

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Hong Cao | 03/14/2008 |
| Saurav Paul | 02/18/2008 |
| Chou Thao | 02/06/2008 |
| 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: | 11967518 |
| 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-052900US |
| NAME OF SUBMITTER: | Susan Twomey |
| <p>Total Attachments: 3</p> <p>source=Fully_executed_AST#page1.tif</p> | |

OP \$40.00 11967518

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PATENT
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ASSIGNMENT

WHEREAS, WE, Hong Cao of 13511 Hillsboro Avenue, Savage, Minnesota 55378; Saurav Paul of 2250 Plymouth Road, Apt. 302, Minnetonka, Minnesota 55305; and Chou Thao of 10333 Major Drive, Brooklyn Park, Minnesota 55443, hereinafter ASSIGNORS, have invented certain new and useful improvements in Coated hypodermic needle, for which United States patent application number 11/967,518 was filed on 31 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;

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 31 December 2007.

Assignors' Initials

HC / SP / CT

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

Date: 3/14/08 [Signature]
Hong Cao

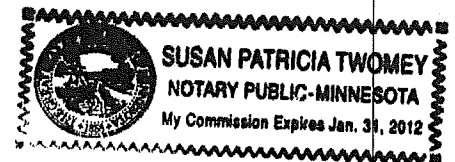
Date: Feb. 18, 2008 [Signature]
Saurav Paul

Date: 2/6/08 [Signature]
Chou Thao

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.

14 March 2008
(Date)

Minnetonka, MN
(Place)



SEAL

31 January 2012
(Commission Expiry Date)

Susan Twomey
(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/she executed the same in his/her authorized capacity.

18 February 2008
(Date)

Minnetonka, MN
(Place)



SEAL

31 January 2012
(Commission Expiry Date)

Susan Twomey
(Notary Public: Signature and Name)

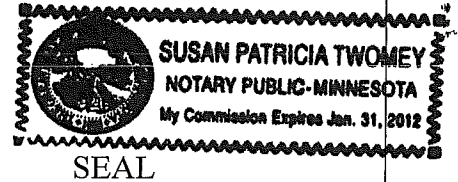
Assignors' Initials

HC / SP. / ct

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

06 February 2008
(Date)

Minnetonka, MN
(Place)



31 January 2012
(Commission Expiry Date)

Susan Twomey
(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.

7 April 2008
(Date)

Jane J. Song
(ASSIGNEE: Signature)

Jane J. Song
President

St. Jude Medical, Atrial Fibrillation Division, Inc.

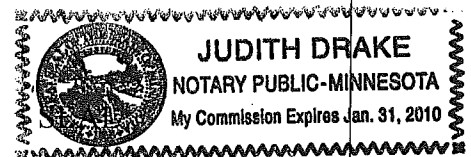
Paula A. Barnett
(Witness: Signature)

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.

7 April 2008
(Date)

Maple Grove, MN
(Place)



31 January 2010
(Commission Expiry Date)

Judith Drake
(Notary Public: Signature and Name)

Assignors' Initials

HC / SP. / CT