

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
YOUSEF F. ALKHATIB	03/17/2010
MICHAEL J. GIRARD	03/12/2010
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ST. JUDE MEDICAL, 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
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	15466218
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<b>ATTORNEY DOCKET NUMBER:</b>	STJUDE 3.3-102 CCCC
<b>NAME OF SUBMITTER:</b>	TRACI KRAUSS
<b>SIGNATURE:</b>	/Traci Krauss/
<b>DATE SIGNED:</b>	03/29/2017
<b>Total Attachments: 2</b>	
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**ASSIGNMENT**

WHEREAS, we, Yousef F. Alkhatib and Michael J. Girard, residing, respectively, at 5828 West 78<sup>th</sup> Street, Edina, Minnesota 55439 and 6318 White Owl Drive, Lino Lakes, Minnesota 55014, have made an invention entitled:

**COLLAPSIBLE/EXPANDABLE PROSTHETIC HEART VALVES WITH NATIVE  
CALCIFIED LEAFLET RETENTION FEATURES**

for which an application is about to be made for Letters Patent of the United States, said application having been executed on even date herewith, and which may be identified in the United States Receiving Office by Serial No. PCT/US08/011181 filed on September 26, 2008; and

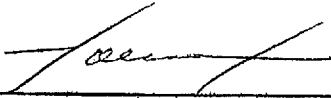
WHEREAS, St. Jude Medical, Inc., a corporation organized and existing under the laws of Minnesota and having an office and place of business at One St. Jude Medical Drive, St. Paul, MN 55117, is desirous of acquiring the entire interest in said invention, said United States patent application and in any Letters Patent which may issue thereon;

NOW, THEREFORE, be it known that for and in consideration of the sum of One Dollar (\$1.00) to us paid, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we do hereby sell, assign, and transfer unto the said St. Jude Medical, Inc., its successors, assigns, and legal representatives, all right, title, and interest in and to said invention and any improvements thereon for all countries of the world, and in and to said application, including any continuations and divisions thereof, and any substitute applications therefore, and any patent which may issue thereon, and any reissues of the same; and all right, title, and interest in and to every patent application filed on said invention in any other country, including renewals, revivals, continuations, and divisions thereof, and any substitute applications therefor, and any and all patents which may issue thereon, and any reissues and extensions of the same; and we hereby authorize and

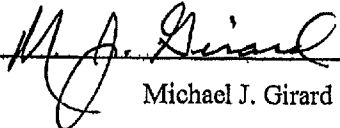
request competent authorities to grant and issue any and all patents on said invention to the said St. Jude Medical, Inc. as the assignee of the entire interest therein; and we further agree to execute upon request of the assignee such additional documents, if any, as are necessary and proper to secure patent protection on said invention throughout all countries of the world, and otherwise to give full effect to and perfect the rights of the assignee under this Assignment.

IN TESTIMONY WHEREOF, we have hereunto signed our names on the date indicated hereinafter:

3/17/10  
Date

  
Yousef F. Alkhatib

12 MAR 10  
Date

  
Michael J. Girard