503074127 11/24/2014

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3120731

SUBMISSION TYPE:		NEW ASSIGNMENT	NEW ASSIGNMENT				
NATURE OF CONVEYANCE:		ASSIGNMENT	ASSIGNMENT				
CONVEYING PARTY	DATA						
		Name	Name			Execution Date	
MELINDA K. KOVACH	ł					11/24/2014	1
REBECCA VOLOVSE	K					10/01/2014	1
XUEMEI LI						10/01/2014	
RECEIVING PARTY D	ΔΤΑ						
Name: ST. JUDE MEDICAL, CARDIOLOGY DIVISION, INC.							7
Street Address:	177 EAS	T COUNTY ROAD B					1
City:	ST. PAL	L					1
State/Country:	MINNES	OTA					1
Postal Code:	55117						1
Property Typ Application Number:		Number 3747957					
PROPERTY NUMBER	29 Total: 1						
Application Number:	1	3747957					
CORRESPONDENCE							
Fax Number:		908)654-0415					
	be sent to	the e-mail address first; if that if that is unsuccessful, it will					
Phone:	•	908) 518-6356					
Email:	A	ssignment@ldlkm.com					
Correspondent Name		DLK&M					
Address Line 1:		00 SOUTH AVENUE WEST					
Address Line 4:	V	VESTFIELD, NEW JERSEY 070	90				
ATTORNEY DOCKET	NUMBER:	STJUDE 3.0-107					
NAME OF SUBMITTER:		JOSEPH H. KARLIN	JOSEPH H. KARLIN				
SIGNATURE:		/Joseph H. Karlin/					
DATE SIGNED:		11/24/2014	11/24/2014				
Fotal Attachments: 3							
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	former PTO/SB/15 (8-00) Modified LDU
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-107 (CD-278)
Whereas, I,Melinda K. Kovach	of
3430 Holly Lane North; Plymouth, Minnesota 55447	······································
nereafter referred to as assignor, have with others invented certain n	ew and useful improvements in
ADJUSTMENT SUTURE MARKERS FOR ADJUSTA	
x for which an application for a United States Letters Pat	ent was filed onJanuary 23, 2013
Application Number13/747,957	
for which an application for a United States Letters Pater and	nt was executed by me on,
Whereas, <u>St. Jude Medical, Cardiology Division, Inc.</u> a corporation of <u>Delaware</u> herein referred to as "assignee" whose ma	illion addee on in
s desirous of acquiring the entire right, title and interest in the same;	<u></u>
invention and the aforesaid utility patent application and all orig substitute or reissue applications and patents applied for or grante other countries, for said invention, including without limitation all ap priority or benefit of the aforesaid utility application pursuant to any priority or benefit and the Commissioner of Patents and Trademark patents on said improvements or resulting therefrom to said assigned and the undersigned for me and my legal representatives, heirs ar urther remuneration, to execute and deliver all original, divisional cetters Patent on said improvements and all assignments thereof to said assignee or its representatives all facts known to the under requested, to testify in any interferences or other legal proceedings become involved, to sign all lawful papers, make all rightful oaths, assignee, its successors, assigns and nominees to obtain patent pro expenses incident to said applications to be borne and paid by said a	d therefor in the United States of America and all oplications and patents for said invention claiming law or treaty, and including the right to claim such is is hereby authorized and requested to issue all e herein, as assignee of the entire interest therein ad assigns do hereby agree and coverant without l, continuation, reissue and other applications for o said assignee or its assigns, to communicate to rsigned respecting said improvements, whenever is in which any of said applications or patents may and to do generally everything necessary to aid backing for said improvements in all countries the
as assignor, hereby assign to said assignee all of my right, title ar lo <u>61/591,528</u> , filed <u>January 27, 2012</u> , and in the Invention disclose ght to claim priority or benefit of said Application No. <u>_61/591,528</u> p rorld.	of therefo in all countries of the world including the
and I do hereby authorize my attorneys to insert on this deed the fill then known.	ng date and application number of said application
11-24-2014 11/	elinda K. Kovach
	ature)
tate of <u>Minnesota</u>) SS: Sounty of <u>Weshington</u>)	
In this <u>24</u> day of <u>Nov can be a 0/4</u> before me <u>ovach</u> , to me personally known as the individual who executed the nat the same was executed by him/her of his/her own free will for the <u>Attack</u> <u>A. Klitch</u>	e forenning instrument who schoolded to mo
x *Total of <u>3</u> forms are submitted.	
KATHY A. KELLIHER NOTARY PUBLIC MINNESOTA My Commission Expires Jan. 31, 2020	PATENT

REEL: 034251 FRAME: 0434

3231194

~~~~	-		former PTO/SB/15 (5:00) Modified
ASSIGN	MENT OF UTILITY	APPLICATION	STJUDE 3.0-107 (CD-278)
Whereas, I,	Rebecca Volovsek		of
724 Bac	llands Road; Hudson, Wisco	onsin 54016	
ereafter referre	d to as assignor, have with	others invented certain	new and useful improvements in
ADJU	STMENT SUTURE MAP	RKERS FOR ADJUST	ABLE ANNULOPLASTY RING
x for	which an application for a	United States Letters Pa	tent was filed on January 23, 2013
Ap	plication Number1	3/747,957	
for an		United States Letters Pate	ent was executed by me on,
Whereas,	St. Jude Medical, Carc	liology Division, Inc.	
	Delaware herein referred st County Road B, St. Paul		nailing address is
s desirous of ac	quiring the entire right, title	and interest in the same	· · · · · · · · · · · · · · · · · · ·
invention and ti substitute or reis- other countries, priority or benefi- patents on said and the undersi- further remuner Letters Patent of said assignee of requested, to te become involver assignee, its suc- expenses incide	ne aforesaid utility patent sue applications and pate for said invention, includin t of the aforesaid utility ap it and the Commissioner of improvements or resulting gned for me and my legal ation, to execute and deli n said improvements and or its representatives all f stify in any interferences of d, to sign all lawful paper cessors, assigns and non nt to said applications to be	t application and all or ents applied for or grant ng without limitation all oplication pursuant to an of Patents and Tradema therefrom to said assign representatives, heirs iver all original, division all assignments thereof facts known to the und or other legal proceeding s, make all rightful oath hinees to obtain patent p e borne and paid by said	of America and all other countries in and to said iginal, divisional, continuation, continuation-in-part, ed therefor in the United States of America and all applications and patents for said invention claiming y law or treaty, and including the right to claim such rks is hereby authorized and requested to issue all see herein, as assignee of the entire interest therein; and assigns do hereby agree and covenant without al, continuation, reissue and other applications for to said assignee or its assigns, to communicate to ersigned respecting said improvements, whenever gs in which any of said applications or patents may s, and to do generally everything necessary to aid protection for said improvements in all countries, the assignee. and interest in United States Provisional Application
No 61/591,528	filed January 27, 2012, ar	nd in the invention disclo	sed thereto in all countries of the world including the pursuant to any law or treaty in the countries of the
And I do hereby when known.	authorize my attorneys to	insert on this deed the	iling date and application number of said application
~	<u> 10 - 1 - 20 / 4</u> (Date)		Mieca Valousik
State of County of	MENNIG GOTH RAMGEY	) SS:	NOTARY PUBLIC STATE OF MINNESOTA MY COMM, EXP. 1-31-2015
<u>/olovsek</u> , to me hat the same wa	e personally known as the is executed by him/her of h	individual who executed	I the foregoing instrument, who acknowledged to me ne purposes therein set forth.
Kanen H	(Notary Public)		
x *Tota	l of 3 forms are su	bmitted.	
Cining .			PATENT

REEL: 034251 FRAME: 0435

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	
x 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 <u>Deleware</u> 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;	
invention and the aforesaid utility patent application and all original, divisional, continuation, continua substitute or reissue applications and patents applied for or granted therefor in the United States of Amel other countries, for said invention, including without limitation all applications and patents for said invention priority or benefit of the aforesaid utility application pursuant to any law or treaty, and including the right to priority or benefit and the Commissioner of Patents and Trademarks is hereby authorized and requested patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire inter and the undersigned for me and my legal representatives, heirs and assigns do hereby agree and coven further remuneration, to execute and deliver all original, divisional, continuation, reissue and other appli Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to comr said assignee or its representatives all facts known to the undersigned respecting said improvements, requested, to testify in any interferences or other legal proceedings in which any of said applications or p become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything neces assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all co axpenses incident to said applications to be borne and paid by said assignee.	rica and all on claiming claim such to issue all est therein; ant without ications for nunicate to whenever atents may sary to aid untries, the
, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional No <u>61/591,528,</u> filed <u>January 27, 2012</u> , and in the invention disclosed thereto in all countries of the world in ight to claim priority or benefit of said Application No. <u>61/591,528</u> pursuant to any law or treaty in the coun world.	cluding the
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said when known.	application
010ct 2014 M	
(Date) (Signature)	
State of Minguesta ) SS:	
County of (Marrange)	
In this <u>and an anti-strain</u> <u>saff</u> before me personally came the above-named <u>Xur</u> ne personally known as the individual who executed the foregoing instrument, who acknowledged to me that was executed by him/her of his/her own free will for the purposes therein set forth. <u>Many Press Kangford</u> (Notary Public)	<u>eMei Li,</u> to t the same
x *Total of <u>3</u> forms are submitted.	
MARY A No State My Comm	NN KAUPHOLI Iary Public of Minnesota Missien Expir Iry 31, 2018

**ASSIGNMENT OF UTILITY APPLICATION** 

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**RECORDED: 11/24/2014** 

## PATENT REEL: 034251 FRAME: 0436

former PTO/SB/15 (8-03) Modified LDLK&M

Docket Number (Optional)

STJUDE 3.0-107 (CD-278)