

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3120731

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
MELINDA K. KOVACH	11/24/2014
REBECCA VOLOVSEK	10/01/2014
XUEMEI LI	10/01/2014
<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>	13747957
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(908)654-0415
<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>	(908) 518-6356
<b>Email:</b>	Assignment@ldlkm.com
<b>Correspondent Name:</b>	LDLK&M
<b>Address Line 1:</b>	600 SOUTH AVENUE WEST
<b>Address Line 4:</b>	WESTFIELD, NEW JERSEY 07090
<b>ATTORNEY DOCKET NUMBER:</b>	STJUDE 3.0-107
<b>NAME OF SUBMITTER:</b>	JOSEPH H. KARLIN
<b>SIGNATURE:</b>	/Joseph H. Karlin/
<b>DATE SIGNED:</b>	11/24/2014
<b>Total Attachments: 3</b>	
source=Assignment STJUDE 3.0-107 (1277)#page1.tif	
source=Assignment STJUDE 3.0-107 (1277)#page2.tif	
source=Assignment STJUDE 3.0-107 (1277)#page3.tif	

<b>ASSIGNMENT OF UTILITY APPLICATION</b>	Docket Number (Optional) <b>STJUDE 3.0-107 (CD-278)</b>
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Whereas, I, Melinda K. Kovach of 3430 Holly Lane North, Plymouth, Minnesota 55447

hereafter referred to as assignor, have with others invented certain new and useful improvements in ADJUSTMENT SUTURE MARKERS FOR ADJUSTABLE ANNULOPLASTY RING

☒ for which an application for a United States Letters Patent was filed on January 23, 2013

Application Number 13/747,957

☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_ and \_\_\_\_\_

Whereas, St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 177 East County Road B, St. Paul, MN 55117

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/591,528, filed January 27, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/591,528 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

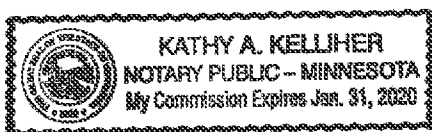
(Date) 11-24-2014 (Signature) Melinda K. Kovach

State of Minnesota ) SS:  
County of Washington )

On this 24 day of November, 2014 before me personally came the above-named Melinda K. Kovach, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Dorothy A. Hellebr  
(Notary Public)

☒ \*Total of 3 forms are submitted.



**ASSIGNMENT OF UTILITY APPLICATION**Docket Number (Optional)  
STJUDE 3.0-107 (CD-278)Whereas, I, Rebecca Volovsek of  
724 Badlands Road; Hudson, Wisconsin 54016

hereafter referred to as assignor, have with others invented certain new and useful improvements in

ADJUSTMENT SUTURE MARKERS FOR ADJUSTABLE ANNULOPLASTY RING☒ for which an application for a United States Letters Patent was filed on January 23, 2013Application Number 13/747,957☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_,  
andWhereas, St. Jude Medical, Cardiology Division, Inc.  
a corporation of Delaware herein referred to as "assignee" whose mailing address is  
177 East County Road B, St. Paul, MN 55117

is desirous of acquiring the entire right, title and interest in the same;

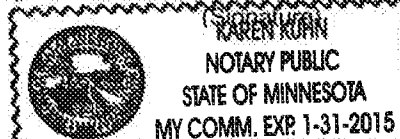
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/591,528, filed January 27, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/591,528 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

10-1-2014

(Date)

State of MINNESOTA ) SS:  
County of Ramsey )

On this 1 day of October, 2014, before me personally came the above named Rebecca Volovsek, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Karen Korn

(Notary Public)

☒ \*Total of 3 forms are submitted.**PATENT****REEL: 034251 FRAME: 0435**

# ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

STJUDE 3.0-107 (CD-278)

Whereas, I, XueMei Li of 595 Vicki Lane, Shoreview, Minnesota 55126

hereafter referred to as assignor, have with others invented certain new and useful improvements in

ADJUSTMENT SUTURE MARKERS FOR ADJUSTABLE ANNULOPLASTY RING

☒ for which an application for a United States Letters Patent was filed on January 23, 2013

Application Number 13/747,957

☐ for which an application for a United States Letters Patent was executed by me on \_\_\_\_\_ and

Whereas, St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 177 East County Road B, St. Paul, MN 55117

is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries in and to said invention and the aforesaid utility patent application and all original, divisional, continuation, continuation-in-part, substitute or reissue applications and patents applied for or granted therefor in the United States of America and all other countries, for said invention, including without limitation all applications and patents for said invention claiming priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to claim such priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all original, divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No. 61/591,528, filed January 27, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/591,528 pursuant to any law or treaty in the countries of the world.

And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

01 Oct 2014  
(Date)

XueMei Li  
(Signature)

State of Minnesota ) SS:  
County of Hennepin )

On this 1st day of October, 2014 before me personally came the above-named XueMei Li, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me that the same was executed by him/her of his/her own free will for the purposes therein set forth.

Mary Ann Kauphold  
(Notary Public)

☒ \*Total of 3 forms are submitted.



PATENT