

PATENT ASSIGNMENT

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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>Xiaoyi Min</td> <td>09/16/2013</td> </tr> <tr> <td>Stuart Rosenberg</td> <td>09/16/2013</td> </tr> <tr> <td>Gabriel Mouchawar</td> <td>09/16/2013</td> </tr> </tbody> </table>		Name	Execution Date	Xiaoyi Min	09/16/2013	Stuart Rosenberg	09/16/2013	Gabriel Mouchawar	09/16/2013
Name	Execution Date								
Xiaoyi Min	09/16/2013								
Stuart Rosenberg	09/16/2013								
Gabriel Mouchawar	09/16/2013								
RECEIVING PARTY DATA									
Name:	St. Jude Medical, Inc.								
Street Address:	One St. Jude Medical Place								
City:	St. Paul								
State/Country:	MINNESOTA								
Postal Code:	55117								
PROPERTY NUMBERS Total: 1									
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13827308</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13827308				
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Application Number:	13827308								
CORRESPONDENCE DATA									
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Date:	09/17/2013								
Total Attachments: 1 source=Executed Assignment-16246771#page1.tif									

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In the United States Patent and Trademark Office

Applicants: Xiaoyi Min et al. Docket No.: CD-650US
Serial No.: 13/827,308 Group: To be assigned
Confirmation No: 7216 Examiner: To be assigned
Filed: March 14, 2013
For: METHODS, SYSTEMS, AND APPARATUS FOR NEURAL SIGNAL DETECTION

Assignment - Joint Inventors

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

WHEREAS Xiaoyi Min residing in 3228 Versaille Court, Thousand Oaks, California 91362, Stuart Rosenberg residing in 31413 Arena Drive, Castaic, California 91384, and Gabriel Mouchawar residing in 24721 Garland Dr., Valencia, California 91355 (hereinafter collectively referred to as Assignors), have made an invention and have each either (1) previously executed an application for Letters Patent of the United States of America therefor or (2) are contemporaneously executing an application for Letters Patent of the United States of America for the invention which is entitled:

METHODS, SYSTEMS, AND APPARATUS FOR NEURAL SIGNAL DETECTION

AND WHEREAS St. Jude Medical, Inc., a corporation of the State of Minnesota, having offices at One St. Jude Medical Place, St. Paul, Minnesota 55117-9913 United States of America, (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title and interest in and to said invention and under said Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for good and valuable consideration, the receipt of which is hereby acknowledged, the Assignors hereby sell, assign and transfer to the Assignee the full and exclusive right, title and interest to said invention and in and to any and all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, continuation-in-part, divisional, renewal, substitute, re-examination, conversion or reissue thereof, including all extensions thereof, or any legal equivalent thereof in any foreign country for the full term or terms for which the same may be granted, including any and all convention rights.

The Assignors hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

The Assignors further covenant that the Assignors will promptly provide, upon written request, Assignee with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to the Assignors and that they will promptly execute and deliver to Assignee or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue, extend and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, the Assignors have executed this document on the date indicated below:

Handwritten signatures and dates for Xiaoyi Min, Stuart Rosenberg, and Gabriel Mouchawar, all dated 16 Sept. 2013.