

## PATENT ASSIGNMENT

Electronic Version v1.1  
 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>James V. Kauphusman</td> <td>07/20/2010</td> </tr> <tr> <td>Andre d' Avila</td> <td>07/13/2010</td> </tr> <tr> <td>Vivek Y. Reddy</td> <td>07/13/2010</td> </tr> <tr> <td>William M. Sutton</td> <td>05/17/2012</td> </tr> <tr> <td>Steven C. Christian</td> <td>09/02/2010</td> </tr> <tr> <td>Harry A. Puryear</td> <td>08/28/2010</td> </tr> </tbody> </table>		Name	Execution Date	James V. Kauphusman	07/20/2010	Andre d' Avila	07/13/2010	Vivek Y. Reddy	07/13/2010	William M. Sutton	05/17/2012	Steven C. Christian	09/02/2010	Harry A. Puryear	08/28/2010
Name	Execution Date														
James V. Kauphusman	07/20/2010														
Andre d' Avila	07/13/2010														
Vivek Y. Reddy	07/13/2010														
William M. Sutton	05/17/2012														
Steven C. Christian	09/02/2010														
Harry A. Puryear	08/28/2010														
RECEIVING PARTY DATA															
<table border="1"> <tr> <td>Name:</td> <td>St. Jude Medical, Atrial Fibrillation Division, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>One St. Jude Medical Drive</td> </tr> <tr> <td>City:</td> <td>St. Paul</td> </tr> <tr> <td>State/Country:</td> <td>MINNESOTA</td> </tr> <tr> <td>Postal Code:</td> <td>55117-9913</td> </tr> </table>		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				
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>12785227</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12785227										
Property Type	Number														
Application Number:	12785227														
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-056803US														

OP \$40.00 12785227

NAME OF SUBMITTER:

Emily A. Vogt

**Total Attachments: 5**

source=Fully\_exec\_AST#page1.tif

source=Fully\_exec\_AST#page2.tif

source=Fully\_exec\_AST#page3.tif

source=Fully\_exec\_AST#page4.tif

source=Fully\_exec\_AST#page5.tif

## ASSIGNMENT

WHEREAS, WE, James V. Kauphusman of 11681 Norway Court, Champlin, Minnesota 55316; Andre d'Avila of Avenida Jornalista Rubens de Arruda Ramos, 3800 – AP 401, 88015-702 – Florianopolis – Santa Catarina, Brazil; Vivek Y. Reddy of 205 East 85<sup>th</sup> Street, Unit 9J, New York City, New York 10028; William M. Sutton of 18819 Kingswood Terrace, Minnetonka, Minnesota 55345; Steven C. Christian of 695 Riviera Drive, New Brighton, Minnesota 55112; and Harry A. Puryear of 648 Sunset Court, Shoreview, Minnesota 55126, (collectively herein “ASSIGNORS,” “us,” “we,” and “our”), have invented certain new and useful improvements in Methods and system for occluding vessels during cardiac ablation including optional electroanatomical guidance (herein “said invention”), for which United States Patent application number 12/785,227 was filed on 21 May 2010 (herein “said application”);

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 memorializing the prior obligation of assignment between ASSIGNEE and ASSIGNORS and documenting its acquisition of 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

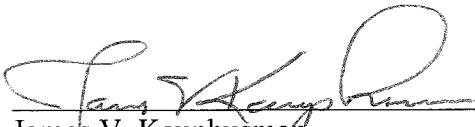
Assignors' Initials

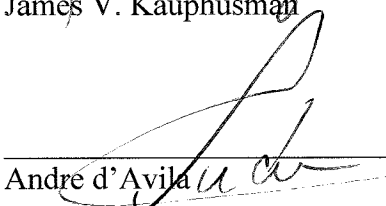
  
JVK / AD / VYR / WMS / SCC / HAP /

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;

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 21 May 2010.

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

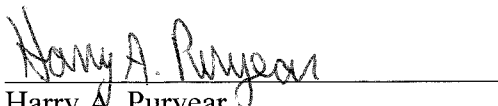
Date: 20 July 2010   
James V. Kauphusman

Date: 7/13/10   
Andre d'Avila

Date: 7/13/10   
Vivek Y. Reddy

Date: 17 May 12   
William M. Sutton

Date: 09/02/2010   
Steven C. Christian

Date: August 28, 2010   
Harry A. Puryear

Assignors' Initials

 /  /  /  /  /  / Page 2 of 5

JVK / AD / VYR / WMS / SCC / HAP /

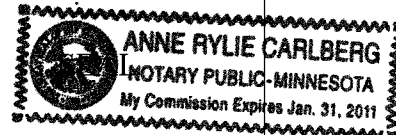
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared James V. Kauphusman, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized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

20 July 2010  
(Date)

Ramsey / <sup>RCC</sup> St. Paul / Minnesota  
(County/City/State)

31 January 2011  
(Commission Expiry Date)

Anne Carlberg  
(Notary Public: Signature and Name)



TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Andre d'Avila, 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.

7/13/10  
(Date)  
EVELYN J. CLARK  
Notary Public - State of New York  
NO. 01CL4764816  
Qualified in New York County  
My Commission Expires 2/28/11  
(Commission Expiry Date)

New York  
(County/City/State)  
Evelyn J. Clark  
(Notary Public: Signature and Name)

SEAL

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Vivek Y. Reddy, 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.

7/13/10  
(Date)  
EVELYN J. CLARK  
Notary Public - State of New York  
NO. 01CL4764816  
Qualified in New York County  
My Commission Expires 2/28/11  
(Commission Expiry Date)

New York  
(County/City/State)  
Evelyn J. Clark  
(Notary Public: Signature and Name)

SEAL

Assignors' Initials

JVK / AD / VYR / WMS / SCC / HAP / Page 3 of 5

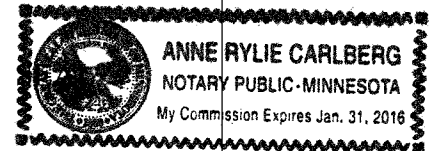
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared William M. Sutton, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized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

17 May 2012  
(Date)

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

31 January 2016  
(Commission Expiry Date)

Anne Rylie Carlberg  
(Notary Public: Signature and Name)



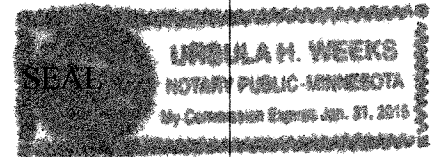
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Steven C. Christian, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized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

2 September 2010  
(Date)

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

31 January 2015  
(Commission Expiry Date)

Ursula H. Weeks  
(Notary Public: Signature and Name)



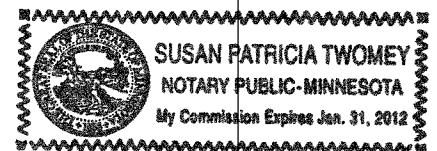
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Harry A. Puryear, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized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

28 August 2010  
(Date)

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

31 January 2012  
(Commission Expiry Date)

Susan Twomey  
(Notary Public: Signature and Name)



SEAL

Assignors' Initials

JKK / AD / VYR / WMS / SCC / HAP / Page 4 of 5

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.

JULY 9, 2012  
(Date)

Stephen A. Tight  
(ASSIGNEE: Signature)  
Stephen A. Tight  
Vice President and General Counsel  
St. Jude Medical, Atrial Fibrillation Division, Inc.

Susan Twomey  
(Witness: Signature)

Printed name: Susan Twomey

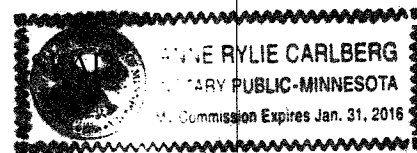
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Stephen A. Tight, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized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

9 July 2012  
(Date)

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

31 January 2016  
(Commission Expiry Date)

Rene Rylie Carlberg  
(Notary Public: Signature and Name)



Assignors' Initials

JVK / AD / VK / WMS / SCC / HAP / Page 5 of 5