

PATENT ASSIGNMENT COVER SHEET

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Stylesheet Version v1.2

EPAS ID: PAT7308849

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
ST. JUDE MEDICAL SYSTEMS AB	09/23/2014
RECEIVING PARTY DATA	
Name:	ST. JUDE MEDICAL COORDINATION CENTER BVBA
Street Address:	DA VINCILAAAN 11-BOX F1
City:	ZAVENTEM
State/Country:	BELGIUM
Postal Code:	B-1930
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	17733010
CORRESPONDENCE DATA	
Fax Number:	(202)672-5399
<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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Address Line 4:	WASHINGTON, D.C. 20007
ATTORNEY DOCKET NUMBER:	123852-0135
NAME OF SUBMITTER:	EFFIE HALE FOR GLENN LAW
SIGNATURE:	/Effie Hale/
DATE SIGNED:	05/02/2022
Total Attachments: 16	
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PATENT ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned:

St. Jude Medical Systems AB ("SJMS AB"), a corporation organized and existing under the laws of Sweden, having its registered office address at Box 6350, 751 35 Uppsala, Sweden, and registered with the Swedish Companies Registration Office under registration number 556335-1231

("ASSIGNOR") owner of rights in the United States of America and its territories and possessions to various U.S. Patents and patent applications, including but not limited to patents and patent applications that relate to products for physiological assessment, such as pressure guide wire products under the mark PressureWire™, and monitors and accessories, including analyzers under the RadiAnalyzer Xpress™ mark and integrated platforms and components under the QUANTIEN™ mark, and products for hemostatis management, such as products under the FemoSeal™, FemoStop™ and RadiStop™ marks, and related accessories, and all technologies enabled by the preceding ("The Technology"), and including, but not limited to the United States patents and patent applications set forth in the attached Schedule A, and potential future owner of legal title to various U.S. Patents and patent applications that have yet to issue and that are to be assigned pursuant to the Research and Development Services Agreement executed by St. Jude Medical Coordination Center BVBA and ASSIGNOR, effective September 23, 2014 ("the R&D Services Agreement"), does hereby assign, grant, and convey to:

St. Jude Medical Coordination Center BVBA ("SJM BVBA"), a private limited liability company organized under the laws of Belgium, having its registered office at The Corporate Village, Da Vincilaan 11-Box F1, B-1930 Zaventem, Belgium and registered with the Crossroads Bank of Enterprises (*Banque-Carrefour des Entreprises*) under number 0888.256.714 ("ASSIGNEE")

all of ASSIGNOR's right, title and interest in and to:

- (i) each and every United States patent and patent application currently owned by ASSIGNOR, including each and every patent and patent application listed in Schedule A;

- (ii) each and every United States patent and patent application that may issue from, be based on, claim priority to, or be entitled to claim priority to, any United States patent or patent application or any PCT application designating the United States, currently owned by ASSIGNOR, whether set forth in the attached Schedule A or otherwise (inclusive of any reissue and/or reexamination applications thereof), including any United States patent application that derives from, or is based in whole or in part on, any such United States patents, patent applications, or PCT applications designating the United States; and
- (iii) each and every United States patent and patent application obtained, to be obtained, filed, or to be filed by ASSIGNOR that (i) claims subject matter created during the term of the R&D Services Agreement; and (ii) relates to The Technology; including, but not limited to, any United States patents and patent applications set forth in the attached Schedule B;

including all reissues and extensions of said patents.

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St. Jude Medical Systems AB

By: _____
Name: Jason Zellers
Title: Director

Date: September 23, 2014

**St. Jude Medical Coordination Center
BVBA**

By: _____
Name: Dodd Gray
Title: Managing Director

Date: September 23, 2014

Schedule A

Patents Assigned Pursuant To Category (i) and U.S. Patent Applications

Patent No.	Application No.	Filing Date	Inventors
	13/756,752	2/1/2013	Egnelöv , Per , Preinitz , Fredrik
	13/342,456	1/3/2012	Gustafsson , Pär , Hammarström , Ola , von Malmborg , Pär
	11/628,251	12/1/2006	Åkerfeldt , Dan , Egnelöv , Per , Hammarström , Ola , Smith , Leif
	10/935,720	9/8/2004	Svanerudh , Johan
	10/888,510	7/12/2004	Tulkki , Sauli
	13/076,998	3/31/2011	Tenerz , Lars
	11/312,640	12/21/2005	Samuelsson , Magnus , Tulkki , Sauli
	11/413,122	4/28/2006	Smith , Leif , Von Malmborg , Par , During , Erik
	11/886,964	10/22/2007	Bjurström , Johan , Katardjiev , Ilia , Wingqvist , Gunilla
	14/218,017	3/18/2014	Samuelsson , Magnus , Tulkki , Sauli
	11/738,023	4/20/2007	Preinitz , Fredrik
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	12/742,025	5/7/2010	Smith , Leif
	14/458,400	8/13/2014	Tiensuu Stefan
	14/154,900	1/14/2014	Åkerfeldt , Dan
	12/739,290	4/22/2010	von Malmborg , Pär
	12/739,323	10/24/2008	Smith , Leif , von Malmborg , Pär
	12/739,064	4/21/2010	von Malmborg , Pär
	12/261,809	10/30/2008	Jönsson , Mats , Rydberg , Matts , Tiensuu , Stefan
	13/806,380	12/21/2012	Hilmersson , Mats
	13/395,769	3/13/2012	Smith , Leif
	12/480,318	6/8/2009	Atthoff , Björn , Preinitz , Fredrik
	13/262,132	3/30/2010	Hilmersson , Mats
	12/562,364	9/18/2009	Hübinette , Ulrik , Samuelsson , Magnus
	13/505,321	5/1/2012	Mahlin , Fredrik
	13/397,047	2/15/2012	Adenmark , Tobias
	13/517,163	6/19/2012	Adenmark , Tobias
	13/574,937	7/24/2012	Hübinette , Ulrik
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	13/522,638	7/17/2012	Atthoff , Björn , Hansson , Erik , Mahlin , Fredrik , Preinitz , Fredrik
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	14/357,402	5/9/2014	Dekker , Ronald , Henneken , Vincent , Tiensuu , Stefan
	13/695,130	10/29/2012	Mahlin , Fredrik
	13/808,196	6/16/2011	Boye , Shawn
	13/823,063	3/13/2013	Hilmersson , Mats
	13/884,471	5/9/2013	Samuelsson , Magnus
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	13/035,146	2/25/2011	Hansson , Erik , Tilly , Martin , Törnqvist , Erik
	13/661,260	10/26/2012	Svanerudh , Johan
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	14/366,226	6/17/2014	Mellin , Lisa , Törne , Karin
	13/800,142	3/13/2013	Mellin , Lisa , Törne , Karin
	13/804,342	3/14/2013	Ranganathan , Sathees , Norlin-Weissenrider Ann , Hill , Rolf , Hansson , Erik
8854122	13/693,895	12/4/2012	Samuelsson , Magnus
	61/790,997	3/15/2013	Gustafsson , Pär
	61/779,618	3/13/2013	Hill , Rolf , Norlin - Weissenrieder , Anna , Ranganathan , Sathees
	13/801,870	3/13/2013	Tullberg , Mattias , Dahlberg , Mattias
	61/895,616	10/25/2013	Mahlin , Fredrik
	61/975,424	4/4/2014	Lundgren , Fredrik , Veszelei , Eugen
	61/938,320	2/11/2014	Mahlin , Fredrik , Spets , Per
	62/042,448	8/27/2014	Svanerudh , Johan
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RE44297	11/711,176	6/18/1999	Åkerfeldt , Dan , Egnelöv , Per , Preinitz , Fredrik
6503266	09/355,736	2/7/1997	Åkerfeldt , Dan , Egnelöv , Per , Sjögren , Ivar
RE39863	10/224,346	1/30/1997	Smith , Leif
6503266	09/399,097	3/25/1998	Smith , Leif , Tenerz , Lars
6264673	09/424,337	5/20/1998	Åkerfeldt , Dan , Egnelöv , Per
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6106486	08/996,038	12/22/1997	Egnelöv , Per , Tenerz , Lars
6090052	09/047,456	3/25/1998	Åkerfeldt , Dan , Egnelöv , Per
5938624	08/927,677	9/10/1997	Åkerfeldt , Dan , Jensen , Peter
6196980	09/333,031	6/15/1999	Åkerfeldt , Dan , Hammarström , Ola , Jensen , Peter
6409677	09/577,663	5/25/2000	Tulkki , Sauli
6312380	09/219,798	12/23/1998	Benkowski , Per , Hammarström , Ola , Hök , Bertil , Tenerz , Lars , von Malmborg , Pär
6089103	09/073,061	5/6/1998	Smith , Leif
6182513	09/219,794	12/23/1998	Kälvesten , Edvard , Stemme , Göran
6142958	09/349,980	7/9/1999	Benkowski , Per , Hammarström , Ola , Tenerz , Lars , von Malmborg , Pär
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6672172	09/771,703	1/30/2001	Smith , Leif , Tulkki , Sauli
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6461301	09/810,415	3/19/2001	Smith , Leif
6596012	09/836,529	4/18/2001	Åkerfeldt , Dan , Egnelöv , Per , Preinitz , Fredrik
6167763	09/547,733	4/12/2000	Hammarström , Ola , Smith , Leif , Tenerz , Lars
6565514	09/938,312	8/24/2001	Svanerudh , Johan , Tulkki , Sauli
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6508828	09/704,726	11/3/2000	Åkerfeldt , Dan , Egnelöv , Per , Preinitz , Fredrik
6546804	09/733,944	12/12/2000	Kälvesten , Edvard , Stemme , Göran
6682489	10/042,247	1/11/2002	Åkerfeldt , Dan , Tenerz , Lars
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7011636	10/170,415	6/14/2002	Tenerz , Lars
6712837	10/136,469	5/2/2002	Åkerfeldt , Dan , Egnelöv , Per , Preinitz , Fredrik
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6754608	10/152,982	5/23/2002	Smith , Leif , Svanerudh , Johan
6908442	09/986,117	11/7/2001	Gustafsson , Pär , Hammarström , Ola , von Malmborg , Pär
6827727	10/020,495	12/18/2001	Mathisen , Torbjörn , Stålemark , Jan
7011678	10/501,536	7/16/2004	Mathisen , Torbjörn , Tenerz , Lars , von Malmborg , Pär
6517481	09/949,951	9/12/2001	Benkowski , Per , Hammarström , Ola , Hök , Bertil , Tenerz , Lars , von Malmborg , Pär
6786915	10/124,725	4/18/2002	Åkerfeldt , Dan , Egnelöv , Per , Mathisen , Torbjörn , Preinitz , Fredrik
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6939363	10/166,725	6/12/2002	Åkerfeldt , Dan
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7450989	10/551,400	3/3/2004	Svanerudh , Johan
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7021152	10/622,136	7/18/2003	Tenerz , Lars
7044916	10/704,556	11/12/2003	Åkerfeldt , Dan , Tenerz , Lars
7931603	10/580,418	5/22/2006	Düring , Erik , Karlsson , Staffan , von Malmborg , Pär
8403868	13/079,961	4/5/2011	Düring , Erik , Karlsson , Staffan , von Malmborg , Pär
8118831	10/756,764	1/14/2004	Egnelöv , Per , Preinitz , Fredrik
8512372	13/347,188	1/10/2012	Egnelöv , Per , Preinitz , Fredrik
8267959	10/805,486	3/22/2004	Fällman , David
7717929	11/694,496	3/30/2007	Fällman , David
7775992	10/812,914	3/31/2004	Gustafsson , Pär , Hammarström , Ola , von Malmborg , Pär
8109889	12/831,650	7/7/2010	Gustafsson , Pär , Hammarström , Ola , von Malmborg , Pär
7285097	10/798,784	3/12/2004	Åkerfeldt , Dan , Tenerz , Lars
7222539	11/144,624	6/6/2005	Tulkki , Sauli
7645233	11/570,096	12/6/2006	Tenerz , Lars , Tulkki , Sauli
7326088	10/983,904	11/9/2004	Tulkki , Sauli
8088143	10/994,519	11/23/2004	Åkerfeldt , Dan
8308758	10/997,858	11/29/2004	Åkerfeldt , Dan
8105352	11/302,519	12/14/2005	Egnelöv , Per
7445625	11/048,067	2/2/2005	Åkerfeldt , Dan
7263894	11/063,744	2/24/2005	Tenerz , Lars
7931671	11/077,361	3/11/2005	Tenerz , Lars
8323215	11/110,771	4/21/2005	Gustafsson , Pär , Hammarström , Ola , von Malmborg , Pär

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7775988	11/239,675	9/30/2005	Pijls, Nico
8715200	12/839,838	7/20/2010	Pijls, Nico
7331236	11/384,817	3/21/2006	Smith, Leif, Tulkki, Sauli
7343811	11/359,761	2/23/2006	Smith, Leif, Tenerz, Lars
7946997	11/707,278	2/16/2007	Hübinette, Ulrik
8734366	11/483,096	7/10/2006	Egnelöv, Per, Preinitz, Fredrik, Tenerz, Lars
7724148	11/601,853	11/20/2006	Samuelsson, Magnus, Tulkki, Sauli
8174395	12/771,167	4/30/2010	Samuelsson, Magnus, Tulkki, Sauli
8461997	12/771,186	4/30/2010	Samuelsson, Magnus, Tulkki, Sauli
8410940	13/444,487	4/11/2012	Samuelsson, Magnus, Tulkki, Sauli
8698638	13/847,226	3/19/2013	Samuelsson, Magnus, Tulkki, Sauli
7967761	11/607,120	12/1/2006	Smith, Leif
8038628	11/802,766	5/24/2007	Gustafsson, Pär, von Malmborg, Pär
8216151	11/902,805	9/25/2007	Smith, Leif
8641633	13/534,653	6/27/2012	Smith, Leif
7938846	11/767,179	6/22/2007	Adenmark, Tobias, Åkerfeldt, Dan, Lindström, Marie, Smith, Leif
7998089	11/937,123	11/8/2007	Smith, Leif
8652166	11/987,563	11/30/2007	Åkerfeldt, Dan
7472601	11/902,508	9/21/2007	Smith, Leif, Tenerz, Lars
8226578	12/739,284	4/22/2010	von Malmborg, Pär
8551022	13/537,826	6/29/2012	von Malmborg, Pär
8579832	12/739,326	4/22/2010	Smith, Leif, von Malmborg, Pär
8308762	12/921,993	9/10/2010	Mahlin, Fredrik, Preinitz, Fredrik
8469944	12/611,277	11/3/2009	Mahlin, Fredrik
8617088	13/016,120	1/28/2011	Samuelsson, Magnus, van Rens, Antonia Cornelia
8696600	13/016,201	1/28/2011	Samuelsson, Magnus
7073509	10/798,438	3/12/2004	Tenerz, Lars, Akefeldt, Dan
7135032	10/235,859	9/6/2002	Akerfeldt, Dan
	14/206,720	3/12/2014	Ranganathan, Sathees; Norlin-Weissenrieder, Anna; Hill, Rolf
	14/206,696	3/12/2014	Gustafsson, Par
6343514	09/117,416	1/30/1997	Smith, Leif

Schedule B

Patents Assigned Pursuant To Categories (ii) and (iii) and U.S. Patent Applications

U.S. Patents	Inventors

U.S. Patent Applications	Inventors

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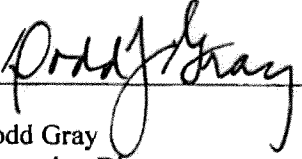
The undersigned hereby grant its representatives before the U.S. Patent and Trademark Office ("Patent Office") the power to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the Patent Office for recordation of this Assignment.

St. Jude Medical Systems AB

By: _____
Name: Jason Zellers
Title: Director

Date: September 23, 2014

**St. Jude Medical Coordination Center
BVBA**

By: 
Name: Dodd Gray
Title: Managing Director

Date: September 23, 2014

Schedule A

Patents Assigned Pursuant To Category (i) and U.S. Patent Applications

Patent No.	Application No.	Filing Date	Inventors
	13/756,752	2/1/2013	Egnelöv , Per , Preinitz , Fredrik
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Schedule B

Patents Assigned Pursuant To Categories (ii) and (iii) and U.S. Patent Applications

U.S. Patents	Inventors

U.S. Patent Applications	Inventors