PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3928111

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
YURIY MALININ	06/30/2015
ANTHONY D. HILL	06/22/2015
CABLE P. THOMPSON	07/10/2015

RECEIVING PARTY DATA

Name:	ST. JUDE MEDICAL, CARDIOLOGY DIVISION, INC.	
Street Address:	177 EAST COUNTY ROAD B	
City:	ST. PAUL	
State/Country:	MINNESOTA	
Postal Code:	55117	

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	15187322

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.

6517562000 Phone: Email: evogt@sim.com

JAMES G. RODGERS **Correspondent Name:**

Address Line 1: ST. JUDE MEDICAL, CD, INC. Address Line 2: 177 EAST COUNTY ROAD B Address Line 4: ST. PAUL, MINNESOTA 55117

ATTORNEY DOCKET NUMBER: CD-1054US02 NAME OF SUBMITTER: **EMILY A. VOGT** SIGNATURE: /Emily A. Vogt/ **DATE SIGNED:** 06/21/2016

Total Attachments: 3

source=Fully_Exec_AST_from_parent#page1.tif source=Fully Exec AST from parent#page2.tif source=Fully Exec AST from parent#page3.tif

> **PATENT REEL: 038973 FRAME: 0870** 503881461

ASSIGNMENT

WHEREAS, WE, Yuriy Malinin of 5033 Richmond Drive, Edina, Minnesota 55436; Anthony D. Hill of 3601 16th Avenue South, Minneapolis, Minnesota 55407; and Cable P. Thompson of 1634 Marshall Ave., Apt. 1, St. Paul, Minnesota 55104, hereinafter ASSIGNORS, have invented certain new and useful improvements in Impedance shift and drift detection and correction, for which United States patent application number 62/182,208 was filed on 19 June 2015;

AND WHEREAS St. Jude Medical, Cardiology Division, Inc., a corporation organized and existing under the laws of the State of Delaware, and having a business address at 177 East County Road B, St. Paul, Minnesota 55117, 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;

Vassignors' Initials
YM / ADH / PT
YM ADH CPT

PATENT REEL: 038973 FRAME: 0871

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 19 June 2015.

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

Date: Fire 30 2015 Yeary Alleria, Yuriy Malinin

Cable P. Thompson

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Yuriy Malinin, 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. Pan/Minnesofa (County/City/State)

SEAL

(Commission Expiry Date) (Notary Public: Signature and Name)

January 31, 2019

Assignors' Initials

Page 2 of 3

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.

6/22/15

Ramsey/Sh. Paw/Minnesota (County/City/State)

(Date)

(Commission Expiry Date)

EMILY ANN VOC NOTARY PUBLIC - MINNESOT/ My Confimission Expires

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

7//d//S

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

(Date)

(Commission Expiry Date)

January \$1, 2019

Page 3 of 3