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09/20/2013

Form PTO-1595 (Rev. 03-11) DMB No. 0869-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCI United States Patient and Trademark Offic		
RECORDATION FORM COVER SHEET			
PATENT	SONLY		
To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below			
1. Name of conveying party(les):	2. N ime and address of receiving party(ies)		
Huisun Wang (12/08/2011), Daniel J. Klima (08/30/2011), Ralph Joseph Thomas	Nan e: St. Jude Medical, Inc.		
(08/30/2011), and Gary W. Geiger (08/30/2011)	Intel nal Address:		
Additional name(s) of conveying party(les) attached?	Stre it Addrese:		
3. Nature of conveyance/Execution Date(s):			
Execution Date(s): in parentheses after Inven or name	Or e St. Jude Medical Drive		
Assignment Merger Change of Name			
Security Agreement Joint Research Agreement	City St. Paul		
Government Interest Assignment	Statii: <u>Minnesota</u>		
Executive Order 9424, Confirmatory Licens >	Country: United States of America Zip: 55117-9983		
Other	Add Ional name(s) & address(es)		
4. Application or patent number(s):	This document is being filed together with a new application.		
A. PatentiApplication No.(s)	E. Patent No.(s)		
13/211,486			
Additional numbers attached			
Name and address to whom correspondence concerning document should be mailed:	6. To al number of applications and palents involved:		
Name: Robert B. Cohen LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7. To al fee (37 CFR 1.21(h) & 3.41) \$ 40.00		
Internal Address: Atty. Dkt.: STJUDE 3.0-113			
Street Address: 600 South Avenue West	Authorized to be charged to deposit account		
	Enclosed		
	None required (government interest not affecting title		
City: Westfield	8. Pa /ment information		
State: NJ Zip: 07090			
Phone Number: 908-654-500()			
Fax Number: 908-654-7866	Dej osit Account Number 12-1095		
Email Address; mcormier@idikn .com	Authorized User Name Robert B. Cohen		
Signature: Kolen Ku-	September 20, 2013		
Sighatu e	Date		
Robert B. Cohen - 12,768	Total number of pages including cover 5		
Name of Person Signing	sheet, atlachmenta, and documents:		

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		former PTO/SB/15 (6-00) Modified LDLK
ASSIGNMENT OF UTILITY APP		Docket Number (Optional)
		STJUDE 3.0-113
Whereas, I, Hulsun Wang		of
6275 Fembrook Lane North; Maple Grove	Minnesota 55311	
nereafter referred to as assignor, have with other		v and useful improvements in
DELIVERY SYSTEM FOR COLLAF		•
x for which an application for a United		
Application Number 13/211	488	
for which an application for a United	······································	
end	States cetters Patent	was executed by me on,
Vhereas, St. Jude Medical, Inc.	Di ana ana ana ana ana ana ana ana ana an	4 B <u>117</u>
corporation of hereIn referred to as "assignee" One St. Jude Medical Drive; St. Paul, M		
desirous of acquiring the entire right, title and ir		
IOW, THEREFORE, In consideration of the sum		a lars (\$ 1.00), the receipt whereof
s acknowledged, and other good and valuable	consideration. I as a	ssignor hereby sell, assign and set over to said
ssignee my enfire right, title and interest for (he United States of	America and all other countries in and to said
ivention and the aforesaid utility patent appli ubstitute or reissue applications and patents a	cation and all originalized for or organized	hal, divisional, continuation, continuation-in-part, therefor in the United States of America and all
ther countries, for said invention, including with	out limitation all ap	l lications and patents for said invention claiming
riority or benefit of the aforesaid utility application	in pursuant to any la	w or treaty, and including the right to claim such
riority or benefit and the Commissioner of Pate	nts and Trademarks	is hereby authorized and requested to issue all
nd the undersidined for me and my legal repre-	con to salo assignee	herein, as assignee of the entire interest therein; assigns do hereby agree and covenant without
urther remuneration, to execute and deliver at	original, divisional,	continuation, reissue and other apollcations for
etters Patent on said improvements and all as	ignments thereof to	said assignee or its assigns, to communicate to
ally assignee of its representatives all facts we equested, to testify in any Interferences or othe	tegal proceedings	a gned respecting said improvements, whenever a which any of said applications or patents may
ecome involved, to sign all lawful papers, mak	e all rightful oaths,	ind to do generally everything necessary to aid
seignee, its successors, assigns and nominees	to obtain patent pro-	sction for said improvements in all countries, the
xpenses incident to said applications to be borne	and paid by said as	ignøe.
as assignor, hereby assign to said assignee al	of my right, title an	interest in United States Provisional Application
lo <u>61/374,456</u> , filed <u>August 17, 2010</u> , and in th	Invention disclosed	thereto in all countries of the world including the
orid.	Nu. <u>67/3/4/490</u> pt	rsuant to any law or treaty in the countries of the
od I do homby without a muchtaness to take a		
hen known.	on this deed the filin) date and application number of said application
		Lthe
DEC 8, 2011		
(Date)		(Signature)
tate of <u>Minnesota</u>) SS:	
ounty of Anaka)	
n this Sth day of Deckimber	2011 horas	personally came the above-named Huisun
21 KJ. KI KIN DAKADAUV KAAWA 997998. MAIVIA 1911	UNA AVAcutod the for	and and installation of the second
e same was executed by himsel of planer own	free will for the purpe	ses therein set forth.
KINDOK TUNA		
(Notary Public)		
X *Total of forms are submitted	5	LD-530/
	Ť.	
	14	ANDREA J PAHAN NOTARY PUBLIC
1	16	
	L	MINNESOTA PATENT My Communication Experiment June 31, 2015 REEL. 03 1393 FRAME: 03

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		former PTO/SB/15 (8-00) Modified LDLK&M
ASSIGNMENT OF UTILITY APP		Docket Number (Optional)
		STJUDE 3.0-113
Whereas, I, Daniel J. Klima		of
1129 1\$8th Ave. NW; Andover, Minnesot	1 55304	
hereafter referred to as assignor, have with other		w and useful improvements in
DELIVERY SYSTEM FOR COLLA	SIBLE HEART VA	LVE
x for which an application for a Unite	d States Letters Pate	nt was filed on <u>August 17, 2011</u>
Application Number 13/21	,486	
for which an application for a United	States Letters Paten	was executed by me on
and		
Whereas, St. Jude Medical, Inc.		
a corporation of herein referred to as "assignee	whose mailing addre	35 IS
One St Jude Medical Drive; St. Paul, N	innesota 55117-998	
Is desirous of adquiring the entire right, title and i	nterest in the same;	
NOW, THEREFORE, in consideration of the sun	of <u>one</u> d	illars (\$ 1.00), the receipt whereof
is acknowledged, and other good and valuable	consideration, I as	assignor hereby sell, assign and set over to said I America and all other countries in and to said
invention and the aforesaid utility patent app	lication and all orig	nal, divisional, continuation, continuation-in-part,
substitute or reissue applications and patents a	pplied for or grante	therefor in the United States of America and all
other countries, for said invention, including wi	hout limitation all ap	plications and patents for said invention claiming aw or treaty, and including the right to claim such
priority or benefit and the Commissioner of Pa	ents and Trademark	s is hereby authorized and requested to issue all
patents on said improvements or resulting there	from to said assigne	 herein, as assignee of the entire interest therein; d assigns do hereby agree and covenant without
further remuneration, to execute and deliver a	Il original, divisional	continuation, reissue and other applications for
Letters Patent on said improvements and all a	signments thereof t) said assignee or its assigns, to communicate to
said assignee or its representatives all facts	known to the under	signed respecting said improvements, whenever in which any of said applications or patents may
become involved, to sign all lawful papers, ma	ke all rightful oaths,	and to do generally everything necessary to aid
assignee, its successors, assigns and nominee	; to obtain patent pr	stection for said improvements in all countries, the
expenses incident to said applications to be bon		~
I, as assignor, hereby assign to said assignee :	ill of my right, title a	Id interest in United States Provisional Application
right to claim priority or benefit of said Application	n No. 61/374.458	d thereto in all countries of the world including the ursuant to any law or treaty in the countries of the
world.		
And I do hereby authorize my attomeys to inser	t on this deed the fill	ng date and application number of said application
when known.		
		$() \lambda (A)$
<u>30 - Ang - 2011</u> (Bate) State of <u>Minnegota</u> County of <u>Hernefin</u>	***********	Mayalt Dom-
(Bate)		(Signature)
State of Minnesota) SS:	-
On this 3 day of Arust	before me	personally came the above-named <u>Daniel J.</u> regoing instrument, who acknowledged to me that
Klima, to me personally known as the Individua	who executed the f	regoing instrument, who acknowledged to me that
the same was executed by him/her of his/her ow	n tree will for the pur	ioses therein set forth.
(Notary Public)		
x *Total of 4 forms are submitt		LD-530/
	ז	CHRISTINA KAY GROCKER
		Notary Public
	5	Minnesota PATENT My Comm. Expire
	1	REEL: 031335#FRAME: 081

		former PTO/SB/15 (8-00) M	Hodified LDLK&M
		Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLIC		STJUDE 3.0-113	
Whereas, I, Ralph Joseph Thomas			of
7616 113 1/2 Ave N; Champlin, Minnesota	55316		
hereafter referred to as assignor, have with other	B. Anna home was all the	v and usaful improvements in	
DELIVERY SYSTEM FOR COLLAF		-	
ana ana amin'ny faritr'o an Amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny faritr'o amin'ny fa	***************************************		-
x for which an application for a United	States Letters Pate	it was filed on <u>August 17, 2011</u>	
Application Number 13/211	.488		
for which an application for a United		was executed by me on	
and	Ulatos Collois I aloni		- '
Whereas, <u>St. Jude Medical, Inc.</u>			_
corporation of herein referred to as "assignee"			
One St. Jude Medical Drive; St. Paul, Mi	manual and a second sec	# # # # # management and # management and an an an and	
s desirous of acquiring the entire right, title and in	-		
NOW, THEREFORE, In consideration of the sum s acknowledged, and other good and valuable assignee my entire right, title and interest for nvention and the aforesaid utility patent appli- aubstitute or reissue applications and patents a other countries, for said invention, including with priority or benefit of the aforesaid utility applicati- priority or benefit and the Commissioner of Pate patents on said improvements or resulting thereif and the undersigned for me and my legal repre- turther remuneration, to execute and deliver al atial assignee or its representatives all facts is equested, to testify in any interferences or othe become involved, to sign all lawful papers, mai assignee, its successors, assigns and nominees appenses incident to said applications to be borne , as assigner, hereby assign to said assignee a No <u>61/374,458</u> , filed <u>August 17, 2010</u> , and in thight to claim priority or benefit of said Application	consideration, I as a he United States of cation and all origi plied for or granted iout limitation all ap on pursuant to any la ints and Trademarks om to said assignee sentatives, heirs and original, divisional, ilgnments thereof to nown to the unders r legal proceedings e all rightful oaths, to obtain patent pro and paid by said as I of my right, title an a invention disclosed	America and all other countries in an val, divisional, continuation, continuation therefor in the United States of America ilications and patents for said invention w or treaty, and including the right to co- is hereby authorized and requested to herein, as assignee of the entire intere assigns do hereby agree and covena continuation, reissue and other applic said assignee or its assigns, to commi- igned respecting said improvements, n which any of said applications or pai and to do generally everything necessa- ection for said improvements in all coun- signee.	er to said d to said on-In-part, ca and all o claiming laim such o issue all st therein; nt without ations for unicate to whenever tents may ary to aid ntries, the upplication luding the
vorld. And I do hereby authorize my attorneys to insert			
when known.			
30 Ant + 7.B11	1.	dekter	
(Date)		(Signature)	
State of Minesore) SS:		
county of)		
	Jal who executed the	sonally came the above-named <u>Ralph</u> of foregoing Instrument, who acknowledg ourposes therein set forth.	
(Notary Public)			
X *Total of <u>4</u> forms are submitte	 I.	LD-530/	
		CHRISTINA KAY C Notary Publ Minnesota PAGPHEN En Jan 31, 201 REEL: UST 333 PRA	ic

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	, 	former PTO/SB/15 (8-00) Modified LDLK	
		Docket Number (Optional)	
		STJUDE 3.0-113	
/hereas, I,Gary W. Geiger		of	
15720 Rockford Road #201; Plymouth, M	Il mesota 55446		
reafter referred to as assignor, have with othe	r ; invented certain ne	e v and useful improvements in	
DELIVERY SYSTEM FOR COLLA	<u>F SIBLE HEART VA</u>	<u>VE</u>	
x for which an application for a Unite	a States Letters Pate	ant was filed on <u>August 17, 2011</u>	
Application Number 13/21	<u></u>		
for which an application for a United and	d States Letters Paten	I was executed by me on,	
hereas, St. Jude Medical, Inc.			
corporation of herein referred to as "assignee			
One St. Jude Medical Onve; St. Paul, M desirous of acquiring the entire right, title and		1 	
ssignee my entire right, title and interest for ivention and the aforesaid utility patent app ubstitute or reissue applications and patents a ther countries, for said invention, including wi riority or benefit of the aforesaid utility applican riority or benefit and the Commissioner of Pa atents on said improvements or resulting there atents on said improvements or resulting there atents on said improvements or resulting there atents Patent on said improvements and all es and assignee or its representatives all facts acquested, to testify in any interferences or oth ecome involved, to sign all lawful papers, ma ssignee, its successors, assigns and nomineer expenses incident to said applications to be borr as assigner, hereby assign to said assignee a o <u>61/374,458</u> , filed <u>August 17, 2010</u> , and in t ght to claim priority or benefit of said Application orld.	he United States of a plied for or granted thout limitation all ap tion pursuant to any li- tion pursuant to any li- tions and Trademark of om to said assigned esentatives, heirs an all original, divisional sugnments thereof to brown to the under er legal proceedings all e all rightful oaths, s to obtain patent pro- tion and paid by said as a l of my right, title ar he invention disclose bit No. <u>61/374,458</u> p	In Interest in United States Provisional Application thereto in all countries of the world including the resuant to any law or treaty in the countries of the	
hên known,	t on this deed the fill	n) date and application number of said application	
8/30/2011		any / time	
(Date)		(Signature)	
tate of <u>Winnesota</u>) SS:		
ounty of the net of the set of th	_)		
	al who executed the fo	personally came the above-named <u>Garv W.</u> be egoing instrument, who acknowledged to me that be ses therein set forth.	
(Notary Public)	Rud Ammundati		
X *Total of 4 forms are submitte		LD-530/	
ORDED: 09/20/2013		CHRISTINA KAY CROCKER Notary Public Pia soani expires REEL: 091038 FRAME: 0	

RECORDED: 09/20/2013