

## PATENT ASSIGNMENT

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 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Sacha C. Hall</td> <td>12/20/2011</td> </tr> <tr> <td>Troy T. Tegg</td> <td>10/29/2012</td> </tr> <tr> <td>Brian M. Monahan</td> <td>10/30/2012</td> </tr> <tr> <td>Salome A. Gonzalez</td> <td>10/30/2012</td> </tr> <tr> <td>James V. Kauphusman</td> <td>11/21/2011</td> </tr> </tbody> </table>		Name	Execution Date	Sacha C. Hall	12/20/2011	Troy T. Tegg	10/29/2012	Brian M. Monahan	10/30/2012	Salome A. Gonzalez	10/30/2012	James V. Kauphusman	11/21/2011
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RECEIVING PARTY DATA													
Name:	St. Jude Medical, Atrial Fibrillation Division, Inc.												
Street Address:	One St. Jude Medical Drive												
City:	St. Paul												
State/Country:	MINNESOTA												
Postal Code:	55117-9913												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13098969</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13098969								
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CORRESPONDENCE DATA													
Fax Number:	6517562808												
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>													
Phone:	6517562000												
Email:	evogt@sjm.com												
Correspondent Name:	Anne R. Carlberg												
Address Line 1:	St. Jude Medical, AF Division, Inc.												
Address Line 2:	One St. Jude Medical Drive												
Address Line 4:	St. Paul, MINNESOTA 55117-9913												
ATTORNEY DOCKET NUMBER:	0B-143000US												
NAME OF SUBMITTER:	Emily A. Vogt												

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Total Attachments: 5

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## ASSIGNMENT

WHEREAS, WE, Sacha C. Hall of 17880 NE 31st Court, Apt. 2204, Aventura, Florida 33160; Troy T. Tegg of 19307 Baldwin Street, Elk River, Minnesota 55330; Brian M. Monahan of 12488 194th Lane NW, Elk River, Minnesota 55330; Salome A. Gonzalez of 13301 Maple Knoll Way, Apt. 1610, Maple Grove, Minnesota 55369; and James V. Kauphusman of 62 Villa Point Drive, Newport Beach, California 92660, hereinafter ASSIGNORS, have invented certain new and useful improvements in Sensor assembly tethered within catheter wall, for which United States patent application number 13/098,969 was filed on 02 May 2011;

AND WHEREAS St. Jude Medical, Atrial Fibrillation Division, Inc., a corporation organized and existing under the laws of the State of Minnesota, and having a business address at One St. Jude Medical Drive, St. Paul, Minnesota 55117-9913, hereinafter ASSIGNEE, is desirous of acquiring the entire right, title, and interest in, to, and under said invention, said application, and any and all patents to be obtained therefor throughout the world;

NOW, THEREFORE, for and in consideration of good and valuable consideration to us in hand paid by ASSIGNEE, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do hereby sell, assign, and transfer unto ASSIGNEE, its successors and assigns, our entire right, title, and interest in and to said invention, said application, all divisions, continuations, continuations-in-part, reissues, or renewals thereof, and said patents, both foreign and domestic, that may or shall issue, including all of our entire rights under any and all international conventions;

AND WE HEREBY authorize ASSIGNEE, its successors and assigns, or anyone it may properly designate, to apply for patents, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and otherwise take advantage of the provisions of any and all international conventions;

AND WE HEREBY authorize and request any official of any State whose duty consists of issuing patents, or other evidence or forms of any industrial property protection on any aforesaid application, to issue same to ASSIGNEE, its successors and assigns, in accordance herewith;

AND WE HEREBY covenant and agree with ASSIGNEE, its successors and assigns, that we have the full right to convey the entire interest assigned herein, and that we have not executed, and will not execute, any agreement in conflict herewith, and that we will not do any other act whatsoever conflicting with these presents, and that we or our successors, assigns, executors, or administrators will at any time upon request, without further or additional consideration, but at the expense of ASSIGNEE, its successors and assigns, communicate to ASSIGNEE, its successors and assigns, any facts known to ASSIGNORS respecting said invention, and testify in any legal proceedings, sign any lawful papers, execute any original, divisional, continuation, and continuation-in-part applications, make any rightful oaths or declarations, and generally do such additional acts as ASSIGNEE, its successors and assigns, may deem necessary or desirable to obtain and enforce proper protection for said invention throughout the world;

Assignors' Initials

SCH TTT BMM SAG JVK

PATENT

REEL: 029487 FRAME: 0512

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 02 May 2011.

IN TESTIMONY WHEREOF, ASSIGNORS hereunto set their hands on the under-mentioned day and year, and deliver this Assignment.

Date: 20 Dec 2011 Sacha C. Hall  
Sacha C. Hall

Date: 10/29/2012 Troy T. Fegg  
Troy T. Fegg

Date: 10/30/2012 Brian M. Monahan  
Brian M. Monahan

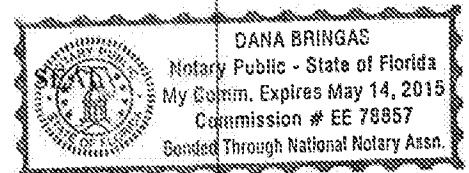
Date: 10/30/2012 Salome A. Gonzalez  
Salome A. Gonzalez

Date: 21 Nov 2011 James V. Kauphusmar  
James V. Kauphusmar

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Sacha C. Hall, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

12/20/11 Miami Dade / Florida  
(Date) (County/City/State)

May 14, 2015 [Signature]  
(Commission Expiry Date) (Notary Public: Signature and Name)



Assignors' Initials  
SCH TTT BMM SAG JVK Page 2 of 4  
SCH TTT BMM SAG JVK

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Troy T. Tegg, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

29 October 2012  
(Date)

Ramsey / St. Paul / Minnesota  
(County/City/State)

31 January 2016  
(Commission Expiry Date)

Anne Rylie Carlberg  
(Notary Public: Signature and Name)



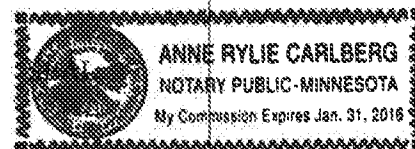
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Brian M. Monahan, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

30 October 2012  
(Date)

Ramsey / St. Paul / Minnesota  
(County/City/State)

31 January 2016  
(Commission Expiry Date)

Anne Rylie Carlberg  
(Notary Public: Signature and Name)



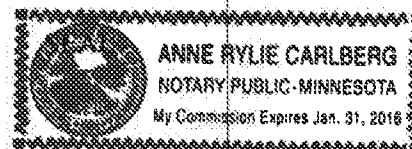
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Salome A. Gonzalez, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

30 October 2012  
(Date)

Ramsey / St. Paul / Minnesota  
(County/City/State)

31 January 2016  
(Commission Expiry Date)

Anne Rylie Carlberg  
(Notary Public: Signature and Name)



Assignors' Initials

SCH TTT BMM SAG JVK Page 3 of 4

SCH TTT BMM SAG JVK



SAID ASSIGNEE HEREBY acknowledges the aforesaid statements and accepts the aforesaid Assignment, transfer, and set over of said invention;

AND, IN TESTIMONY WHEREOF, said ASSIGNEE hereunto sets its hand on the under-mentioned day and year.

12/10/12  
(Date)

[Signature]  
(ASSIGNEE: Signature)

Philip Ebeling  
VP Sr., R&D

St. Jude Medical, Atrial Fibrillation Division, Inc.

[Signature]  
(Witness: Signature)

Printed name: Christina Crocker

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Philip Ebeling, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

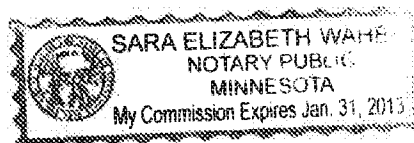
12-10-12  
(Date)

Hennepin/Plymouth/Minnesota  
(County/City/State)

1-31-2013  
(Commission Expiry Date)

Sara E. Waite  
(Notary Public: Signature and Name)

SEAL



Assignor's Initials  
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