

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

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>Graydon E. Beatty</td><td>02/29/2008</td></tr><tr><td>Jonathan Kagan</td><td>01/28/2008</td></tr><tr><td>Jeffrey R. Budd</td><td>02/16/2008</td></tr><tr><td>John A. Hauck</td><td>05/08/2008</td></tr></tbody></table>	Name	Execution Date	Graydon E. Beatty	02/29/2008	Jonathan Kagan	01/28/2008	Jeffrey R. Budd	02/16/2008	John A. Hauck	05/08/2008	
Name	Execution Date										
Graydon E. Beatty	02/29/2008										
Jonathan Kagan	01/28/2008										
Jeffrey R. Budd	02/16/2008										
John A. Hauck	05/08/2008										
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											
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Patent Number:</td><td>6947785</td></tr></tbody></table>	Property Type	Number	Patent Number:	6947785							
Property Type	Number										
Patent Number:	6947785										
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:	jfriederichs@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:	0G-040007US										
NAME OF SUBMITTER:	Jill A. Friederichs										
Total Attachments: 4											

OP \$40.00 6947785

500555528

PATENT  
REEL: 021029 FRAME: 0310

source=AST fully executed#page1.tif  
source=AST fully executed#page2.tif  
source=AST fully executed#page3.tif  
source=AST fully executed#page4.tif

## ASSIGNMENT

WHEREAS, WE, Graydon E. Beatty of 9400 Old Cedar Avenue S., #201, Bloomington, MN 55425; Jonathan Kagan of 200 Homedale Road, Hopkins, MN 55343-8522; Jeffrey R. Budd of 3270 Owasso Heights Road, Shoreview, MN 55126; and John A. Hauck of 5900 Hodgson Road, Shoreview, MN 55126, hereinafter ASSIGNORS, have invented certain new and useful improvements in Interface system for endocardial mapping catheter, for which United States patent application number 09/547,476, filed on 12 April 2000, now U.S. Patent no. 6,947,785, which issued on 20 September 2005;

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

9/26/05 JK JB HA

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 12 April 2000.

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

Date: 2/29/08 Graydon E Beatty  
Graydon E. Beatty

Date: 1/28/08 [Signature]  
Jonathan Kagan

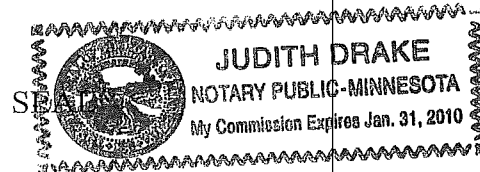
Date: 2/16/08 [Signature]  
Jeffrey R. Budd

Date: 5/08/08 [Signature]  
John A. Hauck

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

29 February 2008 Maple Grove, Mn  
(Date) (Place)

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



Assignors' Initials  
DEB, J, JH

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

01.28.08

(Date)

St. Louis park, MN

(Place)



01.31.2012

(Commission Expiry Date)

[Signature]  
(Notary Public: Signature and Name)

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

2/16/08

(Date)

Roseville Minnesota

(Place)

SEAL

MARY ANN BOWN  
NOTARY PUBLIC-MINNESOTA

My Commission Expires Jan. 31, 2010

1-31-2010

(Commission Expiry Date)

[Signature]  
(Notary Public: Signature and Name)

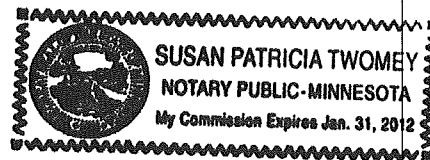
TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared John A. Hauck, to me known and known to me to be the person of that name, who signed the foregoing Assignment and acknowledged that execution of the same was a free act and deed.

8 May 2008

(Date)

Minnetonka, MN

(Place)



SEAL

31 January 2012

(Commission Expiry Date)

Susan Twomey  
(Notary Public: Signature and Name)

Assignors' Initials

[Handwritten initials]

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.

23 May 2008  
(Date)

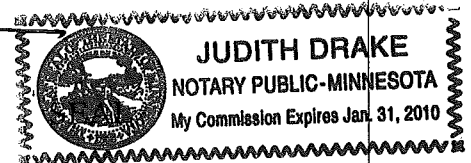
Jane J. Song  
(ASSIGNEE: Signature)  
Jane J. Song  
President  
St. Jude Medical, Atrial Fibrillation Division, Inc.

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, 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.

23 May 2008  
(Date)

Maple Grove, MN  
(Place)



31 January 2010  
(Commission Expiry Date)

Judith Drake  
(Notary Public: Signature and Name)

Assignors' Initials

EEB / JK / OH