTY INTELLECTUAL PROPERTY

Country	Application Number	Patent Number
SURMODDS PATENTS		
United States of America		6077698
United States of America		6278018
United States of America		6503040
United States of America		6924390
United States of America		7138541
Canada		2393702
Japan		4800538
United States of America		6669994
United States of America		7087658
Japan		4782338
Japan	2010-229101	
Canada		2348398
Germany		1131167
France		1131167
Great Britain		1131167
Italy		1131167