

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
Stephan P. Miller	12/17/2008
Don Curtis Deno	10/30/2008
Sauray Paul	12/09/2008

**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**

Property Type	Number
Application Number:	12253637

**CORRESPONDENCE DATA**

Fax Number: (651)756-2808  
*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*  
 Phone: 9529334700  
 Email: uweeks@sjm.com  
 Correspondent Name: Reed R. Heimbecher  
 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:	OG-044000US
NAME OF SUBMITTER:	Ursula Weeks

Total Attachments: 4  
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**OP \$40.00 12253637**

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**PATENT  
 REEL: 022983 FRAME: 0676**

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## ASSIGNMENT

WHEREAS, WE, Stephan P. Miller of 5055 37th Avenue South, Minneapolis, Minnesota 55417; Don Curtis Deno of 409 137th Lane NW, Andover, Minnesota 55304; and Saurav Paul of 2250 Plymouth Road, Minnetonka, Minnesota 55305, hereinafter ASSIGNORS, have invented certain new and useful improvements in System and method for assessing coupling between a catheter electrode and tissue, for which United States patent application number 12/253,637 was filed on 17 October 2008;

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

SPM / S.P. /

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 17 October 2008.

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

Date: 12/17/2008 Steph P. Miller  
Stephan P. Miller

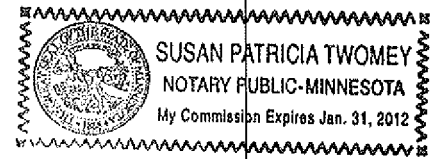
Date: 10/30/2008 Don Curtis Deno  
Don Curtis Deno

Date: Dec. 9, 2008 Saurav Paul  
Saurav Paul

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Stephan P. Miller, 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 December 2008  
(Date)

Hennepin, Minnesota, MN  
(County/City/State)



SEAL

31 January 2012  
(Commission Expiry Date)

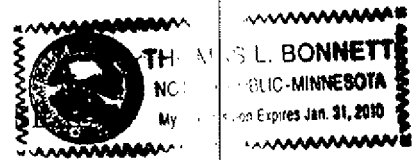
Susan Twomey  
(Notary Public: Signature and Name)

Assignors' Initials  
SPM / SM / SP

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Don Curtis Deno, 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.

10-30-08                      Ramsey Cty / St. Paul / MN  
 (Date)                              (County/City/State)

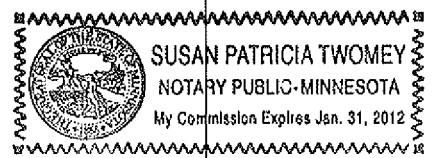
1-31-2010                      [Signature]  
 (Commission Expiry Date)      (Notary Public: Signature and Name)



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.

9 December 2008                      Hennepin, Minnesota, MN  
 (Date)                                      (County/City/State)

31 January 2012                      [Signature]  
 (Commission Expiry Date)              (Notary Public: Signature and Name)



SEAL

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

Assignors' Initials  
[Initials]

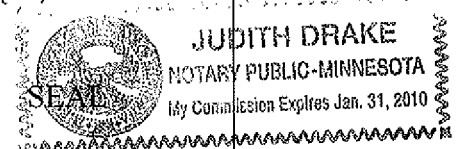
AND, IN TESTIMONY WHEREOF, said ASSIGNEE hereunto sets its hand on the under-mentioned day and year.

3 February 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 he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

3 February 2009 (Date) Benzie/Maple Grove, MN (County/City/State)



31 January 2010 (Commission Expiry Date) Judith Drake (Notary Public: Signature and Name)

Assignors' Initials  
JES / SPN / SP.