502166393 12/18/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Sacha C. Hall	12/20/2011
Troy T. Tegg	10/29/2012
Brian M. Monahan	10/30/2012
Salome A. Gonzalez	10/30/2012
James V. Kauphusman	11/21/2011

RECEIVING PARTY DATA

Name:	St. Jude Medical, Atrial Fibrillation Division, Inc.	
Street Address:	One St. Jude Medical Drive	
City:	ity: St. Paul	
State/Country: MINNESOTA		
Postal Code:	55117-9913	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13098969

CORRESPONDENCE DATA

Fax Number: 6517562808

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 6517562000

Email: evogt@sjm.com

Correspondent Name: Anne R. Carlberg

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-143000US
ATTORNEY DOCKET NUMBER:	0B-143000US

NAME OF SUBMITTER: Emily A. Vogt

PATENT

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ASSIGNMENT

WHEREAS, WE, Sacha C. Hall of 17880 NE 31st Court, Apt. 2204, Aventura, Florida 33160; Troy T. Tegg of 19307 Baldwin Street, Elk River, Minnesota 55330; Brian M. Monahan of 12488 194th Lane NW, Elk River, Minnesota 55330; Salome A. Gonzalez of 13301 Maple Knoll Way, Apt. 1610, Maple Grove, Minnesota 55369; and James V. Kauphusman of 62 Villa Point Drive, Newport Beach, California 92660, hereinafter ASSIGNORS, have invented certain new and useful improvements in Sensor assembly tethered within catheter wall, for which United States patent application number 13/098,969 was filed on 02 May 2011;

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;

Assistances' initials

SCH TIT BMM SAG JVK

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 02 May 2011.

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

Date:	<u>20 Dec. 20</u> 11	Sacha C. Wall Sacha C. Hall
Date:	10/29/201-	Troy T. Yegg
Date;	19/30/2012	Brian M. Monahan
Date:	10/30/2012	Salome A. Gonzalez
Date:	21 Nav 2011	James V. Kauphusman

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Sacha C. Hall, 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 20 11 Marri Dade Floride

County/City/State)

May 14,2015 (Commission Francy Date)

(Notary Emblic: Signature and Name)

DANA BRINGAS
Notary Public - State of Florida
My Colum. Expires May 14, 2015
Commission # EE 78857
Content Through National Notary Assn.

Assignors' Initials

SCH TTT BMM SAG JVK
Page 2 of 4

	personally appeared Troy T. evidence to be the person what he acknowledged to me that he	ME, a Notary Public in and for the under- Tegg, who proved to me on the basis of a hose name is subscribed to the foregoing a executed the same in his authorized capa in of the same was a free will act and deed	satisfactory assignment and city and
	29 05/0/12 2012 (Date)	<u>Blanz(tay / J. Jusel /))), an</u> (County/City/State)	ANNE RYLIE CARLBERG
	Z/Z/2/22/2/2// (Commission Expiry Date)	(Notary Public: Signature and Name)	NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2016
	personally appeared Brian Mevidence to be the person whacknowledged to me that he	ME, a Notary Public in and for the under- I. Monahan, who proved to me on the bashose name is subscribed to the foregoing executed the same in his authorized capan of the same was a free will act and deed	sis of satisfactory assignment and city and
***************************************	30 Ochbu 21/2 (Date)	Runsey / S. Paul / M. s. (County/City/State)	ANNE RYLIE CARLBERG
		(Notary Public: Signature and Name)	By Compussion Expires Jan. 31, 2016
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************	<u>30 Vohyky Zu/2</u> (Date)	<u> </u>	
**************************************	3/ Juny 20/6 (Commission Expiry Date)	(Notary Public: Signature and Name)	ANNE RYLIE CARLBERG NOTARY PUBLIC-MINNESOTA My Commission Expires Jan. 31, 2016
	Assignors' Initials SCH 7777 / &****/ S SCH TTT BMM SAC	Page 3 of 4	

personally appeared James V satisfactory evidence to be the assignment and acknowledge	ME, a Notary Public in and for the under-magnetic. Kauphusman, who proved to me on the base person whose name is subscribed to the ed to me that he executed the same in his a ution of the same was a free will act and determine the executed the same in his a same of the same was a free will act and determine the executed the same in his a same was a free will act and determine the executed the same was a free will act and determine the executed the same was a free will act and determine the executed the exec	pasis of foregoing uthorized cap		
I certify under PENA that the foregoing paragraph	LTY OF PERJURY under the laws of the is true and correct.	State of Calif	ornia CHUONG NGO	Mariba d
11-21-2011 (Date)	Orange / Irvine / CA (County/City/State)		Commission Ø 19258: Notery Public - Californ Orange County by Caron, Excitos Disc 7.	8 48
Dec 07 70(2 (Commission Expiry Date)	(Notary Public: Signature and Name)	SUAL		***************************************
	EREBY acknowledges the aforesaid stater er, and set over of said invention;	nents and acc	epts this	
AND, IN TESTIMOS under-mentioned day and ye	NY WHEREOF, said ASSIGNEE hereuntear.	o sets its hand	on the	
(Date)	(ASSIGNEE: Signature) Jane J. Song Rresident St. Jude Medical, Atrial Eibrillation I (Witness: Signature)	Division, Inc.	* * }	
	Printed paine:			
personally appeared Jane J. Stobe the person whose name acknowledged to me that she	ME, a Notary Public in and for the under-notate, who proved to me on the basis of satisfies subscribed to the foregoing assistment executed the same in her authorized capa of the same was a free will act and deed.	tisfactory evid tand		
(Date)	(County/City/State)	SEAL		
(Commission Expiry Date)	(Notary Public: Signature and Name)			
Assignors' Initials SCH 7777 / BANY S. SCH TTT BMM SAG	Page 4 of 4			

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.

(ASSIGNEE: Signature)

Philip Ebeling VP Sr., R&D

St. Jude Medical, Atrial Fibrillation Division, Inc.

(Witness: Signature)

Printed name: Claistin Coxtel

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

(Notary Public: Signature and Name)

SARA ELIZABETH WAHE

Assignor's Initials

PATENT REEL: 029487 FRAME: 0516

RECORDED: 12/18/2012