

PATENT ASSIGNMENT

Electronic Version v1.1
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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>Clinton W. Schneider</td> <td>02/21/2008</td> </tr> <tr> <td>Hong Cao</td> <td>05/28/2008</td> </tr> <tr> <td>Saurav Paul</td> <td>04/07/2009</td> </tr> </tbody> </table>		Name	Execution Date	Clinton W. Schneider	02/21/2008	Hong Cao	05/28/2008	Saurav Paul	04/07/2009
Name	Execution Date								
Clinton W. Schneider	02/21/2008								
Hong Cao	05/28/2008								
Saurav Paul	04/07/2009								
RECEIVING PARTY DATA									
Name:	St. Jude Medical, Atrial Fibrillation Division, Inc.								
Street Address:	6500 Wedgwood Road								
City:	Maple Grove								
State/Country:	MINNESOTA								
Postal Code:	55311-3642								
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>13584368</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13584368				
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Application Number:	13584368								
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-054703US								
NAME OF SUBMITTER:	Emily A. Vogt								
Total Attachments: 3 source=Fully_exec_AST_from_parent#page1.tif source=Fully_exec_AST_from_parent#page2.tif source=Fully_exec_AST_from_parent#page3.tif									

OP \$40.00 13584368

ASSIGNMENT

WHEREAS, WE, Clinton W. Schneider of 3020 Jewel Lane North, Plymouth, Minnesota 55447; Hong Cao of 13511 Hillsboro Avenue, Savage, Minnesota 55378; and Saurav Paul of 2250 Plymouth Road, Minnetonka, Minnesota 55305, hereinafter ASSIGNORS, have invented certain new and useful improvements in Method and apparatus for complex impedance compensation and for determining tissue morphology based on phase angle, for which United States patent application number 11/966,320 was filed on 28 December 2007;

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 6500 Wedgwood Road, Maple Grove, Minnesota 55311-3642, 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

CWS / HC / SP.

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 28 December 2007.

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

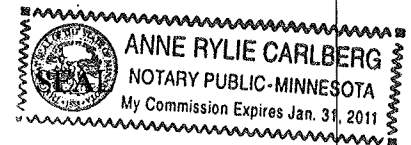
Date: 21 FEB 08 [Signature]
Clinton W. Schneider

Date: 5/28/2008 [Signature]
Hong Cao

Date: April 7, 2009 [Signature]
Saurav Paul

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Clint Schneider, 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/she executed the same in his/her authorized capacity.

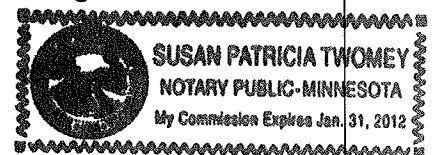
21 February 2008 Minnetonka, Minnesota
(Date) (Place)



3 January 2011 [Signature]
(Commission Expiry Date) (Notary Public: Signature and Name)

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Hong Cao, 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/she executed the same in his/her authorized capacity.

28 May 2008 Minnetonka, MN
(Date) (Place)



SEAL

31 January 2012 Susan Twomey
(Commission Expiry Date) (Notary Public: Signature and Name)

Assignors' Initials

CWS / HC / SP.

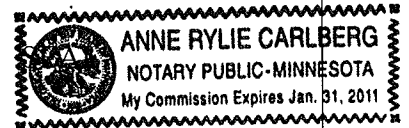
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Saurav Paul, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he/she executed the same in his/her authorized capacity.

7 April 2009
(Date)

Minnetonka, Minnesota
(Place)

31 January 2011
(Commission Expiry Date)

Anne Rylie Carlberg
(Notary Public: Signature and Name)



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.

29 May 2009
(Date)

Jane J. Song
(ASSIGNEE: Signature)
Jane J. Song
President
St. Jude Medical, Atrial Fibrillation Division, Inc.

Paula A. Barnett
(Witness: Signature)
Printed name: Paula A. Barnett

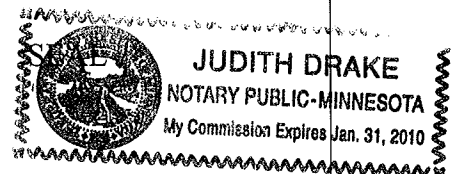
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Jane J. Song, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that she executed the same in her authorized capacity.

29 May 2009
(Date)

Ramsey, St Paul, Mn
(Place)

31 January 2010
(Commission Expiry Date)

Judith Drake
(Notary Public: Signature and Name)



Assignors' Initials

CWS / HC / SP