

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT5364586

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
XIAOPING GUO	11/06/2014
DAVID P. JOHNSON	03/18/2015
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ST. JUDE MEDICAL, CARDIOLOGY DIVISION, INC.
<b>Street Address:</b>	177 EAST COUNTY ROAD B
<b>City:</b>	ST. PAUL
<b>State/Country:</b>	MINNESOTA
<b>Postal Code:</b>	55117
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	15916669
<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>	ST. JUDE MEDICAL, CD, INC.
<b>Address Line 2:</b>	177 EAST COUNTY ROAD B
<b>Address Line 4:</b>	ST. PAUL, MINNESOTA 55117
<b>ATTORNEY DOCKET NUMBER:</b>	0B-1453USC2
<b>NAME OF SUBMITTER:</b>	JILLIAN K. AWE
<b>SIGNATURE:</b>	/Jillian K. Awe/
<b>DATE SIGNED:</b>	02/07/2019
<b>Total Attachments: 2</b>	
source=Parent Executed Assignment#page1.tif	
source=Parent Executed Assignment#page2.tif	

## ASSIGNMENT

WHEREAS, WE, Xiaoping Guo of 9136 Gateway Lane, Eden Prairie, Minneapolis, Minnesota 55347, United States of America; and David P. Johnson of 6300 Georgia Avenue North, Brooklyn Park, Minnesota 55428, United States of America, hereinafter ASSIGNORS, have invented certain new and useful improvements in multilayered catheter shaft containing polyvinylidene fluoride polymers, for which United States provisional patent application number 61/792,644 was filed on 15 March 2013; and utility patent application number 14/214,548 was filed on 14 March 2014;

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

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 15 March 2013.

Assignors' Initials

X.P.G. / D.P.J.

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

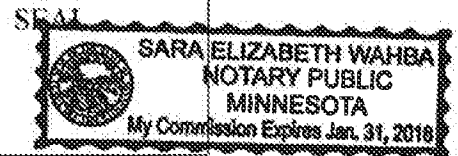
Date: 11/6/2014 Xiaoping Guo  
Xiaoping Guo

Date: 3/18/15 David P. Johnson  
David P. Johnson

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Xiaoping Guo, 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.

11-6-2014 Hennepin/Plymouth/Minnesota  
(Date) (County/City/State)

1-31-2018 Sara Wahba  
(Commission Expiry Date) (Notary Public: Signature and Name)

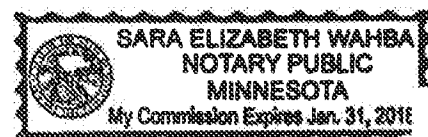


TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared David P. Johnson, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

3/18/2015 Hennepin/Plymouth/Minnesota  
(Date) (County/City/State)

1-31-2018 Sara Wahba  
(Commission Expiry Date) (Notary Public: Signature and Name)

SEAL



Assignors' Initials

X. G. / D. J.