503395745 07/16/2015

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
LEV A. KOYRAKH	02/23/2011
ERIC J. VOTH	02/25/2011
JOHN A. HAUCK	02/23/2011
JEFFREY A. SCHWEITZER	02/25/2011

RECEIVING PARTY DATA

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	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14800910

CORRESPONDENCE DATA

Fax Number: (651)756-2808

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

 Phone:
 6517562000

 Email:
 evogt@sjm.com

Correspondent Name: JAMES G. RODGERS

Address Line 1: ST. JUDE MEDICAL, AF DIVISION, INC.

Address Line 2: ONE ST. JUDE MEDICAL DRIVE ST. PAUL, MINNESOTA 55117-9913

ATTORNEY DOCKET NUMBER:	0G-044905US
NAME OF SUBMITTER:	EMILY A. VOGT
SIGNATURE:	/Emily A. Vogt/
DATE SIGNED:	07/16/2015

Total Attachments: 4

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PATENT 503395745 REEL: 036114 FRAME: 0330

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ASSIGNMENT

WHEREAS, WE, Lev A. Koyrakh of 4595 Forestview Lane North, Plymouth, Minnesota 55442; Eric J. Voth of 2968 Edward Street, Maplewood, Minnesota 55109; John A. Hauck of 5900 Hodgson Road, Shoreview, Minnesota 55126; and Jeffrey A. Schweitzer of 1502 Huron Street, St. Paul, Minnesota 55108, hereinafter ASSIGNORS, have invented certain new and useful improvements in Dynamic adaptive respiration compensation with automatic gain control, for which United States patent application number 12/980,515 was filed on 29 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

LAK EJV JAH JAS

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 29 December 2010.

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

Date: 2/23/2011 Lev A. Koyrakh

Date: 23 Feb 2011 John a Hand

Date: 25 Feb 2011

Jeffrey & Schweitzer

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

(Date) Ramsty Of Paul/Minnesote (County/City/State)

ANNE RYLIE CARLBERG NOTARY PUBLIC - MINNESOTA

Assignors' Initials

LAK EJV JAH JAS

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TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Eric J. Voth, 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. (Date) (County/City/State) ANNE RYLIE CARLBERG (Commission Expiry Date) (Notary Public: Signature and Name) NOTARY PUBLIC-MINNESOTA My Commission Expires Jan. 31, 2016 TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared John A. Hauck, 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. (Date)

Ramsey St. Paul MINNESSEE

(County/City/State) ANNE RYLIE CARLBERG TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Jeffrey A. Schweitzer, 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. (Date) Banky St. Paul / Minner County City/State) ANNE RYLIE CARLBERG 3/ Muy 2016 (Much Calley) (Commission Expiry Date) (Notary Public: Signature and Name) NOTARY PUBLIC-MINNESOTA My Commission Expires Jan. 31, 2016 Assignors' Initials Page 3 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.

 $\frac{3 - 17 - 2011}{\text{(Date)}}$

Stephen Tight

Vice President and General Counsel

St. Jude Medical, Atrial Fibrillation Division, Inc.

Witness: Signature)

Printed name: SUSAN TWOMEY

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.

Manch 2011 Jamsey H. Puul / Minisso ta e) (County/City/State)

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PATENT REEL: 036114 FRAME: 0335

RECORDED: 07/16/2015