

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT4764726

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
REGENTS OF THE UNIVERSITY OF MINNESOTA	12/21/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ST. JUDE MEDICAL, CARDIOLOGY DIVISION, INC.
<b>Street Address:</b>	ONE ST. JUDE MEDICAL DRIVE
<b>City:</b>	ST. PAUL
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55117-9913
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15406013
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(651)756-2808
<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>	
<b>Phone:</b>	6517562000
<b>Email:</b>	jillian.awe@abbott.com
<b>Correspondent Name:</b>	MARK D. LAVENDER
<b>Address Line 1:</b>	5050 NATHAN LANE NORTH
<b>Address Line 4:</b>	PLYMOUTH, MINNESOTA 55442
<b>ATTORNEY DOCKET NUMBER:</b>	0B-140406US
<b>NAME OF SUBMITTER:</b>	JILLIAN K. AWE
<b>SIGNATURE:</b>	/Jillian K. Awe/
<b>DATE SIGNED:</b>	01/08/2018
<b>Total Attachments: 2</b>	
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## UNIVERSITY OF MINNESOTA

### ASSIGNMENT

WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA ("Assignor"), having offices at 600 McNamara Alumni Center, 200 Oak Street SE, Minneapolis, Minnesota 55455-2020, possesses the entire right, title and interest in and to

UMN Z09114 Flexible Tactile Sensor Array for Catheters, for which applications for Letters Patents of the United States have been made, and which may be identified in the United States Patent Office by Serial Nos. USSN 61/235,937, USSN 13/391,514, USSN 14/948,816, PCT/US2010/046190 and EP10748182.2; (collectively, the "Applications"); and

WHEREAS, St. Jude Medical, Cardiology Division, Inc., a corporation organized under the laws of the State of Delaware, having its principal place of business at One St. Jude Medical Drive, St. Paul, MN 55117-9983 ("Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention, said application and in, to and under any and all Letters Patent to be obtained therefore;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor has sold, assigned, transferred and set over and by these presents do sell, assign, transfer and set over unto Assignee, its successors and assigns, the entire right, title and interest in and to the inventions set forth hereinabove and the entire right, title and interest in and to any and all Letters Patent of the United States and any foreign countries which may be granted therefor on the Applications including rights under the International Convention for the Protection of Industrial Property, the Paris Convention, the Patent Cooperation Treaty or any other convention, treaty, agreement or understanding, and in and to any and all extensions, divisions, continuations, continuations-in-part or reissues of said Applications and Letters Patent that may be granted, the same to be held and enjoyed by Assignee for its own use and benefit and use and benefit of its successors and assigns to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor had this assignment and sale not been made specifically including the right to enforce such Letters Patent in the name of Assignee and to recover damages for past infringement of the rights conveyed herein. Notwithstanding the foregoing, Assignor retains an irrevocable, world-wide, royalty-free, non-exclusive right to use the inventions claimed in the Applications for teaching, research and educational purposes and may also sublicense such right to one or more non-profit academic or research institutions, provided that Assignor uses all reasonable efforts to provide advance written notice to Assignee of such sublicense and provided further that any such sublicense shall expressly prohibit any such sublicensee from further sublicensing the rights vested in the Assignor in this sentence.

Assignor hereby authorizes said Assignee, its successors and assigns, or anyone it may properly designate, to apply for Letters Patent, in its own name if desired, in any and all foreign

UMN Case No. Z09114

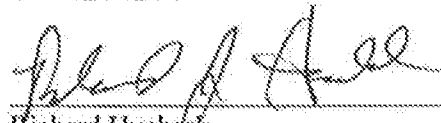
countries, and additionally to claim the filing date of said United States application and/or otherwise take advantage of the provisions of the International Convention for the Protection of Industrial Property, the Paris Convention, the Patent Cooperation Treaty or any other convention, treaty, agreement or understanding.

Upon said consideration Assignor does hereby covenant and agree with said Assignee, its successors and assigns, that Assignor will not execute in writing or do any act whatsoever conflicting with these presents, and that Assignor at any time upon request, without further or additional consideration, but at the expense of said Assignee, its successors and assigns, execute such additional writings and do such additional acts as said Assignee, its successors and assigns, may deem necessary for desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, reissues or extended Letters Patent of the United States, or of any and all foreign countries on said invention, and in enforcing any rights occurring as a result of such application or patents, by giving testimony in any proceedings or transactions involving such applications or patents.

Assignor hereby requests the Honorable Commissioner of Patents and Trademarks to issue the Letters Patent to Assignee in accordance with the Applications set forth this instrument.

IN WITNESS WHEREOF, I have hereunto set my hand on this 21<sup>st</sup> day of December, 2015 on behalf of Assignor:

REGENTS OF THE UNIVERSITY  
OF MINNESOTA



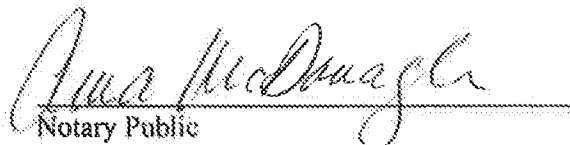
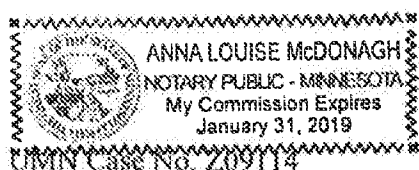
Richard Huebsch  
Associate Director  
Office for Technology Commercialization

STATE OF MINNESOTA

COUNTY OF HENNEPIN

On this 21<sup>st</sup> day of December, 2015, before me personally appeared Richard Huebsch, to me known to be the person described in and who executed the foregoing instrument and acknowledged that s/he executed the same as his/her free act and deed.

IN WITNESS WHEREOF, I have hereunto affixed my official signature with the seal of my office, the day and year above written.

  
Notary Public