05/22/2018 504924784

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4971530

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
TERRY L. STERRETT	04/27/2017
JOHN J. CROW	04/03/2018
ERIC LIM	04/03/2018
GREGORY K. OLSON	04/12/2017
JEFFREY A. SCHWEITZER	04/03/2018

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: 2

Property Type	Number	
Application Number:	15331562	
PCT Number:	US1658244	

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: jillian.awe@abbott.com **Correspondent Name:** MARK D. LAVENDER

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-1064USO2; CD-1064WOO1
NAME OF SUBMITTER:	JILLIAN K. AWE
SIGNATURE:	/Jillian K. Awe/
DATE SIGNED:	05/22/2018

Total Attachments: 23 source=Fully_Executed_Assn_NPR_PCT#page1.tif source=Fully Executed Assn NPR PCT#page2.tif source=Fully Executed Assn NPR PCT#page3.tif source=Fully Executed Assn NPR PCT#page4.tif source=Fully Executed Assn NPR PCT#page5.tif source=Fully Executed Assn NPR PCT#page6.tif source=Fully Executed Assn NPR PCT#page7.tif source=Fully Executed Assn NPR PCT#page8.tif source=Fully Executed Assn NPR PCT#page9.tif source=Fully Executed Assn NPR PCT#page10.tif source=Fully Executed Assn NPR PCT#page11.tif source=Fully Executed Assn NPR PCT#page12.tif source=Fully Executed Assn NPR PCT#page13.tif source=Fully_Executed_Assn_NPR_PCT#page14.tif source=Fully_Executed_Assn_NPR_PCT#page15.tif source=Fully_Executed_Assn_NPR_PCT#page16.tif source=Fully Executed Assn NPR PCT#page17.tif source=Fully Executed Assn NPR PCT#page18.tif source=Fully Executed Assn NPR PCT#page19.tif source=Fully Executed Assn NPR PCT#page20.tif source=Fully Executed Assn NPR PCT#page21.tif source=Fully Executed Assn NPR PCT#page22.tif source=Fully Executed Assn NPR PCT#page23.tif

WHEREAS, WE, Terry L. Sterrett of 21101 Shaw Lane, Huntington Beach, California 92646; John J. Crow of 3732 Conrad Avenue, San Diego, California 92117; Eric Lim of 12 Brisbane Court, Tustin, California 92780; Gregory K. Olson of 18004 Kent St. N.W., Elk River, Minnesota 55330; and Jeffrey A. Schweitzer of 1502 Huron Street, St. Paul, Minnesota 55108, hereinafter ASSIGNORS, have invented certain new and useful improvements in High Density Electrode Mapping Catheter, for which United States patent application number 15/331,562 was filed on 21 October 2016, and International patent application number PCT/US2016/058244 was filed on 21 October 2016:

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 One St. Jude Medical Drive, St. Paul, MN 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 therefore 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;

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 21 October 2015.

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

Date: <u>4 24 701</u> 4	Terry L. Sterrett
Date:	John J. Crow
Date:	Eric Lim
Date:	Gregory K. Olson
Date:	Jeffrey A. Schweitzer

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I certify under PENA that the foregoing paragraph	LTY OF PERJURY u is true and correct.	inder the laws of	the State of California
(Date)	(County/City/State)		
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Commission Expiry Date)	(Notary Public: Sign	ature and Name)	
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Page 3 of 5

CIVIL CODE § 1189 CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document. State of California ge____; 017_ before me, <u>Olga Roberts, Notary Public</u> Here Insert Name and Title of the Officer TERRY Lee Sterrett County of ... personally appeared _ Name(s) of Signer(s) who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/asé subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(les), and that by his/her/their signature(a) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. OLGA ROBERTS WITNESS my hand and official seal. Notary Public - California Orange County Commission # 2155313 Signature_ My Comm. Expires May 30, 2020 Signature of Notary Public Place Notary Seal Above OPTIONAL --Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document. Description of Attached Document Title or Type of Document: <u>45519 n かんめも</u> Document Date: <u>4/24/2017</u> Number of Pages: <u>Signer(s) Other Than Named Above:</u> Capacity(ies) Claimed by Signer(s) Signer's Name: _____ Signer's Name: _ ☐ Corporate Officer — Title(s): _____ ☐ Corporate Officer — Title(s): _____ ☐ Partner — ☐ Limited ☐ General ☐ Partner — ☐ Limited ☐ General ☐ Individual ☐ Attorney in Fact ☐ Individual ☐ Attorney in Fact ☐ Guardian or Conservator ☐ Guardian or Conservator ☐ Trustee ☐ Trustee ☐ Other: _ ☐ Other: ____

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Signer is Representing:

PATENT REEL: 046203 FRAME: 0863

Signer is Representing:

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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 One St. Jude Medical Drive, St. Paul, MN 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 therefore 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, reissnes, 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;

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

Date:			Terry L. Sterrett		
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Date:			Gregory K. Olson		
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Date:		
		Terry L. Sterrett
Date:		
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Date:	04/03/2018	***************************************
		Eric Lim
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Date:		Gregory K. Olson
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Date:		
		Teffrey A Schweitzer

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Page 2 of 5

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personally appeared Terry I. evidence to be the person whacknowledged to me that he	ME, a Notary Public in and for the under-mentioned place, . Sterrett, who proved to me on the basis of satisfactory hose name is subscribed to the foregoing assignment and executed the same in his authorized capacity and n of the same was a free will act and deed.
I certify under PENA that the foregoing paragraph	ALTY OF PERJURY under the laws of the State of California is true and correct.
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identity of the individual who and not the truthfulness, acc TODAY, BEFORE N personally appeared John J. (to be the person whose name acknowledged to me that he a acknowledged that execution	her officer completing this certificate verifies only the o signed the document to which this certificate is attached, uracy, or validity of that document. AE, a Notary Public in and for the under-mentioned place, Crow, who proved to me on the basis of satisfactory evidence is subscribed to the foregoing assignment and executed the same in his authorized capacity and of the same was a free will act and deed. LTY OF PERJURY under the laws of the State of California
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Assignors' Initials	

Page 3 of 5

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personally appeared Eric Lin be the person whose name is	IE, a Notary Public in and for the under-mentioned place, 1, who proved to me on the basis of satisfactory evidence to subscribed to the foregoing assignment and acknowledged me in his authorized capacity and acknowledged that free will act and deed.
I certify under PENA that the foregoing paragraph	LTY OF PERJURY under the laws of the State of California is true and correct.
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Page 4 of 5

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Assignors' Initials

Page 5 of 5

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Date:		Terry L. Sterrett
Date:		John J. Crow
Date:		Eric Lim
Date:	<u> </u>	Gregory K. Olson
Date:		Teffrey A. Schweitzer

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I certify under PENA that the foregoing paragraph	LTY OF PERJURY under the laws of the list is true and correct.	State of California
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A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached. and not the truthfulness, accuracy, or validity of that document. TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Eric Lim, 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. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. (Date) (County/City/State) SEAL (Commission Expiry Date) (Notary Public: Signature and Name) TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Gregory K. Olson, 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. Ramsey/St. Paul/Minnesota_ (County/City/State) LEMILY ANN VOGT \$ NOTATY PUBIC - MINESOTA \$ My Commission Expires January 31, 2019

Assignors' Initials
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Page 4 of 5

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)	(County/City/State)	SEAL.			
(Commission Expiry Date)	(Notary Public: Signature and Name)				

Page 5 of 5

WHEREAS, WE, Terry L. Sterrett of 21101 Shaw Lane, Huntington Beach, California 92646; John J. Crow of 3732 Conrad Avenue, San Diego, California 92117; Eric Lim of 12 Brisbane Court, Tustin, California 92780; Gregory K. Olson of 18004 Kent St. N.W., Elk River, Minnesota 55330; and Jeffrey A. Schweitzer of 1502 Huron Street, St. Paul, Minnesota 55108, bereinafter ASSIGNORS, have invented certain new and useful improvements in High Density Electrode Mapping Catheter, for which United States patent application number 62/324,067 was filed on 18 April 2016, United States patent application number 15/331,562 was filed on 21 October 2016, and International patent application number PCT/US2016/058244 was filed on 21 October 2016;

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 One St. Jude Medical Drive, St. Paul, MN 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 therefore 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 emire 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,

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may deem necessary or desirable to obtain and enforce proper protection for said invention throughout the world;

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 21 October 2015.

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

Date:		
		Terry L. Sterrett
S S		
Date		John J. Crow
Dates		Eric Lim
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Date:		Gregory K. Olson
Date: 3 Apri	i i i i i i i i i i i i i i i i i i i	Jeffish A. Schweitzer

Assignors' Initials
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personally appeared Terry L evidence to be the person wi acknowledged to me that he	ME, a Notary Public in and for the under- Starrett, who proved to me on the basis- tose name is subscribed to the foregoing of executed the same in his authorized capa to of the same was a free will act and deed	of satisfactory assignment and city and
I certify under PENA that the foregoing paragraph	LTY OF PERJURY under the lawe of the is true and correct.	e State of California
(Date)	(County/City/State)	
		SEAL
(Commission Expiry Date)	(Notary Public: Signature and Name)	
identity of the individual who	ner officer completing this certificate veri signed the document to which this certif wacy, or validity of that document.	
personally appeared John J. C to be the person whose name acknowledged to me that be s	IE, a Notary Public in and for the under-n frow, who proved to me on the basis of as is subscribed to the foregoing assignment executed the same in his authorized capaci of the same was a free will act and deed.	tisfactory evidence and
I cortify under PENAI that the foregoing paragraph i	TY OF PERJURY under the laws of the strue and correct.	State of California
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A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document. TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Eric Lim, 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 appointy and acknowledged that execution of the same was a free will act and deed. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. (Commission Expiry Date) (County/City/State) SEAL (Commission Expiry Date) (Notary Public: Signature and Name) TODAY, BEFORE MB, a Notary Public in and for the under-mentioned place, personally appeared Gregory K. Olson, who proved to me on the basis of eatisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged that execution of the same was a free will act and deed. (Date) (County/City/State) SEAL (Commission Expiry Date) (County/City/State) SEAL (Commission Expiry Date) (County/City/State) SEAL				
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(County/City/State) SEAL (Commission Expiry Date) (Notary Public: Signature and Name) Assignors' Initials	personally appeared Gregory K. Olson, 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			
(Commission Expiry Date) (Notary Public: Signature and Name) Assignors' Initials	(Date)			
Assignors' Initials		SEAL		
	(Commission Expiry Date)	(Notary Public: Signature and Name)		
Page 4 of 5				

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.

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Rashsey, St. Roul, Mase sota— (County/City/State) SEAL

JON . 31, 2022 (Commission Expiry Date)

(Notary Public: Signature and Name)

Assignors' Initials
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