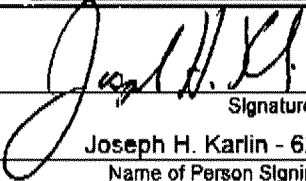



Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2015)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY	
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(ies): Benjamin E. Morris (05/03/2013), Eric E. Bielefeld (05/03/2013), and Gregory R. Furnish (05/02/2013) Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Name and address of receiving party(ies) Name: <u>St. Jude Medical, Inc.</u> Internal Address: _____ Street Address: _____ One St. Jude Medical Drive City: <u>St. Paul</u> State: <u>Minnesota</u> Country: <u>United States of America</u> Zip: <u>55117</u> Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance/Execution Date(s): Execution Date(s): <u>in parentheses after inventor name</u> <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Change of Name <input type="checkbox"/> Security Agreement <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other _____	4. Application or patent number(s): <input type="checkbox"/> This document is being filed together with a new application. A. Patent Application No.(s) <u>13/788,820</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Name and address to whom correspondence concerning document should be mailed: Name: <u>Joseph H. Karlin</u> <u>LENER, DAVID, LITTENBERG,</u> <u>KRUMHOLZ & MENTLIK, LLP</u> Internal Address: <u>Atty. Dkt.:</u> Street Address: <u>600 South Avenue West</u> City: <u>Westfield</u> State: <u>NJ</u> Zip: <u>07090</u> Phone Number: <u>908-654-5000</u> Fax Number: <u>908-654-7866</u> Email Address: <u>ataylor@ldlkm.com</u>	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 1.21(h) & 3.41) \$ <u>40.00</u> <input checked="" type="checkbox"/> Authorized to be charged to deposit account <input type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title)
9. Signature: <div style="text-align: center; margin-top: 20px;">  _____ Signature _____ Joseph H. Karlin - 62,471 Name of Person Signing </div>	8. Payment Information Deposit Account Number <u>12-1095</u> Authorized User Name <u>Joseph H. Karlin</u> Date <u>May 8, 2013</u> Total number of pages including cover sheet, attachments, and documents: 4

CH \$40.00 121095 13788820

former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-216 (CD-619&693)
<p>Whereas, I, <u>Benjamin E. Morris</u> of <u>3204 Heritage Heights Way, Jeffersonville, Indiana 47130</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>DEVICES AND METHODS FOR TRANSCATHETER HEART VALVE DELIVERY</u></p> <p><input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>March 7, 2013</u></p> <p>Application Number <u>13/788,820</u></p> <p><input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____ and _____</p> <p>Whereas, <u>St. Jude Medical, Inc.</u> a corporation of <u>Minnesota</u> herein referred to as "assignee" whose mailing address is <u>One St. Jude Medical Drive, St. Paul, Minnesota 55117</u> is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <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 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.</p> <p>I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application Nos. <u>61/642,875</u>, filed <u>May 4, 2012</u>, and <u>61/665,527</u>, filed <u>June 28, 2012</u>, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application Nos. <u>61/642,875</u> and <u>61/665,527</u> pursuant to any law or treaty in the countries of the world.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <p style="text-align: center;"><u>05/03/2013</u> (Date)</p> <p>State of <u>INDIANA</u>) SS: County of <u>CLARK</u>)</p> <div style="text-align: right;">  </div> <p>On this <u>3rd</u> day of <u>MAY</u>, <u>2013</u> before me personally came <u>Benjamin E. Morris</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.</p> <p><u>Trisha M. Williams</u> (Notary Public)</p> <p><input checked="" type="checkbox"/> *Total of <u>3</u> forms are submitted. LD-530/</p>	

former PTO/SB/16 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-216 (CD-619&693)
--	--

Whereas, I, Eric E. Bielefeld of 9300 Clyde Court; Floyds Knobs, Indiana 47119 hereafter referred to as assignor, have with others invented certain new and useful improvements in DEVICES AND METHODS FOR TRANSCATHETER HEART VALVE DELIVERY for which an application for a United States Letters Patent was filed on March 7, 2013 Application Number 13/788,820 for which an application for a United States Letters Patent was executed by me on _____ and

Whereas, St. Jude Medical, Inc. a corporation of Minnesota herein referred to as "assignee" whose mailing address is One St. Jude Medical Drive; 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 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 Nos. 61/642,875, filed May 4, 2012, and 61/665,527, filed June 28, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application Nos. 61/642,875 and 61/665,527 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.

5/3/2013
(Date)

State of INDIANA) SS:
County of CLARK)


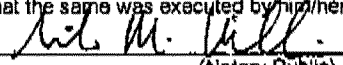
TRISK BARTWILLIAMS
Notary Public, State of Indiana
Clark County,
Commission # 597841
My Commission Expires
November 16, 2016

On this 3rd day of MAY, 2013 before me personally, ~~name~~ the above named Eric E. Bielefeld, 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)

<input checked="" type="checkbox"/> *Total of <u>3</u> forms are submitted.	LD-530/
---	---------

former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-216 (CD-619&693)
<p>Whereas, I, <u>Gregory R. Furnish</u> of <u>2614 Top Hill Road, Louisville, Kentucky 40206</u> hereafter referred to as assignor, have with others invented certain new and useful improvements in <u>DEVICES AND METHODS FOR TRANSCATHETER HEART VALVE DELIVERY</u> <input checked="" type="checkbox"/> for which an application for a United States Letters Patent was filed on <u>March 7, 2013</u> Application Number <u>13/788,820</u> <input type="checkbox"/> for which an application for a United States Letters Patent was executed by me on _____ and _____</p> <p>Whereas, <u>St. Jude Medical, Inc.</u> a corporation of <u>Minnesota</u> herein referred to as "assignee" whose mailing address is <u>One St. Jude Medical Drive, St. Paul, Minnesota 55117</u> is desirous of acquiring the entire right, title and interest in the same;</p> <p>NOW, THEREFORE, in consideration of the sum of <u>one</u> dollars (\$ <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 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.</p> <p>I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application Nos. <u>61/642,875</u>, filed <u>May 4, 2012</u>, and <u>61/665,527</u>, filed <u>June 28, 2012</u>, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application Nos. <u>61/642,875</u> and <u>61/665,527</u> pursuant to any law or treaty in the countries of the world.</p> <p>And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.</p> <p style="text-align: center;"> <u>5/3/2013</u> (Date) </p> <p>State of <u>INDIANA</u>) SS: County of <u>CLARE</u>)</p> <div style="text-align: right; margin-right: 100px;">  </div> <p>On this <u>2ND</u> day of <u>MAY</u>, <u>2013</u> before me personally came <u>Gregory R. Furnish</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.</p> <p style="text-align: center;">  (Notary Public) </p>	
<input checked="" type="checkbox"/> *Total of <u>3</u> forms are submitted. LD-530/	