503285139 04/29/2015

PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

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Name	Execution Date
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JACK MILWID	05/17/2012

RECEIVING PARTY DATA

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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	14645527

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ATTORNEY DOCKET NUMBER:	DOCKET NUMBER: 030258-073455-C	
NAME OF SUBMITTER:	DAVID S. RESNICK	
SIGNATURE:	/David S. Resnick/	
DATE SIGNED:	04/27/2015	

Total Attachments: 3

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PATENT 503285139 REEL: 035525 FRAME: 0703

Attorney Docket No.: 030258-073450-US/PCT PCT No.: PCT/US2010/040663 MGH 3903.04 / MIT 14052J

INTERNATIONAL (PCT) CONFIRMATORY ASSIGNMENT

ASSIGNOR(S) (inventors):

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Nationality:

US

ASSIGNOR(S) confirm that with the ASSIGNEE, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, as required by his/her/their employment agreement(s) and for good and valuable consideration, including salary or payment for the making of inventions, or employee benefits, the receipt of which is hereby acknowledged, and for other good and valuable consideration, confirm that I/we have sold and assigned and transferred to

ASSIGNEE:

Name:

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Address:

77 Massachusetts Avenue, Cambridge, MA 02139

Nationality:

US

the ASSIGNEE the entire right, title and interest in the United States and in all foreign countries, including all rights to claim priority in and to any and all improvements which are disclosed in the invention entitled ISOLATED ADULT CELLS, ARTIFICIAL ORGANS, REHABILITATED ORGANS, RESEARCH TOOLS, ORGAN ENCASEMENTS, ORGAN PERFUSION SYSTEMS, AND METHODS FOR PREPARING AND UTILIZING THE SAME and which is found in International Application No. PCT/US2010/040663 which has a Filing Date of June 30, 2010 and which claims benefit under 35 USC § 119(e) of U.S. Provisional Application No. 61/222,266 filed July 1, 2009 and U.S. Provisional Application No. 61/304,860 filed February 16, 2010 and U.S. Provisional Application No. 61/330,959 filed May 4, 2010 and any subsequent non-provisional application including all National Stage applications claiming priority therefrom, and any legal equivalent thereof in any designated country, including the right to claim priority, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to Letters Patent any re-issue or re-examination thereof, and do hereby sell, assign and transfer to the successor, assigns and legal representatives of the ASSIGNEE all right, title and interest in said invention;

Page I of 2 **PATENT REEL: 035525 FRAME: 0704**

Attorney Docket No.: 030258-073450-US/PCT PCT No.: PCT/US2010/040663 MGH 3903.04 / MIT 140521

ASSIGNOR(S) hereby confirm(s) and covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this confirmatory assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference, litigation or proceeding related thereto and 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 and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

The undersigned herby grant(s) the law firm of Nixon Peabody LLP of 100 Summer Street. Boston, Massachusetts 02110-2131, U.S.A., the power to insert on this Confirmatory Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN TESTIMONY WHEREOF, I, Marie day ofmay, 2012.	a Louisa Izamis, hereunto set my signature this
,	Maria Louisa Izamis
Witness Signature:	
IN TESTIMONY WHEREOF, I, Jack I	Milwid, hereunto set my signature this day of
	Jack Milwid
Witness Signature:	
Witness Printed Name:	
Date:	

Page 2 of 2

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PATENT REEL: 035525 FRAME: 0705

Attorney Docket No.: 030258-073450-US/PCT PCT No.: PCT/US2010/040663 MGH 3903.04 / MIT 14052J

ASSIGNOR(S) hereby confirm(s) and covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this confirmatory assignment;

ASSIGNOR(S) further covenant(s) that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR(S) and will testify as to the same in any interference, litigation or proceeding related thereto and 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 and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

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IN TESTIMONY WHEREOF, I. Maria Louisa Izamis, hereunto set my signature this

day of		204194 1241115, 110100	into set my dignature und
		Maria Louisa	Izamis
Witness Signature:			
Witness Printed Name: _			
Date:			
IN TESTIMONY, 2012.	WHEREOF, I, Jack M	lilwid, hereunto set m	ny signature this 17 day of
Witness Signature:	Jon The		
Witness Printed Name:	Jessica Elm	an	
Date: 5/17/12	-		

PATENT REEL: 035525 FRAME: 0706