506595657 04/06/2021

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 EPAS ID: PAT6642461 Stylesheet Version v1.2

SUBMISSION TYPE: NEW ASSIGNMENT

NATURE OF CONVEYANCE: ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
ALAN DE LA RAMA	11/20/2015
CARY HATA	11/20/2015
CARLO PAPPONE	02/25/2016

RECEIVING PARTY DATA

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

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	29759860

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: 16517563251

Email: leanne.hillesland@abbott.com

Correspondent Name: LEANNE HILLESLAND

Address Line 1: ONE ST JUDE MEDICAL RD Address Line 4: ST PAUL, MINNESOTA 55117

ATTORNEY DOCKET NUMBER:	0F-0505USC5
NAME OF SUBMITTER:	LEANNE HILLESLAND
SIGNATURE:	/Leanne Hillesland/
DATE SIGNED:	04/06/2021

Total Attachments: 10

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ASSIGNMENT

WHEREAS, WE, Alan de la Rama of 11315 Felson Street, Cerritos, California 90703; Cary Hata of 39 Waterspout, Irvine, California 92620; Donald C. Deno of 4090 137th Lane NW, Andover, Minnesota 55304; and Carlo Pappone of 9 Piazza San Giovanni, Cernusco Lombardone 23870, Italy, hereinafter ASSIGNORS, have invented certain new and useful improvements in FLEXIBLE HIGH-DENSITY MAPPING CATHETER TIPS AND FLEXIBLE ABLATION CATHETER TIPS WITH ONBOARD HIGH-DENSITY MAPPING ELECTRODES, for which United States patent application number 14/760,682 was filed on 13 July 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 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;

Assignors' Initials

AD CH DCD CP

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 13 July 2015.

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

Date: _///2-0/cc	
	Alan de la Rama
Date: 11/30/15	Cary Hata
Date:	
	Donald C. Deno
Date:	Carlo Pappone

Assign	ors' Inîtis	als		
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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 Alan de la Rama, 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.

November 20th, 2015 (Date) OKANGE, IRVINE, CALIFORNIA

(County/City/State)

JULT 10, 2019

(Commission Expiry Date)

SEAL

D. J. LEE

Commission No. 2118926
NOTARY PUBLIC-CALIFORNIA
DRANGE COUNTY
My Comm. Expires JULY 10, 2019

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 Cary Hata, 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.

NOVEMBER 20th, 2015

ORANGE, IRVINE, CAUFORNIA (County/City/State)

(Date) (County/City/Stat

SEAL

JULY 10, 2019

(Commission Expiry Date)

(Notary Patric: Signature and Name)

D. J. LEE

Commission No. 2118926 & NOTARY PUBLIC-CALIFORNIA CORANGE COUNTY May Comm. Express JULY 10, 2019

Assignors' Initials

AD CH DCD CP

Page 3 of 5

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Donald C. Deno, 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)		
personally appeared Carlo Pa evidence to be the person wh acknowledged to me that he	ME, a Notary Public in and for the under- appone, who proved to me on the basis of nose name is subscribed to the foregoing a executed the same in his authorized capac n of the same was a free will act and deed	satisfactory ssignment and city and	
(Date)	(County/City/State)	SEAL	
(Commission Expiry Date)	(Notary Public: Signature and Name)		

SAID ASSIGNEE HEREBY acknowledges the aforesaid statements and accepts the aforesaid Assignment, transfer, and set over of said invention;

Assignors' Initials

AD CH DCD CP

AND, IN TESTIMONY WHEREOF, said ASSIGNEE hereunto sets its hand on the under-mentioned day and year. (ASSIGNEE: Signature) Thomas Rendos Vice President St. Jude Medical, Cardiology Division, Inc. Awdyn H.B. Echart
(Witness Signature)

Printed name: Carolyo H.B. Eckart TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Thomas Rendos, 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. 17/2015 Hangun/Plymouth/MU (County/City/State) SHEENA KRISTINE KRANZ NOTARY PUBLIC - MINNESOTA

Assignors' Initials

AD CH DCD CP

(Commission Expiry Date)

(Notary Public: Signature and Name)

My Commission Expires January 31, 2020

ASSIGNMENT

WHEREAS, WE, Alan de la Rama of 11315 Felson Street, Cerritos, California 90703; Cary Hata of 39 Waterspout, Irvine, California 92620; Donald C. Deno of 4090 137th Lane NW, Andover, Minnesota 55304; and Carlo Pappone of 9 Piazza San Giovanni, Cernusco Lombardone 23870, Italy, hereinafter ASSIGNORS, have invented certain new and useful improvements in FLEXIBLE HIGH-DENSITY MAPPING CATHETER TIPS AND FLEXIBLE ABLATION CATHETER TIPS WITH ONBOARD HIGH-DENSITY MAPPING ELECTRODES, for which United States patent application number 14/760,682 was filed on 13 July 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 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;

Assis	gnors' Initia	ils		
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AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 13 July 2015.

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

Date:	Alan de la Rama
Date:	Cary Hata
Date:	Donald C. Deno
pare: <u>25/07/2016</u>	Carlo Pappone

Assignors' Initials

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Page 2 of 5

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 Alan de la Rama, 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)		
identity of the individual wh	her officer completing this certificate verifies only the o signed the document to which this certificate is attached, or validity of that document.		
personally appeared Cary Habe the person whose name is	ME, a Notary Public in and for the under-mentioned place, its, 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 PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.			
(Date)	(County/City/State)		
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(Commission Expiry Date)	(Notary Public: Signature and Name)		
Assignors' Initials //// AD CH DCD CP			

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personally appeared Carlo Pg evidence to be the person wh acknowledged to me that he	ME, a Notary Public in and for the under-mentioned place appone, who proved to me on the basis of satisfactory to be a subscribed to the foregoing assignment and executed the same in his authorized capacity and to of the same was a free will act and deed.
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personally appeared Carlo Pervidence to be the person whacknowledged to me that he acknowledged that execution	appone, who proved to me on the basis of satisfactory lose name is subscribed to the foregoing assignment and executed the same in his authorized capacity and nof the same was a free will act and deed. (County/City/State)

Page 4 of 5

Assignors' Initials

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AND, IN TESTIMONY WHEREOF, said ASSIGNEE hereunto sets its hand on the under-mentioned day and year.

(Date)	(ASSIGNEE: Signature)	
	Thomas Rendos	
	Vice President	
	St. Jude Medical, Cardiology Division	n, Inc.
	(Witness: Signature)	
	Printed name:	
	ME, a Notary Public in and for the under-m	
evidence to be the person whacknowledged to me that he	Rendos, who proved to me on the basis of nose name is subscribed to the foregoing as executed the same in his authorized capacitor of the same was a free will act and deed.	signment and
(Date)	(County/City/State)	
		SEAL
(Commission Expiry Date)	(Notary Public: Signature and Name)	
Assignors' Initials / / / AD CH DCD CP	/ Dean 5 of 5	

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