505663962 09/10/2019

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
BRIAN JOSEPH PERSZYK	08/07/2019
MATHIAS CHARLES GLIMSDALE	08/29/2019
KRISTOPHER HENRY VIETMEIER	08/07/2019
THEODORE PAUL DALE	08/07/2019

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:	16564691

CORRESPONDENCE DATA

Fax Number: (908)654-7866

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

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (908) 654-5000

Email: assignment@lernerdavid.com

Correspondent Name: LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP

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ATTORNEY DOCKET NUMBER:	ABTSJM 3.0F-388 CON	
NAME OF SUBMITTER:	CINDY CORB	
SIGNATURE:	/Cindy Corb/	
DATE SIGNED:	09/10/2019	

Total Attachments: 4

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PATENT REEL: 050327 FRAME: 0926 505663962

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PATENT REEL: 050327 FRAME: 0927

former PTO/SB/15 (8-00) Modified LOLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION **ABTSJM 3.0F-388** Whereas, I. Brian Joseph Perszyk 3479 Harriet Ct.; Shoreview, Minnesota 55126 hereafter referred to as assignor, have with others invented certain new and useful improvements in PROSTHETIC MITRAL VALVE for which an application for a United States Letters Patent was filed on October 27, 2017 Application Number 15/796,184 for which an application for a United States Letters Patent was executed by me on Whereas. St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 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 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 paths, 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.. 52/414.125, filed October 28, 2016, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/414.125 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. (Signature) Christina kay crocker State of Notary Public County of State of Minneants My Commission Expires January 31, 2020 Perszyk, 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.

x *Total of 4 forms are submitted.

(Notary Public)

former PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION **ABTSJM 3.0F-388** Mathias Charles Glimsdale Whereas, I. 624 Lincoln Dr. NE; St. Michael, Minnesota 55376 hereafter referred to as assignor, have with others invented certain new and useful improvements in PROSTHETIC MITRAL VALVE x for which an application for a United States Letters Patent was filed on October 27, 2017 15/796,184 Application Number for which an application for a United States Letters Patent was executed by me on and St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 177 East County Road B; St. Paul, Minnesota 55117 is desirous of acquiring the entire right, title and interest in the same;), the receipt whereof NOW, THEREFORE, in consideration of the sum of one dollars (\$ 1.00 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. L as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No.. 62/414,125, filed October 28, 2016, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/414,125 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. State of County of that the same was executed by him/her of his/her own free will for the purposes therein set forth

x *Total of 4 forms are submitted.

Show (Notary Public) CONNIE F. SHAW

Notary Public-Minnesota

My Commission Expires Jan 31, 2020

former PTO/S8/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION **ABTSJM 3.0F-388** Whereas, I, Kristopher Henry Vietmeier 13954 Duffield Ave. NW; Monticello, Minnesota 55362 hereafter referred to as assignor, have with others invented certain new and useful improvements in PROSTHETIC MITRAL VALVE X for which an application for a United States Letters Patent was filed on October 27, 2017 Application Number 15/796,184 for which an application for a United States Letters Patent was executed by me on ______, Whereas. St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 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 dollars (\$ one 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 I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No.. 62/414.125, filed October 28, 2016, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/414,125 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. CHRISTINA KAY CROCKER Notary Public State of County of State of Minnesota My Commission Expires January 31, 2020 The above manual Kris <u>المرابعة المرابعة ا</u> Henry Vietmeier, 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.

x *Total of 4 forms are submitted.

(Notary Public)

formar PTO/SB/15 (8-00) Modified LDLK&M Docket Number (Optional) ASSIGNMENT OF UTILITY APPLICATION **ABTSJM 3.0F-388** Theodore Paul Dale Whereas, I. 6905 Old Settlers Road; Corcoran, Minnesota 55340 hereafter referred to as assignor, have with others invented certain new and useful improvements in PROSTHETIC MITRAL VALVE x for which an application for a United States Letters Patent was filed on October 27, 2017 Application Number 15/796,184 for which an application for a United States Letters Patent was executed by me on ______, Whereas, St. Jude Medical, Cardiology Division, Inc. a corporation of Delaware herein referred to as "assignee" whose mailing address is 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 dollars (\$), the receipt whereof one 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 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 I, as assignor, hereby assign to said assignee all of my right, title and interest in United States Provisional Application No.. 62/414.125, filed October 28, 2016, and in the invention disclosed thereto in all countries of the world including the right to claim priority or benefit of said Application No. 62/414.125 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. CHRISTINA KAY CROCKER Notary Public State of County of State of Minnesote My Commission Expires January 31, 2020 Dale, 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.

x *Total of 4 forms are submitted.

(Notary Public)