

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Albert J. Swiston</td> <td>05/11/2009</td> </tr> <tr> <td>Michael F. Rubner</td> <td>05/11/2009</td> </tr> <tr> <td>Robert E. Cohen</td> <td>05/11/2009</td> </tr> <tr> <td>Darrell J. Irvine</td> <td>05/21/2009</td> </tr> </tbody> </table>		Name	Execution Date	Albert J. Swiston	05/11/2009	Michael F. Rubner	05/11/2009	Robert E. Cohen	05/11/2009	Darrell J. Irvine	05/21/2009
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RECEIVING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Massachusetts Institute of Technology</td> </tr> <tr> <td>Street Address:</td> <td>77 Massachusetts Avenue</td> </tr> <tr> <td>City:</td> <td>Cambridge</td> </tr> <tr> <td>State/Country:</td> <td>MASSACHUSETTS</td> </tr> <tr> <td>Postal Code:</td> <td>02142</td> </tr> </table>		Name:	Massachusetts Institute of Technology	Street Address:	77 Massachusetts Avenue	City:	Cambridge	State/Country:	MASSACHUSETTS	Postal Code:	02142
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (202)429-3902</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-429-3000</p> <p>Email: ipdocketing@steptoe.com</p> <p>Correspondent Name: Harold H. Fox</p> <p>Address Line 1: 1330 Connecticut Avenue, NW</p> <p>Address Line 4: Washington, DISTRICT OF COLUMBIA 20036</p>											
ATTORNEY DOCKET NUMBER:	14952.0367										
NAME OF SUBMITTER:	David Jump										
<p>Total Attachments: 5</p> <p>source=367_assign#page1.tif</p>											

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ASSIGNMENT

For valuable consideration, we, Albert J. Swiston of Baltimore, MD, Michael F. Rubner of Westford, MA, Robert E. Cohen of Jamaica Plain, MA and Darrell J. Irvine of Arlington, MA, hereby assign to: Massachusetts Institute of Technology, a corporation of Massachusetts, having a place of business at 77 Massachusetts Avenue, Cambridge, MA 02142; its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of applications for United States Patent signed by us, entitled SYNTHETICALLY FUNCTIONALIZED LIVING CELLS, filed April 9, 2009, and assigned U.S. Application Number 12/421,162, and we authorize and request the attorneys appointed in said applications to hereafter complete these assignments by inserting above the filing date and serial number of said applications when known; these assignments including said applications, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said applications under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully these assignments.

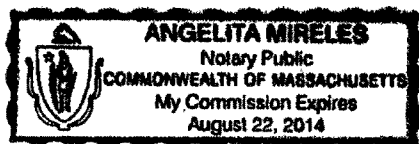
IN WITNESS WHEREOF, I hereto set my hand and seal at 77 Massachusetts Ave, Cambridge MA,
this 11 day of May, 2009
Albert J. Swiston L.S.
ALBERT J. SWISTON

State of MA :
: ss.
County of Middlesex :

Before me this 11 day of May, 2009, personally
appeared ALBERT J. SWISTON known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and
deed for the purposes therein contained.

Angelita Mireles
Notary Public
My Commission Expires: August 22, 2014

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at 77 Massachusetts Avenue, Cambridge
this 11 day of May, 2009 MA
02139
[Signature] L.S.
MICHAEL F. RUBNER

State of Massachusetts :

: ss.

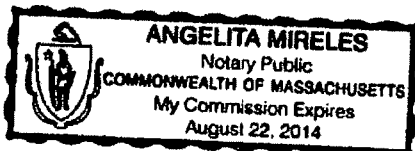
County of Middlesex :

Before me this 11 day of May, 2009, personally
appeared MICHAEL F. RUBNER known to me to be the person whose name is subscribed to
the foregoing Assignment and acknowledged that he/she executed the same as his/her free act
and deed for the purposes therein contained.

Angelita Mireles
Notary Public

My Commission Expires: August 22, 2014

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at 77 Massachusetts Avenue, Cambridge, MA 02139
this 11 day of May, 20 09
Robert E. Cohen L.S.
ROBERT E. COHEN

State of Massachusetts :

: ss.

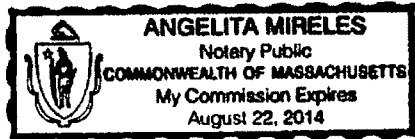
County of Middlesex :

Before me this 11 day of May, 20 09, personally
appeared ROBERT E. COHEN known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and
deed for the purposes therein contained.

Angelita Mireles
Notary Public

My Commission Expires: August 22, 2014

[Notary's Seal Here]



IN WITNESS WHEREOF, I hereto set my hand and seal at 77 Massachusetts Avenue Bldg 8-425
this 21 day of May, 20 09 Cambridge, MA 02139
Darrell J. Irvine L.S.
DARRELL J. IRVINE

State of MA :
: ss.

County of MIDDLESEX :

Before me this 21ST day of MAY, 20 09, personally
appeared DARRELL J. IRVINE known to me to be the person whose name is subscribed to the
foregoing Assignment and acknowledged that he/she executed the same as his/her free act and
deed for the purposes therein contained.

Angelita Mireles
Notary Public
My Commission Expires: August 22, 2014

[Notary's Seal Here]

