

## PATENT ASSIGNMENT COVER SHEET

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 Stylesheet Version v1.2

EPAS ID: PAT3680730

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT	
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT	
<b>CONVEYING PARTY DATA</b>		
<b>Name</b>		<b>Execution Date</b>
AGA MEDICAL CORPORATION		12/16/2015
<b>RECEIVING PARTY DATA</b>		
<b>Name:</b>	ST. JUDE MEDICAL, CARDIOLOGY DIVISION, INC.	
<b>Street Address:</b>	177 EAST COUNTY ROAD B	
<b>City:</b>	ST. PAUL	
<b>State/Country:</b>	MINNESOTA	
<b>Postal Code:</b>	55117	
<b>PROPERTY NUMBERS Total: 72</b>		
<b>Property Type</b>	<b>Number</b>	
Patent Number:	5944738	
Patent Number:	6123715	
Patent Number:	6168622	
Patent Number:	6210338	
Patent Number:	6241678	
Patent Number:	6334864	
Patent Number:	6402772	
Patent Number:	6468301	
Patent Number:	6468303	
Patent Number:	6506204	
Patent Number:	6638257	
Patent Number:	7001409	
Patent Number:	8900287	
Patent Number:	8398670	
Application Number:	13618483	
Application Number:	11476947	
Patent Number:	8778008	
Patent Number:	8777974	
Application Number:	14157682	
Application Number:	14282134	

PATENT

Property Type	Number
Application Number:	14593625
Patent Number:	8048147
Patent Number:	8434393
Patent Number:	8651007
Patent Number:	8034061
Patent Number:	8454633
Patent Number:	8961556
Application Number:	14593039
Patent Number:	8361138
Application Number:	11861954
Application Number:	11974398
Application Number:	11966397
Patent Number:	8163004
Patent Number:	8747453
Patent Number:	8313505
Application Number:	12235059
Application Number:	14157692
Application Number:	12367104
Patent Number:	8491649
Application Number:	12179157
Application Number:	12205083
Application Number:	12258899
Application Number:	12208787
Application Number:	12197604
Patent Number:	8940015
Application Number:	12179172
Application Number:	12372854
Application Number:	13018802
Patent Number:	8821529
Patent Number:	8621975
Application Number:	14090820
Application Number:	13072378
Patent Number:	8511214
Patent Number:	8919389
Patent Number:	9039752
Patent Number:	8764787
Patent Number:	9179920
Patent Number:	9113890

Property Type	Number
Patent Number:	8758389
Application Number:	14243271
Application Number:	13771245
Application Number:	13782677
Application Number:	13782703
Application Number:	13782755
Application Number:	13782657
Application Number:	13791118
Application Number:	13791337
Application Number:	13785754
Application Number:	14595686
Application Number:	14096427
Application Number:	13793289
Application Number:	13797513

#### CORRESPONDENCE DATA

**Fax Number:**

*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.*

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**Address Line 4:** PLYMOUTH, MINNESOTA 55442

<b>NAME OF SUBMITTER:</b>	SHEENA K. KRANZ
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<b>SIGNATURE:</b>	/Sheena K. Kranz/
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<b>DATE SIGNED:</b>	01/05/2016
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#### Total Attachments: 5

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**CONFIRMATORY ASSIGNMENT**

WHEREAS, **AGA Medical Corporation**, formerly of 5050 Nathan Lane North, Minneapolis, Minnesota 55442 (hereinafter referred to as "AGA"), has heretofore sold, transferred, and conveyed to **St. Jude Medical, Cardiology Division, Inc.**, a Delaware Corporation, of 177 East County Road B, St. Paul, Minnesota 55117 (hereinafter referred to as "St. Jude Medical"), all of its right, title, and interest, in and to certain inventions, patents, and patent applications as set forth in Appendix A attached hereto, as part of a Purchase Agreement dated December 31, 2012, and the parties wish to memorialize such sale, transfer, and conveyance.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned officer of AGA hereby confirms that AGA did sell, transfer, and convey unto St. Jude Medical all right, title, and interest in and to the aforesaid inventions, patents, and patent applications set forth in Appendix A attached hereto.

AGA Medical Corporation

By: 

**Thomas A. Rendos**

Title: Vice President

Date: 12/16/2015

## APPENDIX A

<b>Application No.</b>	<b>Patent No.</b>	<b>Filing Date</b>	<b>Title</b>
09/019,620	5,944,738	1998-02-06	Percutaneous Catheter Directed Constricting Occlusion Device
08/272,335	6,123,715	1994-07-08	Method of Forming Medical Devices; Intravascular Occlusion Devices
09/119,823	6,168,622	1998-07-21	Method and Apparatus for Occluding Aneurysms
09/450,240	6,210,338	1999-11-29	Sizing Catheter for Measuring Cardiovascular Structures
09/137,949	6,241,678	1998-08-21	Sizing Catheter for Measuring Septal Defects
09/572,649	6,334,864	2000-05-17	Alignment Member for Delivering a Non-Symmetrical Device with a Predefined Orientation
09/981,736	6,402,772	2001-10-17	Alignment Member for Delivering a Non-Symmetrical Device with a Predefined Orientation
09/535,600	6,468,301	2000-03-27	Repositionable and Recapturable Vascular Stent/Graft
09/535,590	6,468,303	2000-03-27	Retrievable Self Expanding Shunt
09/751,426	6,506,204	2000-12-29	Method and Apparatus for Occluding Aneurysms
10/087,570	6,638,257	2002-03-01	Intravascular Flow Restrictor
10/408,805	7,001,409	2003-04-04	Intravascular Flow Restrictor
11/331,640	8,900,287	2006-01-13	Intravascular Deliverable Stent for Reinforcement of Abdominal Aortic Aneurysm
11/473,971	8,398,670	2006-06-23	Multi-Layer Braided Structures for Occluding Vascular Defects and for Occluding Fluid Flow Through Portions of the Vasculature of the Body
13/618,483		2012-09-14	Multi-Layer Braided Structures for Occluding Vascular Defects and for Occluding Fluid Flow Through Portions of the Vasculature of the Body
11/476,947		2006-06-27	Flanged Occlusion Devices and Methods
11/654,288	8,778,008	2007-01-17	Intravascular Deliverable Stent for Reinforcement of Vascular Abnormalities
11/820,841	8,777,974	2007-06-21	Multi-Layer Braided Structures for Occluding Vascular Defects
14/157,682		2014-01-17	Multi-Layer Braided Structures for Occluding Vascular Defects

14/282,134		2014-05-20	Multi-Layer Braided Structures for Occluding Vascular Defects
14/593,625		2015-01-09	Multi-Layer Braided Structures for Occluding Vascular Defects
11/823,430	8,048,147	2007-06-27	Branched Stent/Graft and Method of Fabrication
13/197,526	8,434,393	2011-08-03	Branched Stent/Graft and Method of Fabrication
13/835,534	8,651,007	2013-03-15	Branched Stent/Graft and Method of Fabrication
11/827,590	8,034,061	2007-07-12	Percutaneous Catheter Directed Intravascular Occlusion Devices
13/216,784	8,454,633	2011-08-24	Percutaneous Catheter Directed Intravascular Occlusion Devices
13/837,351	8,961,556	2013-03-15	Percutaneous Catheter Directed Intravascular Occlusion Devices
14/593,039		2015-01-09	Percutaneous Catheter Directed Intravascular Occlusion Devices
11/881,026	8,361,138	2007-07-25	Braided Occlusion Device Having Repeating Expanded Volume Segments Separated by Articulation Segments
11/861,954		2007-09-26	Braided Vascular Devices Having No End Clamps
11/974,398		2007-10-12	Multi-Component Vascular Device
11/966,397		2007-12-28	Percutaneous Catheter Directed Intravascular Occlusion Devices
12/032,938	8,163,004	2008-02-18	Stent Graft for Reinforcement of Vascular Abnormalities and Associated Method
12/032,944	8,747,453	2008-02-18	Stent/Stent Graft for Reinforcement of Vascular Abnormalities and Associated Method
12/040,260	8,313,505	2008-02-29	Device for Occluding Vascular Defects
12/235,059		2008-09-22	Percutaneous Catheter Directed Intravascular Occlusion Device
14/157,692		2014-01-17	Percutaneous Catheter Directed Intravascular Occlusion Device
12/367,104		2009-02-06	Medical Devices for Treating a Target Site and Associated Method
13/709,666	8,491,649	2012-12-10	Medical Device Including Corrugated Braid and Associated Method

12/179,157		2008-07-24	Multi-Layered Medical Device for Treating a Target Site and Associated Method
12/205,083		2008-09-05	Bifurcated Medical Device for Treating a Target Site and Associated Method
12/258,899		2008-10-27	Multi-Layer Device with Gap for Treating a Target Site and Associated Method
12/208,787		2008-09-11	Device for Occluding Vascular Defects
12/197,604		2008-08-25	Stent Graft Having Extended Landing Area and Method for Using the Same
12/268,756	8,940,015	2008-11-11	Asymmetrical Medical Devices for Treating A Target Site and Associated Method
12/179,172		2008-07-24	Multi-Layered Medical Device for Treating a Target Site and Associated Method
12/372,854		2009-02-18	Medical Device with Stiffener Wire for Occluding Vascular Defects
13/018,802		2011-02-01	Vascular Delivery System and Method
13/072,337	8,821,529	2011-03-25	Device and Method for Occluding a Septal Defect
13/236,763	8,621,975	2011-09-20	Device and Method for Treating Vascular Abnormalities
14/090,820		2013-11-26	Device and Method for Treating Vascular Abnormalities
13/072,378		2011-03-25	Device and Method for Delivering a Vascular Device
13/091,763	8,511,214	2011-04-21	Tubular Structure and Method for Making the Same
13/945,057	8,919,389	2013-07-18	Tubular Structure and Method for Making the Same
13/236,803	9,039,752	2011-09-20	Device and Method for Delivering a Vascular Device
13/163,313	8,764,787	2011-06-17	Occlusion Device and Associated Deployment Method
14/282,121	9,179,920	2014-05-20	Occlusion Device and Associated Deployment Method
13/367,011	9,113,890	2012-02-06	Devices and Methods for Occluding Vascular Abnormalities
13/300,322	8,758,389	2011-11-18	Devices and Methods for Occluding Abnormal Openings in a Patient's Vasculature
14/243,271		2014-04-02	Devices and Methods for Occluding Abnormal Openings in a Patient's Vasculature
13/771,245		2013-02-20	Devices and Methods for Delivering Vascular Implants

13/782,677		2013-03-01	Embolic Protection Shield
13/782,703		2013-03-01	Embolic Protection Device
13/782,755		2013-03-01	Embolic Protection Pass Through Tube
13/782,657		2013-03-01	Embolic Protection Device
13/791,118		2013-03-08	Medical Device for Treating a Target Site
13/791,337		2013-03-08	Medical Device for Treating a Target Site
13/785,754		2013-03-05	Medical Device for Treating a Target Site
14/595,686		2015-01-13	Occlusion Devices and Methods of Making and Using Same
14/096,427		2013-12-04	Paravalvular Leak Occlusion Device for Self-Expanding Heart Valves
13/793,289		2013-03-11	Percutaneous Catheter Directed Collapsible Medical Closure Device
13/797,513		2013-03-12	Paravalvular Leak Occlusion Device for Self-Expanding Heart Valves