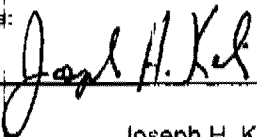


Form PTO-1595 (Rev. 03-11)
OMB No. 0651-0027 (exp. 03/31/2015)

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 (07/11/2013), John Miser (07/11/2013), Gregory R. Furnish (07/11/2013), Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> Yes <input 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>13/785,695</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>LERNER, 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>mcormier@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)
8. Payment Information Deposit Account Number <u>12-1095</u> Authorized User Name <u>Joseph H. Karlin</u>	
9. Signature: <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  _____ Signature <u>Joseph H. Karlin - 62,471</u> Name of Person Signing </div> <div style="text-align: center;"> <u>August 12, 2013</u> _____ Date </div> <div style="text-align: center;"> Total number of pages including cover sheet, attachments, and documents: 7 </div> </div>	

CH \$40.00 121095 13785695

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)	
Additional Conveying Party(ies)/Execution Date(s) (1. Continued): Wayne Allen Johnson (07/11/2013), and Mark Griffin (07/15/2013)	
Additional Assignees (2. Continued):	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Assignee Name: _____ Internal Address: _____ Street Address: _____ City: _____ State: _____ Country: _____ Zip: _____	
Additional Applications and/or Patents (4. Continued):	
Additional Patent Application Numbers 4A. Continued:	Additional Patent Numbers 4B. Continued:
Additional numbers attached? <input type="checkbox"/> Yes <input type="checkbox"/> No	

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

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)
STJUDE 3.0-164 (CD-498)

Whereas, I, Benjamin E. Morris of
3204 Heritage Heights Way; Jeffersonville, Indiana 47130

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

APPARATUS AND METHOD FOR HEART VALVE REPAIR

☒ for which an application for a United States Letters Patent was filed on March 5, 2013

Application Number 13/785,695

☐ 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.

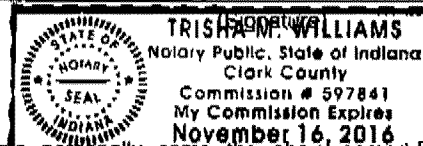
I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No., 61/678,897, filed August 2, 2012, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 61/678,897 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.

07/11/2013

(Date)

State of INDIANA) SS:
County of CLARK)



On this 11th day of JULY, 2013 before me personally came the above named Benjamin E. Morris, 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.

Trish M. Williams
(Notary Public)

☒ *Total of 5 forms are submitted.

LD-530/

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

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-164 (CD-498)
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Whereas, I, John Miser of
4002 Maplehurst Drive; Crestwood, Kentucky 40014
 hereafter referred to as assignor, have with others invented certain new and useful improvements in
APPARATUS AND METHOD FOR HEART VALVE REPAIR
☒ for which an application for a United States Letters Patent was filed on March 5, 2013
 Application Number 13/785,695
☐ 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;

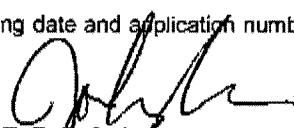
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof
 is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said
 assignee my entire right, title and interest for the United States of America and all other countries 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
 No. 61/678,897, filed August 2, 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. 61/678,897 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.

7/11/2013
 (Date)

State of INDIANA) SS:
 County of CLARK)


 (Signature) WILLIAMS
 Notary Public, State of Indiana
 Clark County
 Commission # 597841
 My Commission Expires
 November 16, 2016

On this 11TH day of JULY, 2013 before me personally came the above named John Miser, 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>5</u> forms are submitted.	LD-530/
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former PTO/SB/15 (8-00) Modified LDLK&M

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)
STJUDE 3.0-164 (CD-498)Whereas, I, Gregory R. Furnish of
2614 Top Hill Road; Louisville, Kentucky 40206

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

APPARATUS AND METHOD FOR HEART VALVE REPAIR☒ for which an application for a United States Letters Patent was filed on March 5, 2013Application Number 13/785,695☐ 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 isOne St. Jude Medical Drive; St. Paul, Minnesota 55117

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

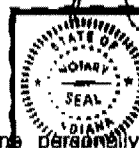
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries 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 No. 61/678,897, filed August 2, 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. 61/678,897 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.

7-11-2013

(Date)

State of INDIANA) SS:
County of CLARK)Gregory R. Furnish

TRISHA M. WILLIAMS
Notary Public, State of Indiana
Clark County
Commission # 597841
My Commission Expires
November 16, 2016

On this 11TH day of JULY, 2013 before me personally came and appeared Gregory R. Furnish, 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.

Trisha M. Williams
(Notary Public)

☒ *Total of 5 forms are submitted.

LD-530/

former PTO/SB/15 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-164 (CD-498)
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Whereas, I, Wayne Allen Johnson of 4400 Kurtz Avenue; Louisville, Kentucky hereafter referred to as assignor, have with others invented certain new and useful improvements in APPARATUS AND METHOD FOR HEART VALVE REPAIR

☒ for which an application for a United States Letters Patent was filed on March 5, 2013

Application Number 13/785,695

☐ 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;

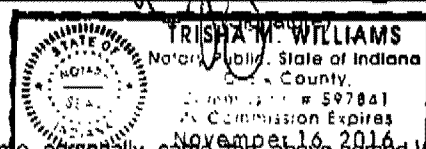
NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00), the receipt whereof is acknowledged, and other good and valuable consideration, I as assignor hereby sell, assign and set over to said assignee my entire right, title and interest for the United States of America and all other countries 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 No. 61/678,897, filed August 2, 2012, and in the invention disclosed therein in all countries of the world including the right to claim priority or benefit of said Application No. 61/678,897 pursuant to any law or treaty in the countries of the world.

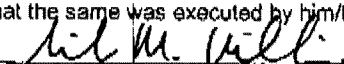
And I do hereby authorize my attorneys to insert on this deed the filing date and application number of said application when known.

7/11/2013
(Date)

State of INDIANA) SS: _____
County of CLARK)



On this 11th day of JULY, 2013 before me personally came the above-named Wayne Allen Johnson, 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)

<input checked="" type="checkbox"/>	Total of <u>5</u> forms are submitted.	LD-530/
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former PTO/SB/15 (8-00) Modified LDLKM

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

STJUDE 3.0-164 (CD-498)

Whereas, I, Mark Griffin of
1802 Strand Ave.; Louisville, Kentucky 40205

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

APPARATUS AND METHOD FOR HEART VALVE REPAIR

☒ for which an application for a United States Letters Patent was filed on March 5, 2013

Application Number 13/785,695

☐ 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 No. 61/678,897, filed August 2, 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. 61/678,897 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.

7-15-2013

(Date)

Mark Griffin

(Signature)

State of INDIANA) SS:
 County of CLARK)



On this 15TH day of JULY, 2013 before me personally came Mark Griffin,
 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.

Trisha M. Williams
 (Notary Public)

☒ *Total of 5 forms are submitted.

LD-530/