

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2859079

SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RESUBMISSION OF CORRECTIVE ASSIGNMENT TO CORRECT ASSIGNEE'S ADDRESS, WHICH WAS PREVIOUSLY RETURNED UNDER NOTICE OF NON-RECORDATION DOC. NO. 502785664		
CONVEYING PARTY DATA			
	Name	Execution Date	
	BRADLEY CHARLES KNIPPEL	04/10/2014	
	HUISUN WANG	04/09/2014	
	RALPH JOSEPH THOMAS	04/08/2014	
	JACOB JOHN DALY	04/08/2014	
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:	13234782	
CORRESPONDENCE DATA			
Fax Number:	(908)654-0415		
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>			
Phone:	(908) 518-6356		
Email:	Assignment@ldlkm.com		
Correspondent Name:	LDLK&M		
Address Line 1:	600 SOUTH AVENUE WEST		
Address Line 4:	WESTFIELD, NEW JERSEY 07090		
ATTORNEY DOCKET NUMBER:	STJUDE 3.0-120		
NAME OF SUBMITTER:	JOSEPH H. KARLIN		
SIGNATURE:	/Joseph H. Karlin/		
DATE SIGNED:	05/16/2014		
Total Attachments: 12			
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PATENT

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PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
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EPAS ID: PAT2832259

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE'S ADDRESS previously recorded on Reel 032666 Frame 0496. Assignor(s) hereby confirms the ASSIGNMENT.

CONVEYING PARTY DATA

Name	Execution Date
BRADLEY CHARLES KNIPPEL	04/10/2014
HUISUN WANG	04/09/2014
RALPH JOSEPH THOMAS	04/08/2014
JACOB JOHN DALY	04/08/2014

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:	13234782

CORRESPONDENCE DATA

Fax Number: (908)654-0415

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.

Phone: (908) 518-6356

Email: Assignment@ldlkm.com

Correspondent Name: LDLK&M

Address Line 1: 600 SOUTH AVENUE WEST

Address Line 4: WESTFIELD, NEW JERSEY 07090

ATTORNEY DOCKET NUMBER:	STJUDE 3.0-120
NAME OF SUBMITTER:	JOSEPH H. KARLIN
SIGNATURE:	/Joseph H. Karlin/
DATE SIGNED:	04/28/2014

Total Attachments: 8

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United States Patent and Trademark Office

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The coversheet of the assignment is displayed below:

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>BRADLEY CHARLES KNIPPEL</td><td>04/10/2014</td></tr><tr><td>HUISUN WANG</td><td>04/09/2014</td></tr><tr><td>RALPH JOSEPH THOMAS</td><td>04/08/2014</td></tr><tr><td>JACOB JOHN DALY</td><td>04/08/2014</td></tr></tbody></table>	Name	Execution Date	BRADLEY CHARLES KNIPPEL	04/10/2014	HUISUN WANG	04/09/2014	RALPH JOSEPH THOMAS	04/08/2014	JACOB JOHN DALY	04/08/2014	
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Fax Number: (908)654-0415
Phone: (908) 518-6356
Email: Assignment@ldlkm.com
Correspondence will be sent via US Mail when the email attempt is unsuccessful.
Correspondent Name: LDLK&M
Address Line 1: 600 SOUTH AVENUE WEST
Address Line 4: WESTFIELD, NEW JERSEY 07090

**ATTORNEY DOCKET
NUMBER:**

STJUDE 3.0-120

NAME OF SUBMITTER:

JOSEPH H. KARLIN

Signature:

/Joseph H. Karlin/

Date:

04/14/2014

Total Attachments: 8

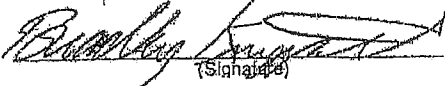
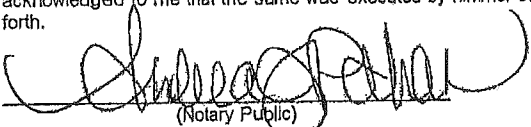

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RECEIPT INFORMATION

EPAS ID: PAT2812895
Receipt Date: 04/14/2014

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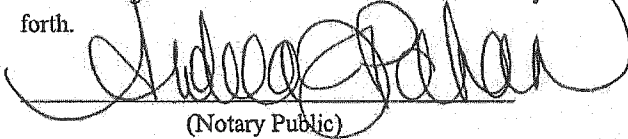
[| .HOME | INDEX | SEARCH | eBUSINESS | CONTACT US | PRIVACY STATEMENT](#)

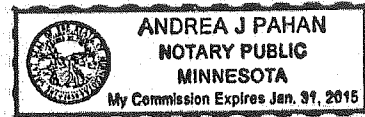
ASSIGNMENT OF PROVISIONAL APPLICATION	PTO/SB/15 (10-00) Modified Docket Number (Optional) STJUDE 3.8-120
Whereas, I, <u>Bradley Charles Knippel</u> of <u>570 Chippewa Trail, Lino Lakes, Minnesota 55014</u>	
hereafter referred to as Assignor, have with others invented certain new and useful improvements in STAGED DEVELOPMENT DEVICES AND METHODS TRANSCATHETER HEART VALVE DELIVERY	
<input checked="" type="checkbox"/> for which a provisional application for a United States Patent was filed on <u>September 17, 2010</u> Application Number <u>61/384,032</u>	
<input type="checkbox"/> for which a provisional application for a United States Patent was executed on _____ <u>Delaware**</u>	
and Whereas, <u>St. Jude Medical, Inc. St. Jude Medical, Cardiology Division,</u> a corporation of herein referred to as "assignee" whose mailing address is <u>Inc.*</u> <u>One St. Jude Medical Drive, St. Paul, Minnesota 55117-9983 177 East County Road B,</u> <u>St. Paul, Minnesota 55117***</u> is desirous of acquiring the entire right, title and interest in the same;	
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollar (\$ <u>1.00</u>), 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 provisional 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 provisional 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.	
And I do hereby authorize my attorneys, to insert on this deed the filing date and application number of said application when known.	
<u>17/SEP/2010</u> (Date)	 (Signature)
State of <u>Minnesota</u>) ss: County of <u>Anoka</u>)	
On this <u>17th</u> day of <u>September</u> , <u>2010</u> before me personally came the above-named <u>Bradley Charles Knippel</u> , 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.	
 (Notary Public)	

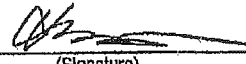


*initial BK
 date 10 APR 2014
 **initial BK
 date 10 APR 2014
 ***initial BK
 date 10 APR 2014

State of Minnesota) SS:
County of Anoka)

On this 10th day of April, 2014 before me personally came the above-named Bradley Charles Knippel, to me personally known as the individual who initialed the foregoing instrument, who acknowledged to me that the same was initialed by him of his own free will for the purposes therein set forth.


(Notary Public)



<small>PTO/SB/16 (8-201) Modified</small> ASSIGNMENT OF PROVISIONAL APPLICATION		Docket Number (Optional) STJUDE 3.8-120
Whereas, I, <u>Huisun Wang</u> of <u>6275 Fernbrook Lane North, Maple Grove, Minnesota 55311</u> hereafter referred to as Assignor, have with others invented certain new and useful improvements in STAGED DEVELOPMENT DEVICES AND METHODS TRANSCATHETER HEART VALVE DELIVERY <input checked="" type="checkbox"/> for which a provisional application for a United States Patent was filed on <u>September 17, 2010</u> Application Number <u>61/384,032</u> <input type="checkbox"/> for which a provisional application for a United States Patent was executed on _____ Delaware** and Whereas, <u>St. Jude Medical, Inc. St. Jude Medical, Cardiology Division,</u> a corporation of herein referred to as "assignee" whose mailing address is <u>Inc.*</u> <u>One St. Jude Medical Drive, St. Paul, Minnesota 55117-0000- 177 East County Road B,</u> <u>St. Paul, Minnesota 55117***</u> is desirous of acquiring the entire right, title and interest in the same;		
NOW, THEREFORE, in consideration of the sum of <u>one</u> dollar (\$ <u>1.00</u>), 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 provisional 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 provisional 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.		
And I do hereby authorize my attorneys, to insert on this deed the filing date and application number of said application when known.		
<u>SEP 17, 2010</u> (Date)	 (Signature)	
State of <u>Minnesota</u>) SS: County of <u>Hennepin</u>)		
On this <u>17th</u> day of <u>September</u> , <u>2010</u> before me personally came the above-named <u>Huisun Wang</u> , 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.		
 (Notary Public)		

*initial HW

date 04-09, 2014

**initial HW

date April 9, 2014

***initial HW

date April 9, 2014

STJUDE 3.0-120

State of Minnesota) SS:
County of _____)

On this ____ day of _____, 2013 before me personally came the above-named Huisun Wang, to me personally known as the individual who initialed the foregoing instrument, who acknowledged to me that the same was initialed by him of his own free will for the purposes therein set forth.

(Notary Public)

ASSIGNMENT OF PROVISIONAL APPLICATION	<small>PTO/SB/15 (R-00) Modified</small> Docket Number (Optional) STJUDE 3.8-120
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Whereas, I, Ralph Joseph Thomas of 7616 113 1/2 Ave N; Champlin, Minnesota 55316

hereafter referred to as Assignor, have with others invented certain new and useful improvements in **STAGED DEVELOPMENT DEVICES AND METHODS TRANSCATHETER HEART VALVE DELIVERY**

☒ for which a provisional application for a United States Patent was filed on September 17, 2010
Application Number 61/384,032

☐ for which a provisional application for a United States Patent was executed on _____

and Whereas, Delaware**
St. Jude Medical, Inc. St. Jude Medical, Cardiology Division,
a corporation of herein referred to as "assignee" whose mailing address is Inc.*
One St. Jude Medical Drive, St. Paul, Minnesota 55117-0983 177 East County Road B,
St. Paul, Minnesota 55117***
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 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 provisional 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 provisional 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.

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

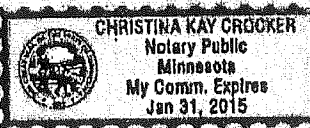
17 Sep 2010 (Date) [Signature] (Signature)

State of Minnesota) SS:
County of Hennepin)

On this 17th day of September, 2010 before me personally came the above-named Ralph Joseph Thomas, 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.

[Signature]
(Notary Public)

LD-5251




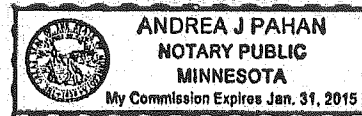
CHRISTINA KAY CROCKER
Notary Public
Minnesota
My Comm. Expires
Jan 31, 2015

*initial RT
date 08 Apr 2014
**initial RT
date 02 Apr 2014
***initial RT
date 08 Apr 2014

State of Minnesota) SS:
County of Anoka)

On this 8th day of April, 2014, before me personally came the above-named Ralph Joseph Thomas, to me personally known as the individual who initialed the foregoing instrument, who acknowledged to me that the same was initialed by him of his own free will for the purposes therein set forth.


(Notary Public)



ASSIGNMENT OF PROVISIONAL APPLICATION	<small>PTO/SB/15 (06-00) Nov/04</small> Docket Number (Optional) STJUDE 3,8-120
--	--

Whereas, I, Jacob John Daly of
12472 Fergus Ct, NE; Blaine, Minnesota 55449

hereafter referred to as Assignor, have with others invented certain new and useful improvements in
STAGED DEVELOPMENT DEVICES AND METHODS TRANSCATHETER HEART VALVE DELIVERY

☒ for which a provisional application for a United States Patent was filed on September 17, 2010
Application Number 61/384,032

☐ for which a provisional application for a United States Patent was executed on _____
Delaware**

and Whereas, St. Jude Medical, Inc. - St. Jude Medical, Cardiology Division,
a corporation of herein referred to as "assignee" whose mailing address is Inc.*
One St. Jude Medical Drive; St. Paul, Minnesota 55117-9983 177 East County Road B,
St. Paul, Minnesota 55117***
is desirous of acquiring the entire right, title and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$ 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 provisional 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 provisional 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.


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

17 SEPT 10 (Date) Jacob J. Daly (Signature)

State of Minnesota) SS:
County of Anoka)

On this 17th day of September 2010 before me personally came the above-named Jacob John Daly, 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.

[Signature]
(Notary Public)



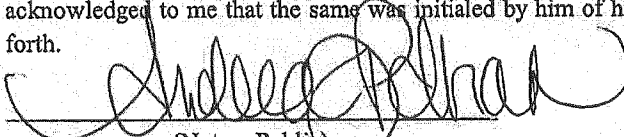
ANDREA J PAHAN
NOTARY PUBLIC
MINNESOTA
My Commission Expires Jan. 31, 2015

LD-5251

*initial J.D.
date 08 APR 14
**initial J.D.
date 08 APR 14
***initial J.D.
date 08 APR 14

State of Minnesota,) SS:
County of Anoka)

On this 8th day of April, 2014, before me personally came the above-named Jacob John Daly, to me personally known as the individual who initialed the foregoing instrument, who acknowledged to me that the same was initialed by him of his own free will for the purposes therein set forth.


(Notary Public)

