

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>John M. Hastings</td><td>04/24/2007</td></tr><tr><td>Alicia A. King</td><td>04/12/2007</td></tr></tbody></table>	Name	Execution Date	John M. Hastings	04/24/2007	Alicia A. King	04/12/2007	
Name	Execution Date						
John M. Hastings	04/24/2007						
Alicia A. King	04/12/2007						
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>11646578</td></tr></tbody></table>	Property Type	Number	Application Number:	11646578			
Property Type	Number						
Application Number:	11646578						
CORRESPONDENCE DATA							
Fax Number:	(952)351-1777						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	9529334700						
Email:	stwomey@sjm.com						
Correspondent Name:	Reed R. Heimbecher						
Address Line 1:	St. Jude Medical, AF Division, Inc.						
Address Line 2:	14901 DeVeau Place						
Address Line 4:	Minnetonka, MINNESOTA 55345-2126						
ATTORNEY DOCKET NUMBER:	0B-050700US						
NAME OF SUBMITTER:	Susan Twomey						
Total Attachments: 3 source=Fully-executed AST#page1.tif source=Fully-executed AST#page2.tif							

OP \$40.00 11646578

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PATENT
REEL: 019314 FRAME: 0057

ASSIGNMENT

WHEREAS, WE, John M. Hastings of 1829 3rd Avenue South, #117, Minneapolis, Minnesota 55404; and Alicia A. King of 10617 Queen Avenue South, Bloomington, Minnesota 55431, hereinafter ASSIGNORS, have invented certain new and useful improvements in Catheter with embedded components and method of its manufacture, for which United States patent application number 11/646,578 was filed on 28 December 2006;

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;

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 28 December 2006.

Assignors' Initials

JMH / AAK

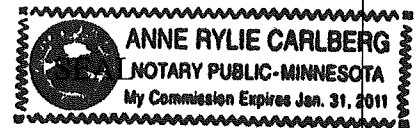
IN TESTIMONY WHEREOF, ASSIGNORS hereunto set their hands on the under-mentioned day and year, and deliver this Assignment.

Date: 4/23/07
24
OK John M. Hastings

Date: 4/12/2007 Alicia A. King

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared John M. Hastings, to me known and known to me to be the person of that name, who signed the foregoing Assignment and acknowledged that execution of the same was a free act and deed.

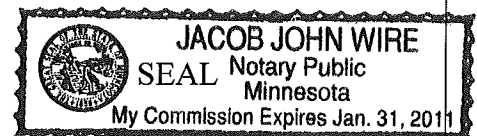
24 April 2007 Minnetonka, Minnesota
(Date) (Place)



31 January 2011 Anne R. Carlberg
(Commission Expiry Date) (Notary Public: Signature and Name)

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Alicia A. King, to me known and known to me to be the person of that name, who signed the foregoing Assignment and acknowledged that execution of the same was a free act and deed.

4/12/07 Wells Fargo Bank N.A.
(Date) (Place)



Jan. 31, 2011 [Signature]
(Commission Expiry Date) (Notary Public: Signature and Name)

Assignors' Initials

SMH / AAK

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.

2 May 2007
(Date)

Jane J. Song
(ASSIGNEE: Signature)

Jane J. Song

President

St. Jude Medical, Atrial Fibrillation Division, Inc.

Judith Drake

(Witness: Signature)

Printed name:

Judith Drake

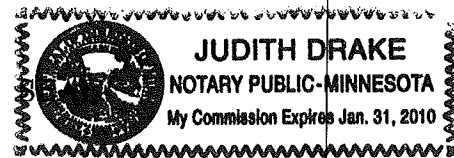
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Jane J. Song, to me known and known to me to be the person of that name, who signed the foregoing Assignment and acknowledged that execution of the same was a free act and deed.

2 May 2007
(Date)

Maple Grove, MN
(Place)

31 January 2007
(Commission Expiry Date)

Judith Drake
(Notary Public: Signature and Name)



Assignors' Initials

MMH / AAK