Form PTO-1595 (Rev. 03-11) OMB No. 0851-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMERCI United States Patent and Trademark Offic	
RECORDATION FORM COVER SHEET PATENTS ONLY		
To the Director of the U.S. Patent and Trademark Office: Please	——————————————————————————————————————	
Name of conveying party(ies):	2. Name and address of receiving party(les)	
Benjamin E. Morris (07/11/2013), John Miser (07/11/2013), Gregory R. Furnish (07/11/2013),	Name: St. Jude Medical, Inc.	
Additional name(s) of conveying party(les) attached? X Yas No	Internal Address: Street Address:	
3. Nature of conveyance/Execution Date(s):		
Execution Date(s): in parentheses after inventor name	One St. Jude Medical Drive	
X Assignment Merger Change of Name		
Security Agreement Joint Research Agreement	City: St. Paul	
Government Interest Assignment	State: Minnesota	
Executive Order 9424, Confirmatory License	Country: United States of America Zip: 55117	
Other '	Additional name(s) & address(es) Algorithms Yes X No attached?	
Additional numbers attached	? Yes X No	
Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: Joseph H. Karlin LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	7, Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00	
Internal Address: Affy. Dkt.:		
Street Address: 600 South Avenue West	X Authorized to be charged to deposit account	
	Enclosed	
	None required (government interest not affecting title	
City: Westfield	8. Payment Information	
State: NJ Zip: 07090		
Phone Number: 908-654-5000		
Fax Number: 908-654-7866	Deposit Account Number 12-1095	
Email Address: mcormier@idlkm.com	Authorized User Name Joseph H. Karlin	
9. Signature:	August 12, 2013	
Signature	Date	
Joseph H. Karlin - 62,471	Total number of pages including cover 7	
Name of Person Signing	sheet, attachments, and documents:	

RECORDATION FORM COVER SHEET (PTO-1595) (supplemental sheet)			
Additional Conveying Party(ies)/Execution Date(s) (1. Continued):			
Wayne Allen Johnson	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:	· empiriqui principalecente e e e e e e e e e e e e e e e e e e		
Internal Address:	***************************************		······
Streat Addréss:			
City	State:	Country:	Zip:
Assignee Name:	я соновоння надавина выдо чина на надавина на надавина на надавина на надавина на надавина на надавина на надави		B
Internal Address:	***************************************		and and and and and and and and and and
Street Address:			
City:	State:	Country:	Zip:
Additional Applications and/or Patents (4. Continued):			
Additional Patent Application	Numbers	Additional Patent Numbers	
4A, Continuèd:		4B. Continued:	
L	Addilional num	bers attached? Yes No	

2

Dockel No.:

	former PTO/SB/15 (8-00) Modified LDLK	
ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.0-164 (CD-498)	
Whereas, I, Benjamin E. Morris	of	
3204 Hentage Heights Way; Jeffersonville, Indiana 47130		
hereafter refetred to as assignor, have with others invented certain ne	ew and useful improvements in	
APPARATUS AND METHOD FOR HEART VALVE R	EPAIR	
X 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 Pater and	nt was executed by me on ,	
Whereas, St. Jude Medical, Inc. a corporation of Minnesota herein referred to as "assignee" whose m One St. Jude Medical Drive; St. Paul, Minnesota 55117	ailing address is	
is desirous of acquiring the entire right, title and interest in the same;	47	
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, little and interest for the United States of America and all other countries in and to sald 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 Provis		
And I do heretly authorize my altomeys to insert on this deed the filir when known.	ng date and application number of said application	
07/11/2013	may and	
(Date)	TRISHAPORTWILLIAMS	
orace or	Notary Public, State of Indiana Clark County	
County of CLARY)	SEAL Commission # 597841 My Commission Expires My Commission Expires My Commission Expires My Commission Expires	
On this 11th day of 11th day of 11th Double of the political who executed the foregoing instrument, who acknowledged to me that		
the same was executed by bim/her of his/her own free will for the purposes therein set forth.		
_ we M. Well.		
(Notary Public)		
X *Total of 5 forms are submitted	I D-530/	

	Docket Number (Optional)
ASSIGNMENT OF UTILITY APPLICATION	STJUDE 3.0-164 (CD-498)
Whereas, I, John Miser	of
4002 Maplehurst Drive; Crestwood, Kentucky 40014	
hereafter referred to as assignor, have with others invented certain no	ew and useful improvements in
APPARATUS AND METHOD FOR HEART VALVE R	EPAIR
x for which an application for a United States Letters Pate	ent was filed on March 5, 2013
Application Number13/785,695 for which an application for a United States Letters Paten	A visco programme de la companya de
and	was executed by the off
Whereas, St. Jude Medical, Inc. a corporation of Minnesota herein referred to as "assignee" whose many	siling addrace ic
One St. Jude Medical Drive; St. Paul, Minnesola 55117	annig addites 13
is desirous of acquiring the entire right, title and interest in the same;	
is acknowledged, and other good and valuable consideration, I as assignee my entire right, title and interest for the United States of invention and the aforesald utility patent application and all original substitute or reissue applications and patents applied for or granted other countries, for said invention, including without limitation all appriority or benefit of the aforesaid utility application pursuant to any I 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 and further remuneration, to execute and deliver all original, divisional, Letters Patent on said improvements and all assignments thereof to said assigned 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 bome and paid by said as I, as assignor, hereby assign to said assignee all of my right, title an No 61/678,897, filed August 2, 2012, and in the invention disclosed right to claim priority or benefit of said Application No. 61/678,897 proorid.	of America and all other countries in and to said that, divisional, continuation, continuation-in-part, of therefor in the United States of America and all oplications and patents for said invention claiming aw or treaty, and including the right to claim such as is hereby authorized and requested to issue all therein, as assigned of the entire interest therein; of assigns do hereby agree and covenant without assigns do hereby agree and covenant without assigns do hereby agree and covenant without assigned respecting said improvements, whenever in which any of said applications or patents may and to do generally everything necessary to aid dection for said improvements in all countries, the signee. In dinterest in United States Provisional Application thereto in all countries of the world including the ursuant to any law or treaty in the countries of the
And I do hereby authorize my attorneys to insert on this deed the filling when known. 7 / 11 / 2013 (Date)	TRISIgnature) ILLIAMS
State of <u>INDIANA</u>) SS: County of <u>CLARIC</u>	Notary Public, state of Indiana Cigar County GEAL Commission # 597841 My Commission Expires November 16, 2016
On this 174 day of 347 as the individual who executed the foregoing inswas executed by him/her of his/her own free will for the purposes there (Notary Public)	strument, who acknowledged to me that the same

x "Total of 5 forms are submitted.	LD-530/

	former PTO/SB/15 (6-00) Modified LDLK	
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 n	ew and useful improvements in	
APPARATUS AND METHOD FOR HEART VALVE R	REPAIR	
x 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 Pater and	nt was executed by me on	
Whereas, St. Jude Medical, Inc.		
a corporation of Minnesota herein referred to as "assignee" whose m	nailing address is	
One Bt. 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 dis acknowledged, and other good and valuable consideration, I as assignee my lentire right, title and interest for the United States of Invention and the aforesaid utility patent application and all original substitute or reissue applications and patents applied for or granter other countries, for said invention, including without limitation all appriority 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 assigner and the undersigned for me and my legal representatives, heirs and further remuneration, to execute and deliver all original, divisional Letters Patent on said improvements and all assignments thereof to said assigned 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 proexpenses incident to said applications to be borne and paid by said at l., as assignor, hereby assign to said assignee all of my right, title and No 61/678,897, filed August 2, 2012, and in the invention disclosed right to claim priority or benefit of said Application No 61/678,897 pworld.	of America and all other countries in and to said ginal, divisional, continuation, continuation-in-part, difference in the United States of America and all pplications and patents for said invention claiming law or treaty, and including the right to claim such as is hereby authorized and requested to issue all the herein, as assignee of the entire interest therein; and assigns do hereby agree and covenant without all, continuation, reissue and other applications for o said assignee or its assigns, to communicate to resigned respecting said improvements, whenever in which any of said applications or patents may, and to do generally everything necessary to aid otection for said improvements in all countries, the ssignee.	
And I do hereby authorize my attorneys to insert on this deed the fill when known.	ng date and application number of said application	
7-//-20/3 G	regor R. Furnish	
State of TNP ANA) SS:	TRISHA M. WILLIAMS	
County of CLARK.	Notory Public, State of Indiana Clark County Commission # 597841	
	My Commission Expires personally company Processing Oregory R.	
turnish, to me personally known as the individual who executed the foregoing instrument, who acknowledged to me hat the same was executed by him/her of his/her own free will for the purposes therain set forth. (Notary Public)		
Account 1 - Account		
x *Total of 5 forms are submitted.	L <i>D-</i> 530/	

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional)	
	STJUDE 3.0-164 (CD-498)	
Whereas, I, Wayne Allen Johnson	of	
4400 Kurtz Avenue; Louisville, Kentucky		
hereafter referred to as assignor, have with others invented certain ne	ew and useful improvements in	
APPARATUS AND METHOD FOR HEART VALVE R	EPAIR	
x for which an application for a United States Letters Pate	ent was filed on March 5, 2013	
Application Number 13/785,695		
for which an application for a United States Letters Pater and	it was executed by me on,	
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 aforesald 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 assigneed 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 Provis		
And I do herethy authorize my attorneys to insert on this deed the filing date and application number of said application when known.		
7 (1) 2013 (Dale)	of anywhere	
State of INDIANA) SS: Set	TRISHA M. WILLIAMS	
County of <u>CLARK</u>)	System System Serest State State State State State State State State State State State State State State State State State State Sta	
On this 1174 day of July 2013 before the office that shows farted Wayne Allen		
Johnson, to the 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)		
x *Total of 5 forms are submitted.	LD-530/	

	former PTO/S8/15 (8-00) Modified LDLKi	
ACCIONISTENT OF LITTLEY ACCUSATION	Docket Number (Optional)	
ASSIGNMENT OF UTILITY APPLICATION	STJUDE 3.0-164 (CD-498)	
Whereas, I, Mark Griffin	of	
1802 Strand Ave.; Louisville, Kentucky 40205	WARNING V	
hereafter referred to as assignor, have with others invented certain n	ew and useful improvements in	
APPARATUS AND METHOD FOR HEART VALVE R	•	
x for which an application for a United States Letters Pate		
	ent was ned on March 3, 2013	
Application Number 13/785,695	920-1210-1210-1210-1210-1210-1210-1210-1	
for which an application for a United States Letters Pater and	nt was executed by me on ,	
Whereas, St. Jude Medical, Inc.		
a corporation of Minnesota herein referred to as "assignee" whose m	ailing address is	
One \$t. 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, including and 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 covernant 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 representatives all facts known to the undersigned respecting said improvements, whenever requested, to lestify 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.		
And I do hereby authorize my attorneys to insert on this deed the fill when known.	ng date and application number of said application	
7-15-2013 <u>1/</u> (Date)	Var Ja Janature)	
State of		
County of CLARK)	TRISHA M. WILLIAMS Notory Public, State of Indiana Clark County Commission # 597841	
	SEAL Commission # 597841	
On this <u>ISTH</u> day of <u>July</u> , <u>2013</u> before me plot me personally known as the individual who executed the foregoing	ersqually, came Nhee answe Tempo Warl Griffin, hal the	
same was executed by him/her of his/her own free will for the purposes therein set forth. (Notary Public)		
(Notary Public)		
x *Total of 5 forms are submitted.	LD-530/	