

PATENT ASSIGNMENT COVER SHEET

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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>AJAY S. YEKKIRALA</td> <td>09/18/2013</td> </tr> <tr> <td>PHILIP PORTOGHESE</td> <td>09/19/2013</td> </tr> </tbody> </table>		Name	Execution Date	AJAY S. YEKKIRALA	09/18/2013	PHILIP PORTOGHESE	09/19/2013
Name	Execution Date						
AJAY S. YEKKIRALA	09/18/2013						
PHILIP PORTOGHESE	09/19/2013						
RECEIVING PARTY DATA							
Name:	Regents of the University of Minnesota						
Street Address:	200 Oak Street SE						
Internal Address:	Suite 600						
City:	Minneapolis						
State/Country:	MINNESOTA						
Postal Code:	55455						
PROPERTY NUMBERS Total: 2							
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13003691</td> </tr> <tr> <td>PCT Number:</td> <td>US2009050303</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13003691	PCT Number:	US2009050303
Property Type	Number						
Application Number:	13003691						
PCT Number:	US2009050303						
CORRESPONDENCE DATA							
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Email:	rosen848@umn.edu						
<i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i>							
Correspondent Name:	MOLLY A. ROSEN						
Address Line 1:	200 OAK STREET SE						
Address Line 2:	SUITE 360 MCNAMARA CENTER						
Address Line 4:	MINNEAPOLIS, MINNESOTA 55455-2006						
ATTORNEY DOCKET NUMBER:	Z08039						
NAME OF SUBMITTER:	MOLLY A. ROSEN						

502523876

PATENT
 REEL: 031360 FRAME: 0730

CH \$80.00 13003691

Signature:	/Molly A. Rosen/
Date:	10/08/2013
Total Attachments: 4 source=Z08039 Assignment#page1.tif source=Z08039 Assignment#page2.tif source=Z08039 Assignment#page3.tif source=Z08039 Assignment#page4.tif	

ASSIGNMENT

WHEREAS, We, Ajay S. Yekkirala and Philip Fortoghese, made certain new and useful inventions and improvements for which we filed a Patent Application in the United States on July 10, 2009, which application was assigned U.S. Patent Application Serial Number 13/003,691, which is a National Stage Application under 35 USC §371 of International Application Number PCT/US2009/050303.

AND WHEREAS, REGENTS OF THE UNIVERSITY OF MINNESOTA, having an office and place of business at 1000 Westgate Drive, Suite 160, St. Paul, MN 55114-8658 (hereinafter "Assignee"), is desirous of acquiring the entire right, title and interest in and to said inventions, improvements and application and in and to any Letters Patent to be obtained therefor;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof are hereby acknowledged, we hereby sell, assign, transfer and set over unto said Assignee, including its successors and assigns, our entire right, title and interest to all inventions disclosed in the aforesaid application(s), including all rights to claim priority therefrom, and to any and all present or future patent applications to such inventions filed in the United States or any other country or region, inclusive of, but not limited to, all divisions, continuations, continuations-in-part, renewals thereof, substitutions, reexaminations, reissues, provisional patent applications, applications filed under the Patent Cooperation Treaty, certificates of addition, utility models, and petty patents, as well as all other intellectual property related to the applications, inclusive of, but not limited to, supplementary protection certificates, and to any and all Letters Patents and any related patent term extensions that may be granted for said Letters Patents with respect to the applications; all of the above to be held by Assignee as fully and entirely as the same would have been held by us had this Assignment not been made.

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

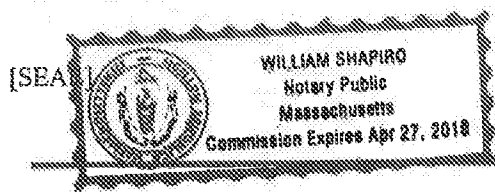
IN TESTIMONY WHEREOF, I have hereunto set my hand this 18th day of September, 2013.



Ajay S. Yekkirala

STATE OF Massachusetts

COUNTY OF Suffolk)ss

On this 18 day of September, 2013 before me personally appeared Ajay S. Yekkirala to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.



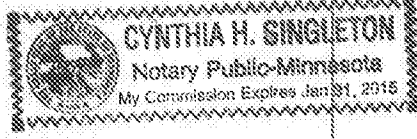

Notary Public

Docket No: 09531,283US1
Serial No.: 13/003,691 & PCT/US2009/050303
Filing Date: July 10, 2009

IN TESTIMONY WHEREOF, I have hereunto set my hand this 9-19-13 day of
_____, 2013. Philip S. Portoghese
Philip Portoghese

STATE OF MINNESOTA
COUNTY OF HENNEPIN

On this 19th day of SEPTEMBER, 2013 before me personally appeared Philip Portoghese to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

[SEAL] 

Cynthia H. Singleton
Notary Public

ASSIGNEE:

WE AGREE TO AND ACCEPT THE ATTACHED ASSIGNMENT DOCUMENT ON THIS 25th
DAY OF September, 2013.

REGENTS OF THE UNIVERSITY OF MINNESOTA

[Signature]

NAME: Paul B Saveriede

TITLE: Associate General Counsel

STATE OF MINNESOTA)

) SS.

COUNTY OF Hennepin)

BEFORE ME, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE,
PERSONALLY APPEARED Paul B Saveriede, KNOWN TO ME TO BE THE PERSON
WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT, AND ACKNOWLEDGED
TO ME THAT HE/SHE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS
THEREIN EXPRESSED.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS 25 DAY OF
September, 2013.

NOTARY PUBLIC [Signature]

(SEAL)

