

<b>PATENT ASSIGNMENT COVER SHEET</b>
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Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3561786

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
SAURAV PAUL	08/08/2011
TODD R. STANGENES	09/16/2011
REED R. HEIMBECHER	08/03/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	St. Jude Medical, Atrial Fibrillation Division, Inc.
<b>Street Address:</b>	One St. Jude Medical Drive
<b>City:</b>	St. Paul
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55117-9913
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14551256
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(651)756-2808
<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>	
<b>Phone:</b>	6517562000
<b>Email:</b>	jawe@sjm.com
<b>Correspondent Name:</b>	STEVEN R. FUNK
<b>Address Line 1:</b>	ST. JUDE MEDICAL, AF DIVISION, INC.
<b>Address Line 2:</b>	ONE ST. JUDE MEDICAL DRIVE
<b>Address Line 4:</b>	ST. PAUL, MINNESOTA 55117-9913
<b>ATTORNEY DOCKET NUMBER:</b>	0B-057303US
<b>NAME OF SUBMITTER:</b>	JILLIAN K. AWE
<b>SIGNATURE:</b>	/Jillian K. Awe/
<b>DATE SIGNED:</b>	10/08/2015
<b>Total Attachments: 4</b>	
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## ASSIGNMENT

WHEREAS, WE, Saurav Paul of 601 Main Street SE, Minneapolis, Minnesota 55414; Todd R. Stangenes of 4525 Columbus Avenue South, Minneapolis, Minnesota 55407; and Reed R. Heimbecher having a mailing address of P.O. Box 33, Hamel, Minnesota 55340, hereinafter ASSIGNORS, have invented certain new and useful improvements in Fast-acting or rotating transseptal needle, for which United States Patent Cooperation Treaty application number PCT/US2009/069433 was filed on 23 December 2009;

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

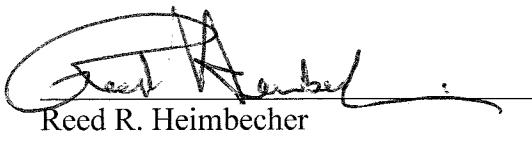
SP / TRS / RRH  
SP TRS RRH

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 23 December 2009.

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

Date: Aug. 8, 2011.   
Saurav Paul

Date: 9.16.11   
Todd R. Stangenes

Date: 3 Aug. 2012   
Reed R. Heimbecher

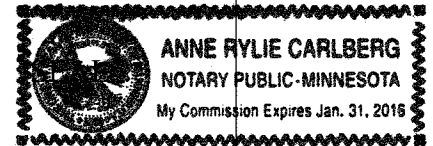
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Saurav Paul, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity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


8 August 2011  
(Date)

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

31 January 2016  
(Commission Expiry Date)

Anne R. Carlberg  
(Notary Public: Signature and Name)



Assignors' Initials  
SP / TRS   
SP TRS RRH

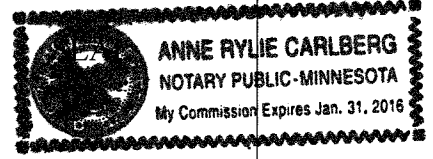
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Todd R. Stangenes, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized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

16 September 2011  
(Date)

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

31 January 2016  
(Commission Expiry Date)

Anne Carlberg  
(Notary Public: Signature and Name)



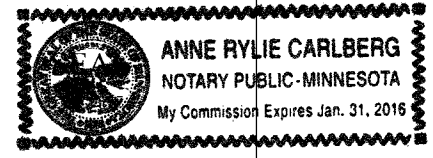
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Reed R. Heimbecher, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized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

3 August 2012  
(Date)

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

31 January 2012  
(Commission Expiry Date)

Anne Carlberg  
(Notary Public: Signature and Name)



Assignors' Initials

SP. / TRS RRH  
SP TRS RRH

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.

14 August 2012  
(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

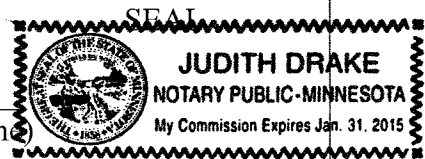
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Jane J. Song, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that she executed the same in her authorized capacity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

14 August 2012  
(Date)

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

31 January 2015  
(Commission Expiry Date)

Judith Drake  
(Notary Public: Signature and Name)



Assignors' Initials  
SP TR RRH  
SP TRS RRH