## 504120796 12/02/2016

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4167466

SUBMISSION TYPE:		NEW ASSIGNMENT	
NATURE OF CONVEYAN	CE:	ASSIGNMENT	
CONVEYING PARTY DA	TA		
		Name	Execution Date
BENJAMIN E. MORRIS			01/23/2013
GREGORY R. FURNISH			01/23/2013
MARK GRIFFIN			01/23/2013
ERIC E. BIELEFELD			01/23/2013
WAYNE JOHNSON			01/29/2013
RECEIVING PARTY DAT			
Name:	ST. JUD	E MEDICAL, INC.	
Street Address:	ONE ST.	. JUDE MEDICAL DRIVE	
City:	ST. PAU	L	
State/Country:	MINNES	ΟΤΑ	
Postal Code:	55117		
PROPERTY NUMBERS	Fotal: 1	Number	
Application Number:	1	4374748	
CORRESPONDENCE DA	 4та		
		908)654-0415	
Fax Number: <i>Correspondence will be</i>	e sent to t	908)654-0415 t <b>he e-mail address first; if that is unsu</b>	
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i>	) sent to t rovided;	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent	
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Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4:	9) sent to t rovided; (9 ع ل ل 0 س	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 908) 518-6356 ssignment@lernerdavid.com DLK&M 00 SOUTH AVENUE WEST VESTFIELD, NEW JERSEY 07090	
Fax Number: Correspondence will be using a fax number, if p Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUM	9) sent to t rovided; (9 ع ل ل 0 س	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 908) 518-6356 ssignment@lernerdavid.com DLK&M 00 SOUTH AVENUE WEST VESTFIELD, NEW JERSEY 07090 STJUDE 3.3-166	
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1:	9) sent to t rovided; (9 ع ل ل 0 س	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 908) 518-6356 ssignment@lernerdavid.com DLK&M 00 SOUTH AVENUE WEST VESTFIELD, NEW JERSEY 07090 STJUDE 3.3-166 MELINDA C. CORMIER	
Fax Number: <i>Correspondence will be</i> <i>using a fax number, if p</i> Phone: Email: Correspondent Name: Address Line 1: Address Line 4: ATTORNEY DOCKET NUE AME OF SUBMITTER: BIGNATURE:	9) sent to t rovided; (9 ع ل ل 0 س	the e-mail address first; if that is unsu if that is unsuccessful, it will be sent 208) 518-6356 ssignment@lernerdavid.com DLK&M 00 SOUTH AVENUE WEST VESTFIELD, NEW JERSEY 07090 STJUDE 3.3-166 MELINDA C. CORMIER /Melinda C. Cormier/	

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	PTO/SB/15 (8-00) Modified
ASSIGNMENT OF PROVISIONAL APPLICATION	Docket Number (Optional)
	STJUDE 3.8-166
Whereas, I, Benjamin E. Morris 3204 Heritage Heights Way; Jeffersonville, Indiana 47130	of
hereafter referred to as Assignor, have with others invented certain new an APPARATUS AND METHOD FOR HEART VALVE REPAIR	d useful improvements in
x for which a provisional application for a United States Patent was file	on January 25, 2012
Application Number 61/590,475	
for which a provisional application for a United States Patent was exec	uted on
and Whereas, St. Jude Medical, Inc.	
a corporation of <u>Minnesota</u> herein referred to as "assignee" whose mailing add	ess 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 <u>one</u> dollar (\$ is acknowledged, and other good and valuable consideration, I as assignor he assignee my entire right, title and interest for the United States of America a invention and the aforesaid provisional patent application and all original, div part, substitute or reissue applications and patents applied for or granted the and all other countries, for said invention, including without limitation all appli- claiming priority or benefit of the aforesaid provisional application pursuant tright to claim such priority or benefit and the Commissioner of Patents and T requested to issue all patents on said improvements or resulting therefrom to the entire interest therein; and the undersigned for me and my legal represen- agree and covenant without further remuneration, to execute and deliver reissue and other applications for Letters Patent on said improvements a assignee or its assigns, to communicate to said assignee or its representative respecting said improvements, whenever requested, to testify in any interfer which any of said applications or patents may become involved, to sign all I and to do generally everything necessary to aid assignee, its successors, as protection for said improvements in all countries, the expenses incident to sa by said assignee.	and all other countries in and to said isional, continuation, continuation-in- refor in the United States of America cations and patents for said invention o any law or treaty, and including the rademarks is hereby authorized and said assignee herein, as assignee of ntatives, heirs and assigns do hereby all original, divisional, continuation, and all assignments thereof to said es all facts known to the undersigned rences or other legal proceedings in awful papers, make all rightful oaths, signs and nominees to obtain patent aid applications to be borne and paid
And I do hereby authorize my attorneys, to insert on this deed the filing application when known.	date and application number of said
01/23/2013 Bmc	22-6
(Date)	(Signature)
OI/23/2013 (Date) State of <u>INDIANA</u> ) SS:	
County of CLARK	

On this <u>23</u> day of <u>JANUACY</u>, <u>2013</u> before me personally came the above-named <u>Benjamin E.</u> <u>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.

(Notary Public)

LD-525\

PTO/SB/15 (8-00) Modified
Docket Number (Optional)
STJUDE 3.8-166
of
seful improvements in
January 25, 2012
1 on,
is
<u>0</u> ), the receipt whereof by sell, assign and set over to said all other countries in and to said onal, continuation, continuation-in- or in the United States of America ons and patents for said invention by law or treaty, and including the lemarks is hereby authorized and d assignee herein, as assignee of ives, heirs and assigns do hereby original, divisional, continuation, all assignments thereof to said all facts known to the undersigned ces or other legal proceedings in ul papers, make all rightful oaths, ns and nominees to obtain patent applications to be borne and paid
e and application number of said

On this 23 day of <u>JANVALT</u>, <u>2013</u> before me personally came the above-named <u>Gregory R.</u> <u>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.

.M (Notary Public)

LD-525\

	PTO/SB/15 (8-00) Modified
ASSIGNMENT OF PROVISIONAL APPLICATION	Docket Number (Optional)
	STJUDE 3.8-166
Whereas, I, Mark Griffin	of
1802 Strand Ave.; Louisville, Kentucky 40205	
hereafter referred to as Assignor, have with others invented certain new and u	seful improvements in
APPARATUS AND METHOD FOR HEART VALVE REPAIR	
x for which a provisional application for a United States Patent was filed o	n January 25, 2012
Application Number 61/590,475	
for which a provisional application for a United States Patent was execute	d on
and Whereas, St. Jude Medical, Inc.	
a corporation of <u>Minnesota</u> herein referred to as "assignee" whose mailing address	s is
One St. Jude Medical Drive; St. Paul, Minnesota 55117 is desirous of acquiring the entire right, title and interest in the same;	
is desireds of dequiring the office right, the and interest in the same,	
NOW, THEREFORE, in consideration of the sum of one dollar (\$ 1.0	
is acknowledged, and other good and valuable consideration, I as assignor herel assignee my entire right, title and interest for the United States of America and	by sell, assign and set over to said
invention and the aforesaid provisional patent application and all original, division	
part, substitute or reissue applications and patents applied for or granted therefore	or in the United States of America
and all other countries, for said invention, including without limitation all applicati claiming priority or benefit of the aforesaid provisional application pursuant to a	
right to claim such priority or benefit and the Commissioner of Patents and Tra-	demarks is hereby authorized and
requested to issue all patents on said improvements or resulting therefrom to sa	id assignee herein, as assignee of
the entire interest therein; and the undersigned for me and my legal representat agree and covenant without further remuneration, to execute and deliver all	lives, neirs and assigns do hereby
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 respecting said improvements, whenever requested, to testify in any interferer	all facts known to the undersigned
which any of said applications or patents may become involved, to sign all law	ful papers, make all rightful oaths.
and to do generally everything necessary to aid assignee, its successors, assig	ins and nominees to obtain patent
protection for said improvements in all countries, the expenses incident to said by said assignee,	applications to be borne and paid
, 3	
And I do hereby authorize my attorneys, to insert on this deed the filing data application when known.	e and application number of said
	11

01/23/2013 (Date) INDIANA

(Signature)

State of County of

) SS: CLARK ) \_, <u>20(3</u> before me personally came the above-named Mark Griffin, On this 23rd day of JANUARY 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)

LD-525\

ASSIGNMENT OF PROVISIONAL APPLICATION	PTO/SB/15 (8-00) Modifie Docket Number (Optional)
AUSIGNMENT OF PROVISIONAL APPLICATION	STJUDE 3.8-166
	5130DL 3.6-100
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
APPARATUS AND METHOD FOR HEART VALVE REPAIR	
x for which a provisional application for a United States Patent was filed of	on January 25, 2012
Application Number 61/590,475	
for which a provisional application for a United States Patent was execute	ed on,
and Whereas, St. Jude Medical, Inc.	
a corporation of Minnesota herein referred to as "assignee" whose mailing addres	as is
One St. Jude Medical Drive; St. Paul, Minnesota 55117	
is desirous of acquiring the entire right, title and interest in the same;	·····
invention and the aforesaid provisional patent application and all original, divisi part, substitute or reissue applications and patents applied for or granted there and all other countries, for said invention, including without limitation all applicat claiming priority or benefit of the aforesaid provisional application pursuant to a right to claim such priority or benefit and the Commissional application and the such priority or benefit or the aforesaid the Commissional application and the such priority or benefit or the aforesaid provisional application pursuant to a right to claim such priority or benefit and the Commissional application and the such priority or benefit and the commissional application pursuant to a such priority or benefit or the aforesaid the commission of patents and the such priority or benefit and the such priority or benefit and the commission of patents and the such priority or benefit and the such priority or benef	for in the United States of America tions and patents for said invention
right to claim such priority or benefit and the Commissioner of Patents and Tra requested to issue all patents on said improvements or resulting therefrom to sa the entire interest therein; and the undersigned for me and my legal representa agree and covenant without further remuneration, to execute and deliver all reissue and other applications for Letters Patent on said improvements and assignee or its assigns, to communicate to said assignee or its representatives respecting said improvements, whenever requested, to testify in any interferen- which any of said applications or patents may become involved, to sign all law and to do generally everything necessary to aid assignee, its successors, assig protection for said improvements in all countries, the expenses incident to said by said assignee.	ademarks is hereby authorized and aid assignee herein, as assignee of tives, heirs and assigns do hereby II original, divisional, continuation, d all assignments thereof to said all facts known to the undersigned nces or other legal proceedings in ful papers, make all rightful oaths, gns and nominees to obtain patent applications to be borne and paid
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PATENT REEL: 040496 FRAME: 0113

ASSIGNMENT OF PROVISIONAL APPLICATION	PTO/SB/15 (8-00) Modifi Docket Number (Optional)
	STJUDE 3.8-166
Whereas, I, Wayne Johnson	of
2301 Centennial Blvd; 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	
x for which a provisional application for a United States Patent was filed of	on January 25, 2012
Application Number 61/590,475	
for which a provisional application for a United States Patent was execute	ed on
	ж
and Whereas, St. Jude Medical, Inc.	· ·
a corporation of <u>Minnesota</u> herein referred to as "assignee" whose mailing addres	is is
One St. Jude Medical Drive; St. Paul, Minnesota 55117 s desirous of acquiring the entire right, title and interest in the same;	and the first for the second second second for the first for the second s
assignee my entire right, title and interest for the United States of America and nvention and the aforesaid provisional patent application and all original, divisi part, substitute or reissue applications and patents applied for or granted theref and all other countries, for said invention, including without limitation all applicat claiming priority or benefit of the aforesaid provisional application pursuant to a	onal, continuation, continuation-in- for in the United States of America tions and patents for said invention
Ight to claim such priority or benefit and the Commissioner of Patents and Tra equested to issue all patents on said improvements or resulting therefrom to sa he entire interest therein; and the undersigned for me and my legal representa agree and covenant without further remuneration, to execute and deliver al eissue and other applications for Letters Patent on said improvements and assignee or its assigns, to communicate to said assignee or its representatives especting said improvements, whenever requested, to testify in any interferen- which any of said applications or patents may become involved, to sign all law and to do generally everything necessary to aid assignee, its successors, assig- protection for said improvements in all countries, the expenses incident to said ay said assignee.	iny law or treaty, and including the demarks is hereby authorized and id assignee herein, as assignee of tives, heirs and assigns do hereby I original, divisional, continuation, d all assignments thereof to said all facts known to the undersigned nees or other legal proceedings in ful papers, make all rightful oaths, gris and nominees to obtain patent applications to be borne and paid
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Ight to claim such priority or benefit and the Commissioner of Patents and Tra equested to issue all patents on said improvements or resulting therefrom to sa he entire interest therein; and the undersigned for me and my legal representa agree and covenant without further remuneration, to execute and deliver all eissue and other applications for Letters Patent on said improvements and assignee or its assigns, to communicate to said assignee or its representatives especting said improvements, whenever requested, to testify in any interferent which any of said applications or patents may become involved, to sign all law and to do generally everything necessary to aid assignee, its successors, assign protection for said improvements in all countries, the expenses incident to said assignee. And I do hereby authorize my attorneys, to insert on this deed the filing dat application when known. <u>1/29/2013</u> (Date) State of <u>DUDIANA</u> ) SS: County of <u>1/29/2013</u> (Date) Do this <u>29174</u> day of <u>TANUARY</u> , <u>2013</u> before me personally of ohnson, to me personally known as the individual who executed the foregoing	iny law or treaty, and including the demarks is hereby authorized and id assignee herein, as assignee of tives, heirs and assigns do hereby I original, divisional, continuation, d all assignments thereof to said all facts known to the undersigned nees or other legal proceedings in ful papers, make all rightful oaths, gas and nominees to obtain patent applications to be borne and paid e and application number of said (Signature)
Ight to claim such priority or benefit and the Commissioner of Patents and Tra equested to issue all patents on said improvements or resulting therefrom to sa he entire interest therein; and the undersigned for me and my legal representa agree and covenant without further remuneration, to execute and deliver all eissue and other applications for Letters Patent on said improvements and assignee or its assigns, to communicate to said assignee or its representatives especting said improvements, whenever requested, to testify in any interferent which any of said applications or patents may become involved, to sign all law and to do generally everything necessary to aid assignee, its successors, assig protection for said improvements in all countries, the expenses incident to said assignee. And I do hereby authorize my attorneys, to insert on this deed the filling dat upplication when known. $\frac{1/29/2013}{(Date)}$ State of <u>DUPIANA</u> ) SS: County of <u>CLARK</u> ) On this <u>29TH</u> day of <u>TANVARY</u> , <u>2013</u> before me personally of <u>ohnson</u> , to me personally known as the individual who executed the foregoing the that the same was executed by him/her of his/her own free will for the purpos MULL MALL (Notary Public)	iny law or treaty, and including the demarks is hereby authorized and id assignee herein, as assignee of tives, heirs and assigns do hereby I original, divisional, continuation, d all assignments thereof to said all facts known to the undersigned nees or other legal proceedings in ful papers, make all rightful oaths, gas and nominees to obtain patent applications to be borne and paid e and application number of said (Signature)