

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT4598938

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
AARON J. CHALEKIAN	08/21/2017
RALPH J. THOMAS	08/15/2017
GARY W. GEIGER	08/17/2017
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:	15021170
CORRESPONDENCE DATA	
Fax Number:	(908)654-0415
<i>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.</i>	
Phone:	(908) 518-6356
Email:	assignment@lerner david.com
Correspondent Name:	LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP
Address Line 1:	600 SOUTH AVENUE WEST
Address Line 4:	WESTFIELD, NEW JERSEY 07090
ATTORNEY DOCKET NUMBER:	STJUDE 3.3F-312
NAME OF SUBMITTER:	MELINDA C. CORMIER
SIGNATURE:	/Melinda C. Cormier/
DATE SIGNED:	09/18/2017
Total Attachments: 3	
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ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

STJUDE 3.3F-312 (E)

WHEREAS, I, Aaron J. Chalekian of 14819 Virginia Ave., Savage, Minnesota 55378, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "ATRAUMATIC INTERFACE IN AN IMPLANT DELIVERY DEVICE" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the International Patent Application was filed on September 10, 2014, PCT/US2014/054950, designating the United States.

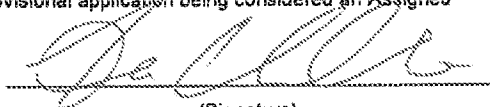
WHEREAS (if the left box is checked), the Patent Application names the following inventors: Aaron J. Chalekian, Ralph J. Thomas, and Gary W. Geiger (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 15/021,170, filed on March 10, 2016] the application number and filing date of the application when known), and

WHEREAS, St. Jude Medical, Cardiology Division, Inc., incorporated or otherwise formed in Delaware and having a place of business at 177 East County Road B, St. Paul, Minnesota 55117 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.


I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application No. 61/877,104, filed September 12, 2013, such provisional application being considered an Assigned Application for all purposes herein.

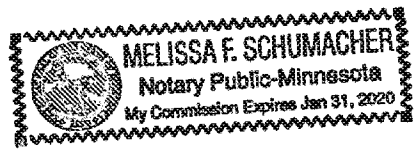
2017 Aug 21
(Date)


(Signature)

State of Minnesota
(County) of Ramsey

This instrument was acknowledged before me on 21 Aug 2017 by Aaron J. Chalekian.

 (SEAL)
(Signature of notarial officer)
Notary Public
Title (and Rank)



My commission expires: 31 Jan 2020

ASSIGNMENT OF UTILITY APPLICATION	Docket Number (Optional) STJUDE 3.3F-312 (E)
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WHEREAS, I, Ralph J. Thomas of 7616 113 1/2 Ave N, Champlin, Minnesota 55316, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "ATRAUMATIC INTERFACE IN AN IMPLANT DELIVERY DEVICE" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the International Patent Application was filed on September 10, 2014 PCT/US2014/064960, designating the United States.

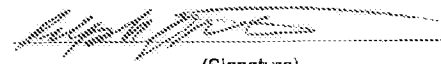
WHEREAS (if the left box is checked), the Patent Application names the following inventors: Aaron J. Chalekian, Ralph J. Thomas, and Gary W. Geiger (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 15/021,170, filed on March 10, 2016] the application number and filing date of the application when known), and

WHEREAS, St. Jude Medical, Cardiology Division, Inc., incorporated or otherwise formed in Delaware and having a place of business at 177 East County Road B, St. Paul, Minnesota 55117 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application No. 61/877,104, filed September 12, 2013, such provisional application being considered an Assigned Application for all purposes herein.

15 August 2017
(Date)

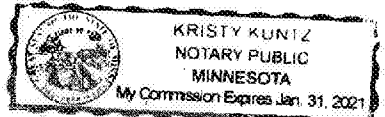

(Signature)

State of Minnesota
(County) of Hennepin

This instrument was acknowledged before me on August 15, 2017 by Ralph J. Thomas.

Kristy Kuntz
(Signature of notary officer)
Notary Public
Title (and Rank)

(SEAL)



My commission expires: January 31, 2021

ASSIGNMENT OF UTILITY APPLICATION

Docket Number (Optional)

STJUDE 3.3F-312 (E)

WHEREAS, I, Gary W. Geiger of 1271 Hillwind Road NE, Fridley, Minnesota 55432, have invented or discovered inventions or discoveries, the subject matter of which is described in the patent application entitled "ATRAUMATIC INTERFACE IN AN IMPLANT DELIVERY DEVICE" (hereafter "Patent Application"),

WHEREAS (if the left box is checked), the International Patent Application was filed on September 10, 2014 PCT/US2014/054950, designating the United States.

WHEREAS (if the left box is checked), the Patent Application names the following inventors: Aaron J. Chalekian, Ralph J. Thomas, and Gary W. Geiger (and whereas I hereby authorize Lerner, David, Littenberg, Krumholz & Mentlik, LLP, to insert in here in brackets [Application No. 15/021,170, filed on March 10, 2016] the application number and filing date of the application when known), and

WHEREAS, St. Jude Medical, Cardiology Division, Inc., incorporated or otherwise formed in Delaware and having a place of business at 177 East County Road B, St. Paul, Minnesota 55117 (hereafter, the "assignee") is desirous of acquiring, or has acquired and is desirous of memorializing its acquisition further herein, the entire right, title and interest in same;

NOW, THEREFORE, for good and valuable consideration the receipt of which is hereby acknowledged, I agree as follows. I agree to assign, and hereby do assign, to the assignee my entire right, title and interest in and to the Assigned Applications in the United States of America and all other countries, where "Assigned Applications" means the Patent Application, including any and all inventions, discoveries and other subject matter described therein, any divisional, continuation, continuation-in-part, substitute, reissue, re-examination or other application claiming priority or benefit to the Patent Application pursuant to any law or treaty, and any patent issuing from the foregoing. I agree to assign, and hereby do assign, to assignee the right to claim such priority or benefit. I have not previously conveyed, nor am I aware of an obligation to convey, my rights in the Assigned Applications to a third party. I hereby authorize the U.S. Patent and Trademark Office, and any other governmental agency in the world, to issue to assignee all patents resulting from the Assigned Applications and to record assignee's ownership thereof. At assignee's reasonable request I agree, without further remuneration, to execute and deliver documents prepared at assignee's expense and to provide other cooperation, such as testimony, as may be reasonably required to evidence or protect assignee's rights in the Assigned Applications. Assignee may assign or transfer all or part of its rights set forth herein in its sole discretion. I agree that the assignee may affix its signature to this document as well as any other indicia of its acceptance of the provisions hereof. If any provision herein is unenforceable, the requirements of the provision shall remain to the full extent permissible by law and the offending portions thereof shall be deemed replaced, to the extent possible, with a provision most closely reflecting the purpose of the offending provision.

I further agree to assign, and hereby do assign, to assignee my entire right, title and interest in and to Provisional Application No. 61/877,104, filed September 12, 2013, such provisional application being considered an Assigned Application for all purposes herein.

17 Aug 17

(Date)

Gary W. Geiger

(Signature)

State of Minnesota
(County) of Hennepin

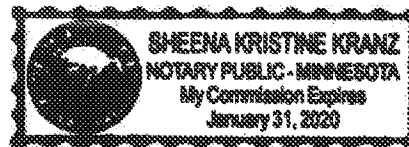
This instrument was acknowledged before me on 8/17/2017 by Gary W. Geiger.

Sheena Kristine Kranz

(Signature of notarial officer)
Notary Public

Title (and Rank)

My commission expires: 1/31/2020



PATENT