

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT								
NATURE OF CONVEYANCE:	ASSIGNMENT								
<b>CONVEYING PARTY DATA</b>									
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Martin M. Grasse</td> <td>12/27/2010</td> </tr> <tr> <td>Anthony D. Hill</td> <td>02/25/2011</td> </tr> <tr> <td>Don C. Deno</td> <td>02/25/2011</td> </tr> </tbody> </table>		Name	Execution Date	Martin M. Grasse	12/27/2010	Anthony D. Hill	02/25/2011	Don C. Deno	02/25/2011
Name	Execution Date								
Martin M. Grasse	12/27/2010								
Anthony D. Hill	02/25/2011								
Don C. Deno	02/25/2011								
<b>RECEIVING PARTY DATA</b>									
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								
<b>PROPERTY NUMBERS Total: 1</b>									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12968149</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12968149				
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Application Number:	12968149								
<b>CORRESPONDENCE DATA</b>									
Fax Number:	(651)756-2808								
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>									
Phone:	6517562000								
Email:	evogt@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:	0B-142300US								
NAME OF SUBMITTER:	Emily A. Vogt								
<b>Total Attachments: 4</b> source=F20110516a_Fully_exec_AST#page1.tif source=F20110516a_Fully_exec_AST#page2.tif source=F20110516a_Fully_exec_AST#page3.tif source=F20110516a_Fully_exec_AST#page4.tif									

OP \$40.00 12968149

## ASSIGNMENT

WHEREAS, WE, Martin M. Grasse of 1144 HBS Student Mail Center, Boston, Massachusetts 02163; Anthony D. Hill of 3601 16th Ave. S., Minneapolis, Minnesota 55407; and Don C. Deno of 409 137th Lane NW, Andover, Minnesota 55304, hereinafter ASSIGNORS, have invented certain new and useful improvements in Torque-limiting catheter handle, for which United States patent application number 12/968,149 was filed on 14 December 2010;

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;

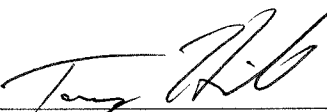
AND WE HEREBY covenant and agree with ASSIGNEE, its successors and assigns, that we have the full right to convey the entire interest assigned herein, and that we have not executed, and will not execute, any agreement in conflict herewith, and that we will not do any other act whatsoever conflicting 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  
MMG / AH / DCD  
MMG    ADH    DCD

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 14 December 2010.

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

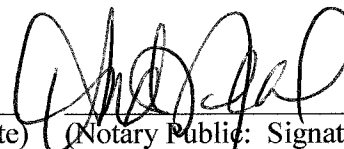
Date: Dec 27 2010   
Martin M. Grasse

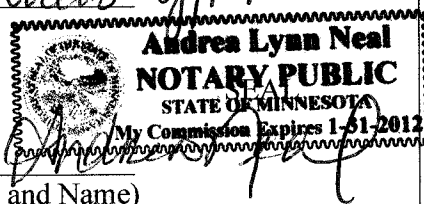
Date: 2/25/2011   
Anthony D. Hill

Date: 25-Feb-2011   
Don C. Deno

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Martin M. Grasse, 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.

12-27-2010 Washington/Woodbury/MN  
(Date) (County/City/State)

1-31-2012   
(Commission Expiry Date) (Notary Public: Signature and Name)



Assignors' Initials  
mmb / TH / DeD /  
MMG ADH DCD

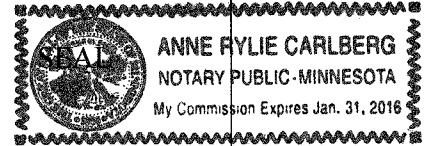
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Anthony D. Hill, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized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

25 February, 2011  
(Date)

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

31 January 2016  
(Commission Expiry Date)

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



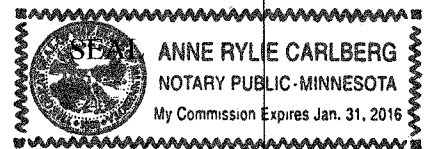
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Don C. Deno, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity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

25 February 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

MMG / ADH / DCD

MMG ADH DCD

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.

3-17-2011  
(Date)

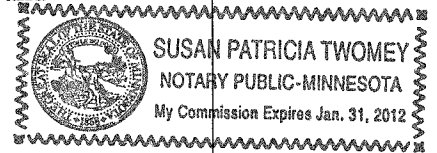
Stephen Tight  
(ASSIGNEE: Signature)  
Stephen Tight  
Vice President and General Counsel  
St. Jude Medical, Atrial Fibrillation Division, Inc.

Anne R. Carlberg  
(Witness: Signature)  
Printed name: Anne R. Carlberg

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

3-17-2011  
(Date)

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



SEAL

31 January 2012  
(Commission Expiry Date)

Susan P. Twomey  
(Notary Public: Signature and Name)

Assignors' Initials  
MMG / ADH / DCD  
MMG ADH DCD