#### 10/15/2018 505141516

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5188281

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
PETER N. BRAIDO	07/18/2018
KENT J. SMITH	07/17/2018
ANDREA L. MCCARTHY	07/18/2018
ANDREA N. PARA	07/17/2018
THOMAS M. BENSON	07/19/2018
SARAVANA B. KUMAR	08/16/2018
BRUCE MOSEMAN	07/17/2018
GAURAV SATAM	08/22/2018

#### 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: 1**

Property Type	Number
Application Number:	15310915

#### **CORRESPONDENCE DATA**

(908)654-0415 Fax Number:

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: (908) 518-6335

Email: assignment@lernerdavid.com

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP **Correspondent Name:** 

Address Line 1: 600 SOUTH AVENUE WEST

Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	STJUDE 3.3F-336
NAME OF SUBMITTER:	MELINDA C. CORMIER
SIGNATURE:	/Melinda C. Cormier/

DATE SIGNED:	10/15/2018	
Total Attachments: 8		
source=CD-958USO2 Executed Assignments#page1.tif		
source=CD-958USO2 Executed Assignments#page2.tif		
source=CD-958USO2 Executed Assignments#page3.tif		
source=CD-958USO2 Executed Assignr	ments#page4.tif	
source=CD-958USO2 Executed Assignr	ments#page5.tif	
source=CD-958USO2 Executed Assignments#page6.tif		
source=CD-958USO2 Executed Assignments#page7.tif		
source=CD-958USO2 Executed Assignments#page8.tif		

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
	STJUDE 3.3F-336 (E)	
WHEREAS, I, Peter N. Braido of 21460 Heidelberc St. NE: Linwood, Minnesota 55092, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SUBANNULAR SEALING FOR PARAVALVULAR LEAK PROTECTION" (hereafter "Patent Application"),		
WHEREAS (if the left box is checked), the International Patent Application     PCT/US2015/030358 , designating the United States.		
WHEREAS (if the left box is checked), the Patent Application names the following inventors:  Peter N. Braido, Kent J. Smith, Andrea L. McCanthy, Andrea N. Para, Sounthera (Ott) Khousnaboua, Thomas M. Benson,  Saravana Kumar, Bruce A. Moseman, and Gauray C. Setam (and whereas I hereby authorize Lerner, David, Littenberg,  Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 15/310,915 filed on November 14, 2016 ] the  application number and filing date of the application when known), and		
WHEREAS, <u>St. Jude Medical, Cardiology Division, Inc.</u> , incorporated having a place of business at <u>177 East County Road B; St. Paul, Minnesota 5</u> : of acquiring, or has acquired and is desirous of memorializing its acquisition fur in same;	1117 (hereafter, the "assignee") is desirous	
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.		
I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application No. 61/894.271, filed May 16, 2014, such provisional application being considered an Assigned Application for all purposes herein.		
18 July 2018 1/2 (Date)	(Signature)	
State of Minnesota (County) of 100000000000000000000000000000000000		
This instrument was acknowledged before me on 104 18, 2018 by	Peter N. Braido.	
(SEAL) (SEAL) (SEAL)		
Title (and Rank)		

MEGAN LYNN WOLOWICZ

A Commission Enbuss raw 11' 5051 A

NOTARY PUBLIC - MINNESOTA My Commission Expires Jan. 31, 2021

	Docket Number (Optional)	
assignment of utility application		
	STJUDE 3.3F-336 (E)	
WHEREAS, I. Kent J. Smith of 680 White Birch Drive; Shoreview, Minnesota, 55126, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SUBANNULAR SEALING FOR PARAVALVULAR LEAK PROTECTION" (hereafter "Patent Application").		
WHEREAS (if the left box is checked), the International Patent Application is	as filed on May 12, 2015, as	
PCT/US2015/030356 designating the United States.		
WHEREAS (if the left box is checked), the Patent Application names the f Pater N. Braido, Kent J. Smith, Andrea L. McCarthy, Andrea N. Para, Sounthara (Cit)	***	
Sarayana Kumar Bayro A Masaman and Gayray C Salam (and whereas theyshu)	markatii bisar Parin Litterbare	
Knumholz & Mentilk, LLP, to insent in here in brackets [Application No. 15/310.915	, filed on Navember 14, 2016. I the	
application number and filing date of the application when known), and		
WHEREAS, <u>St. Jurie Medical, Cardiology Division, inc.</u> , incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>177 East County Road B. St. Paul, Minnesota, 55117</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same:		
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuent to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provision Kersof, if any provision herein is unemforceable, the requirements of the provision shall remain to the full extent permissible by taw and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.  If further agree to assign, and hereby do assign, to assignee my entire right, t		
State of Minnesote (County) of Kanyon		
This instrument was acknowledged before me on 110 Gpm) OD by Kent J. Smith.		
(SEAL)		
The (and Rank)	An Abrollan Brother Brother I	
My commission expires 1/31/00 > (	MARY TTHOMPSON Appay Poblic Minnesota Ay Commisson Expires Jan 31, 2022	

#### ASSIGNMENT OF UTILITY APPLICATION

ACCIONNENT OF STREET ACCIDATION	STJUDE 3.3F-336 (E)	
WHEREAS, I, <u>Andrea L. McCarthy</u> of <u>425 Springhill Road; Vadnais Heights, Minnesota 55127</u> , have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SUBANNULAR SEALING FOR PARAVALVULAR LEAK PROTECTION" (hereafter "Patent Application"),		
WHEREAS (if the left box is checked), the International Patent Application was filed on May 12, 2015, as PCT/US2015/030358 , designating the United States.    X   WHEREAS (if the left box is checked), the Patent Application names the following inventors:   Peter N. Braido, Kent J. Smith, Andrea L. McCarthy, Andrea N. Para, Sounthara (Ott) Khouengboua, Thomas M. Benson, Saravana Kumar, Bruce A. Moseman, and Gaurav C. Satam (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 15/310,915 , filed on November 14, 2016 ] the application number and filing date of the application when known), and		
WHEREAS, <u>St. Jude Medical</u> , <u>Cardiology Division</u> , <u>Inc.</u> , incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>177 East County Road B; St. Paul</u> , <u>Minnesota 55117</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;		
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.		
I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application No. 61/994,271, filed May 16, 2014, such provisional application being considered an Assigned Application for all purposes herein.  18 July 2018  Alexa L. McCauly		
18 July 2018 Uldrea J. (Date)	(Signature)	
(SEAL) (Signature of notarial officer) (SEAL) (Signature of notarial officer) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL) (SEAL)	MARY T THOMPSON Notery Public Minnesots My Commission Expires Jan 31, 2022	

## ASSIGNMENT OF UTILITY APPLICATION

	STJUDE 3.3F-336 (E)	
WHEREAS, I. Andrea N. Para of 600 W. County Line Road, #29-104; Highlands Rench, Colorado 80129, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SUBANNULIAR SEALING FOR PARAVALVULAR LEAK PROTECTION" (hereafter "Patent Application"),    X   WHEREAS (If the left box is checked), the International Patent Application was filed on May 12, 2015, as PCT/US2015/030358, designating the United States.    X   WHEREAS (If the left box is checked), the Patent Application names the following Inventors:   Peter N. Braido, Kent J. Smith, Andrea L. McCarthy, Andrea N. Para, Sounthara (Ott) Khouengboua, Thomas M. Benson, Saravana Kumar, Bruce A. Moseman, and Gauray C. Satam (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentilk, LLP, to Insert in here in brackets [Application No. 15/310,915, filed on November 14, 2016 ] the application number and filing date of the application when known), and		
WHEREAS, <u>St. Jude Medical, Cardiology Division, Inc.</u> , incorporated or ot having a place of business at <u>177 East County Road B; St. Paul, Minnesota 55117</u> of acquiring, or has acquired and is desirous of memorializing its acquisition further in same;	(hereafter, the "assignee") is desirous	
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, relessue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.		
I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application No. 61/994,271, filed May 16, 2014, such provisional application being considered an Assigned Application for all purposes herein.		
17 July 18 Anahaa	(Signature)	
State of Missouri COL PARO County (and/or city) of SILAPAHOE  On this 19th day of 14LY in the year 2016 before me, SEVERLY public in end for said state, personally appeared Andrea N. Para, known to me to be within Assignment, and acknowledged to me that she executed the same for the pure the same for the pure (SEAL) (Notary's Signature) (Notary's Typed or Printed Name) (Notary's Typed or Printed Name) (Notary's Typed or Printed Name) (Serial Number, if any)  My commission expires: 03-10-20 2 2	JNNON Itc rado 1004493	

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION		
	STJUDE 3.3F-336 (E)	
WHEREAS, I, Thomas M. Benson of 3423 Tyler Street NE; Minneapolis, Minnesota, 55418, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled		
"SUBANNULAR SEALING FOR PARAVALVULAR LEAK PROTECTION" (hereafter	ratent Application ),	
WHEREAS (if the left box is checked), the International Patent Application was filed on May 12, 2015, as PCT/US2015/030358 , designating the United States.		
WHEREAS (if the left box is checked), the Patent Application names the fi		
Peter N. Braido, Kent J. Smith, Andrea L. McCarthy, Andrea N. Para, Sounthara (Ott) Khouengboua, Thomas M. Benson, Sarayana Kumar, Bruce A. Moseman, and Gauray C. Salam (and whereas I hereby authorize Lemer, David, Littanbarg, Krumholz & Mentlik, LLP, to insert in here in brackets (Application No. 15/210.915 , flied on November 14, 2016 ) the application number and filing date of the application when known), and		
WHEREAS, St. Jude Medical, Cardiology Division, Inc., incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>177 East County Road B; St. Paul, Minnesota 55117</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;		
NOW. THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject meter described therein, any divisional continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee is reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending provision.  I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application No. 81/994-271, filed May 16, 2014, such provisional application being considered an A		
(Date)	(Signature)	
6/ste of Minnesota (County) of		
This instrument was acknowledged before me onby Thon	nas M. Benson.	
(SEAL)		
(Signature of notarial officer)	The state of the s	
Title (and Rank)	×	
My commission expires:	* ************************************	
	•	

ASSIGNMENT OF UTILITY APPLICATION	STJUDE 3.3F-336 (E)	
WHEREAS, I, Sarayana Kumar of 13824 Wood Lane; Minnetonka, Minnesota 55305, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SUBANNULAR SEALING FOR PARAVALVULAR LEAK PROTECTION" (hereafter "Patent Application"),   WHEREAS (if the left box is checked), the International Patent Application was filed on May 12, 2015, as		
PCT/US2015/030358 designating the United States.  X WHEREAS (if the left box is checked), the Patent Application names the following inventors:  Peter N. Braido, Kent J. Smith. Andrea L. McCarthy. Andrea N. Para, Sounthara (Ott) Khouengboua, Thomas M. Benson.  Saravana Kumar, Bruce A. Moseman, and Gaurav C. Satam (and whereas I hereby authorize Lerner, David, Littenberg, Krumhotz & Mentlik, LLP, to insert in here in brackets [Application No. 15/310,915 filed on November 14, 2016.] the application number and filing date of the application when known), and		
WHEREAS, St. Jude Medical, Cardiology Division, Inc., incorporated or otherwise formed in <u>Delaware</u> and having a place of business at 177 East County Road B; St. Paul, Minnesota 55117 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;		
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's repasse and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the pu		
I further agree to assign, and hereby do assign, to assignee my entire right Application No. 61/994,271, filed May 16, 2014, such provisional application being of all purposes herein.  Aug. 16, 2018  (Date)		
State of Minnesota (County) of <u>Are 1177 (X</u> Y)	Ť	
This instrument was acknowledged before me on August 16,36/8 by Saravana Kumar.  (SEAL)  (Signature official officer)		
	CEY K. POTTER OTARY PUBLIC MINNESOTA ssion Expires Jan. 31, 2021	

**REEL: 047166 FRAME: 0072** 

## ASSIGNMENT OF UTILITY APPLICATION

	STJUDE 3.3F-336 (E)	
WHEREAS, I, Bruce A. Moseman of 809 Daniel Drive; Belle Plaine, Minnesota 56011, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "SUBANNULAR SEALING FOR PARAVALVULAR LEAK PROTECTION" (hereafter "Patent Application"),     X   WHEREAS (if the left box is checked), the International Patent Application was filed on May 12, 2015, as PCT/US2015/030358, designating the United States.    X   WHEREAS (if the left box is checked), the Patent Application names the following inventors:   Peter N. Braido, Kent J. Smith, Andrea L. McCarthy, Andrea N. Para. Sounthara (Ott) Khouengboua, Thomas M. Benson, Saravana Kumar, Bruce A. Moseman, and Gauray C. Satam (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 15/310,915, filed on November 14, 2016 _] the application number and filing date of the application when known), and		
WHEREAS, St. Jude Medical, Cardiology Division, Inc., incorporated or otherwise formed in Delaware and having a place of business at 177 East County Road B; St. Paul, Minnesota 55117 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;		
NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.		
I further agree to assign, and hereby do assign, to assignee my entire right Application No. 61/994,271, filed May 16, 2014, such provisional application being all purposes herein.  (Date)	nt, title and interest in and to Provisional considered an Assigned Application for Market (Signature)	
State of Minnesota (County) of		

	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION		
	STJUDE 3,3F-335 (E)	
WHEREAS. I. Gauray C. Satam of 1309 Gibbs Ave., Falcon Heights, Minnesota 55108 ; have invented or discoveries, the subject matter of which is described in the patent application entitled "SUBANNULAR SEALING FOR PARAVALVULAR LEAK PROTECTION" (hereafter "Patent Application").  X WHEREAS (If the left box is checked), the International Patent Application was filed on May 12, 3015. as		
PCT/US2015/030358 designating the United States.		
WHEREAS (if the left box is checked), the Patent Application names the following inventors:  Peter N. Braido, Kent J. Smith, Andree L. McCerthy, Andrea N. Para, Scunthers (Ott) Khouengbous, Thomas M. Benson, Saravana Kumar, Bruce A. Moseman, and Gauray C. Satam (and whereas Thereby authorize Lemer, David, Uttenberg, Krumholz & Mentifik, LLP, to insert in here in brackets [Application No. 15/31() 915 filed on November 14, 2016 ] the application number and filing date of the application when known), and		
WHEREAS, <u>St. Jude Medical, Cardiplogy Division, Inc.</u> , incorporated or otherwise formed in <u>Delaware</u> and having a place of business at <u>177 East County Road B; St. Paul, Minnesota 55117</u> (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;		
NOW. THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's expension reasonable request I agree, without surther remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's expense and to provide other cooperation. Assignee may assign or transfer all or part of its rights set forth herein in its solic discretion, I agree that the assignee may affix its signature to this document as well as any other indicts of its acceptance of the provisions hereof, if any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.  I further agree to assign, and hereby do assign, to assignee my entire right, title and interest		
State of Minnesots (County) of		
This instrument was acknowledged before me onby Pe	ter N. Braido.	
(SEAL)		
Title (and Renk)		
My commission expires:		