

PATENT ASSIGNMENT COVER SHEET

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EPAS ID: PAT4946640

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
CHIN-ANN YANG	07/25/2014
VALTINO X. AFONSO	07/25/2014
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:	15971054
CORRESPONDENCE DATA	
Fax Number:	
<i>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.</i>	
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Email:	uspatents@ArmstrongTeasdale.com
Correspondent Name:	SJM/AFD - ARMSTRONG ARMSTRONG TEASDALE L
Address Line 1:	7700 FORSYTH BLVD.
Address Line 4:	ST. LOUIS, MISSOURI 63105
ATTORNEY DOCKET NUMBER:	CD-864USC1
NAME OF SUBMITTER:	CHRISTOPHER M. GOFF
SIGNATURE:	/Christopher M. Goff/
DATE SIGNED:	05/04/2018
Total Attachments: 2	
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ASSIGNMENT

WHEREAS, WE, Chin-Ann Yang of 1920 South 1st Street, Apt. 2108, Minneapolis, Minnesota 55454; and Valtino X. Afonso of 7546 Upper 17th Street North, Oakdale, Minnesota 55128, hereinafter ASSIGNORS, have invented certain new and useful improvements in Cardiac mapping system and method for voltage-based evaluation of electrograms, for which United States patent application number 61/897,597 was filed on 30 October 2013;

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;

Assignors' Initials
CY / VXA
CY VXA

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 30 October 2013.

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

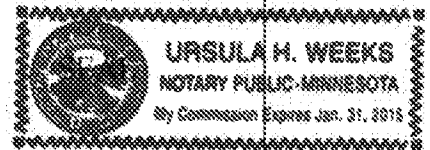
Date: 25 July 2014 *Chin-Ann Yang*
Chin-Ann Yang

Date: 25 JULY 2014 *Valtino X. Afonso*
Valtino X. Afonso

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Chin-Ann Yang, 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 and acknowledged that execution of the same was a free will act and deed.

25 July 2014 Ramsey/St. Paul/Minnesota
(Date) (County/City/State)

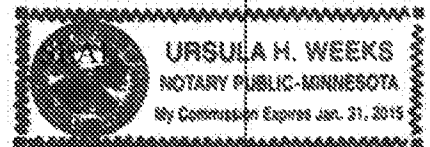
31 January 2015 *Ursula H. Weeks*
(Commission Expiry Date) (Notary Public: Signature and Name)



TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Valtino X. Afonso, 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.

25 July 2014 Ramsey/St. Paul/Minnesota
(Date) (County/City/State)

31 January 2015 *Ursula H. Weeks*
(Commission Expiry Date) (Notary Public: Signature and Name)



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