

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Lev A. Koyrakh</td> <td>09/04/2012</td> </tr> <tr> <td>Vasily Vylkov</td> <td>09/04/2012</td> </tr> <tr> <td>Eric S. Olson</td> <td>12/13/2012</td> </tr> </tbody> </table>		Name	Execution Date	Lev A. Koyrakh	09/04/2012	Vasily Vylkov	09/04/2012	Eric S. Olson	12/13/2012		
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<table border="1"> <tr> <td>Name:</td> <td>St. Jude Medical, Atrial Fibrillation Division, Inc.</td> </tr> <tr> <td>Street Address:</td> <td>One St. Jude Medical Drive</td> </tr> <tr> <td>City:</td> <td>St. Paul</td> </tr> <tr> <td>State/Country:</td> <td>MINNESOTA</td> </tr> <tr> <td>Postal Code:</td> <td>55117</td> </tr> </table>		Name:	St. Jude Medical, Atrial Fibrillation Division, Inc.	Street Address:	One St. Jude Medical Drive	City:	St. Paul	State/Country:	MINNESOTA	Postal Code:	55117
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CORRESPONDENCE DATA											
<p>Fax Number: 6517562808 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 6517562000 Email: evogt@sjm.com Correspondent Name: Anne R. Carlberg Address Line 1: St. Jude Medical, AF Division, Inc. Address Line 2: One St. Jude Medical Drive Address Line 4: St. Paul, MINNESOTA 55117</p>											
ATTORNEY DOCKET NUMBER:	0G-047202US										
NAME OF SUBMITTER:	Emily A. Vogt										
<p>Total Attachments: 5 source=Fully_Exec_AST#page1.tif source=Fully_Exec_AST#page2.tif source=Fully_Exec_AST#page3.tif source=Fully_Exec_AST#page4.tif source=Fully_Exec_AST#page5.tif</p>											

CH \$40.00 13584197

ASSIGNMENT

WHEREAS, WE, Lev A. Koyrakh of 4595 Forestview Lane North, Plymouth, Minnesota 55442; Vasily Vylkov of 12216 4th Court NE, Blaine, Minnesota 55434; and Eric S. Olson of 751 Linden Circle South, Maplewood, Minnesota 55119, hereinafter ASSIGNORS, have invented certain new and useful improvements in Correction of shift and drift in impedance-based medical device navigation using magnetic field information, for which United States patent application number 13/584,197 was filed on 13 August 2012;

AND WHEREAS St. Jude Medical, Atrial Fibrillation Division, Inc., a corporation organized and existing under the laws of the State of Minnesota, and having a business address at One St. Jude Medical Drive, St. Paul, Minnesota 55117, hereinafter ASSIGNEE, is desirous of acquiring the entire right, title, and interest in, to, and under said invention, said application, and any and all patents to be obtained therefor throughout the world;

NOW, THEREFORE, for and in consideration of good and valuable consideration to us in hand paid by ASSIGNEE, the receipt of which is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do hereby sell, assign, and transfer unto ASSIGNEE, its successors and assigns, our entire right, title, and interest in and to said invention, said application, all divisions, continuations, continuations-in-part, reissues, or renewals thereof, and said patents, both foreign and domestic, that may or shall issue, including all of our entire rights under any and all international conventions;

AND WE HEREBY authorize ASSIGNEE, its successors and assigns, or anyone it may properly designate, to apply for patents, in its own name if desired, in any and all foreign countries, and additionally to claim the filing date of said United States application and otherwise take advantage of the provisions of any and all international conventions;

AND WE HEREBY authorize and request any official of any State whose duty consists of issuing patents, or other evidence or forms of any industrial property protection on any aforesaid application, to issue same to ASSIGNEE, its successors and assigns, in accordance herewith;

AND WE HEREBY covenant and agree with ASSIGNEE, its successors and assigns, that we have the full right to convey the entire interest assigned herein, and that we have not executed, and will not execute, any agreement in conflict herewith, and that we will not do any other act whatsoever conflicting with these presents, and that we or our successors, assigns, executors, or administrators will at any time upon request, without further or additional consideration, but at the expense of ASSIGNEE, its successors and assigns, communicate to ASSIGNEE, its successors and assigns, any facts known to ASSIGNORS respecting said invention, and testify in any legal proceedings, sign any lawful papers, execute any original, divisional, continuation, and continuation-in-part applications, make any rightful oaths or declarations, and generally do such additional acts as ASSIGNEE, its successors and assigns, may deem necessary or desirable to obtain and enforce proper protection for said invention throughout the world;

Assignors' Initials

LAK VV ESO

PATENT

REEL: 029507 FRAME: 0598

AND WE HEREBY FURTHER covenant and agree that this Assignment is effective as of 13 August 2012.

IN TESTIMONY WHEREOF, ASSIGNORS hereunto set their hands on the under-mentioned day and year, and deliver this Assignment.

Date: 9/4/2012 Lev Koyrakh
Lev A. Koyrakh

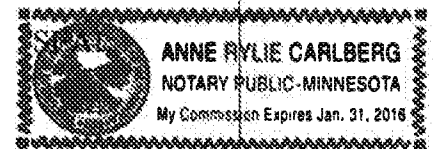
Date: 9/4/2012 Vasily Vylkov
Vasily Vylkov

Date: 13 December 2012 Eric S. Olson
Eric S. Olson

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Lev A. Koyrakh, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

4 September 2012 Ramsey / St. Paul / Minnesota
(Date) (County/City/State)

31 January 2016 Anne Rylie Carlberg
(Commission Expiry Date) (Notary Public: Signature and Name)

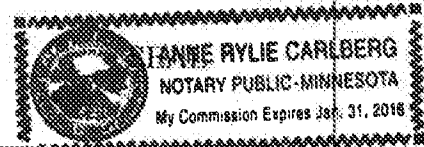


Assignors' Initials
L.A. Koyrakh
LAK VV ESO

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Vasily Vylkov, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

4 Sept 2012
(Date)

Ramsey / St. Paul / Minnesota
(County/City/State)



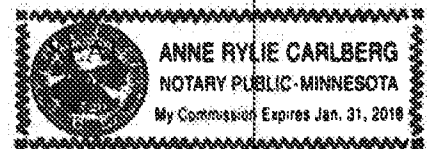
31 January 2016
(Commission Expiry Date)

Anne Rylie Carlberg
(Notary Public: Signature and Name)

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Eric S. Olson, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

13 December 2012
(Date)

Ramsey / St. Paul / Minnesota
(County/City/State)



31 January 2016
(Commission Expiry Date)

Anne Rylie Carlberg
(Notary Public: Signature and Name)

Assignors' Initials

EV, VV, ESO
LAK VV ESO

SAID ASSIGNEE HEREBY acknowledges the aforesaid statements and accepts the aforesaid Assignment, transfer, and set over of said invention;

AND, IN TESTIMONY WHEREOF, said ASSIGNEE hereunto sets its hand on the under-mentioned day and year.

(Date)

(ASSIGNEE: Signature)

Jane J. Song

President

St. Jude Medical, Atrial Fibrillation Division, Inc.

(Witness: Signature)

Printed name

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Jane J. Song, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that she executed the same in her authorized capacity and acknowledged that execution of the same was a free will act and deed.

(Date)

(County/City/State)

SEAL

(Commission Expiry Date)

(Notary Public: Signature and Name)

Assignors' Initials

LAK VV ESO

SAID ASSIGNEE HEREBY acknowledges the aforesaid statements and accepts the aforesaid Assignment, transfer, and set over of said invention;

AND, IN TESTIMONY WHEREOF, said ASSIGNEE hereunto sets its hand on the under-mentioned day and year.

12/18/12
(Date)

[Signature]
(ASSIGNEE: Signature)
Philip Ebeling
VP Sr., R&D
St. Jude Medical, Atrial Fibrillation Division, Inc.

[Signature]
(Witness: Signature)

Printed name: Christina Crocker

TODAY, BEFORE ME, a Notary Public in and for the under-mentioned place, personally appeared Philip Ebeling, who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the foregoing assignment and acknowledged to me that he executed the same in his authorized capacity and acknowledged that execution of the same was a free will act and deed.

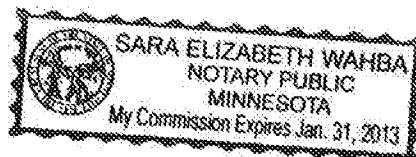
12-18-2012
(Date)

Hennepin/Plymouth/Minnesota
(County/City/State)

1-31-2013
(Commission Expiry Date)

Sara E. Wahba
(Notary Public: Signature and Name)

SEAL



Assignor's Initials
