

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>PETER N. PINTAURO</td> <td>10/17/2012</td> </tr> <tr> <td>ANDREW PARK</td> <td>10/17/2012</td> </tr> <tr> <td>JASON BALLENGEE</td> <td>10/17/2012</td> </tr> </tbody> </table>		Name	Execution Date	PETER N. PINTAURO	10/17/2012	ANDREW PARK	10/17/2012	JASON BALLENGEE	10/17/2012				
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<table border="1"> <tr> <td>Name:</td> <td>Vanderbilt University</td> </tr> <tr> <td>Street Address:</td> <td>305 Kirkland Hall, 2201 West End Avenue</td> </tr> <tr> <td>Internal Address:</td> <td>Center for Technology Transfer and Commercialization</td> </tr> <tr> <td>City:</td> <td>Nashville</td> </tr> <tr> <td>State/Country:</td> <td>TENNESSEE</td> </tr> <tr> <td>Postal Code:</td> <td>37240</td> </tr> </table>		Name:	Vanderbilt University	Street Address:	305 Kirkland Hall, 2201 West End Avenue	Internal Address:	Center for Technology Transfer and Commercialization	City:	Nashville	State/Country:	TENNESSEE	Postal Code:	37240
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CORRESPONDENCE DATA													
<p>Fax Number: 4043659532</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Email: ipdocket@mmmlaw.com</p> <p>Correspondent Name: Morris Manning Martin LLP</p> <p>Address Line 1: 3343 Peachtree Road, NE</p> <p>Address Line 2: 1600 Atlanta Financial Center</p> <p>Address Line 4: Atlanta, GEORGIA 30326</p>													
ATTORNEY DOCKET NUMBER:	14506-85825												
NAME OF SUBMITTER:	Tim Tingkang Xia												
<p>Total Attachments: 5</p> <p>source=1450685825Assignment#page1.tif</p> <p>source=1450685825Assignment#page2.tif</p> <p>source=1450685825Assignment#page3.tif</p> <p>source=1450685825Assignment#page4.tif</p> <p>source=1450685825Assignment#page5.tif</p>													

CH \$40.00 13567857

ASSIGNMENT

WHEREAS, we, Peter N. Pintauro of 9251 Prestmoor Place, Brentwood, Tennessee 37235, United States of America; Andrew Park of 1715 Beechwood Ave, Nashville, Tennessee 37212, United States of America; and Jason Ballengee of 1649 Promontory Dr., Cedar Hill, Texas 75104 (hereinafter, the “**INVENTORS**”), have invented new and useful improvements in “**COMPOSITE MEMBRANES, METHOD OF MAKING SAME, AND APPLICATIONS OF SAME**” (VU12005US1) (hereinafter, the “**INVENTION**”) for which an application was filed on August 6, 2012, and assigned Application No. 13/567,857, which claims the benefit of priority to U.S. Provisional Application, filed on August 5, 2011, and assigned Application No. 61/515,804; and

WHEREAS, **VANDERBILT UNIVERSITY**, whose Post office address is Center for Technology Transfer and Commercialization, 305 Kirkland Hall, 2201 West End Avenue, Nashville, Tennessee 37240, USA, is desirous of acquiring the entire interest in the same;

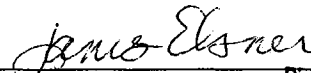
NOW, THEREFORE, for good and valuable consideration, as described in the Policy on Technology and Literary and Artistic Works, published in the 1993-1994 Vanderbilt Faculty Manual, as such policy is amended from time to time, the sufficiency and adequacy and receipt of which are hereby acknowledged, we, the **INVENTORS**, agree to assign and hereby do sell, assign and transfer unto said **VANDERBILT UNIVERSITY** the entire right, title and interest in and to said invention and application throughout the world, including, without limitation, any Letters Patent which may issue thereon, and any subsequent application claiming priority to the above-identified application, reissue, reexamination, divisional, continuation-in-part, extension or continuation thereof and all rights of priority under the Paris Convention arising from said application, and all other rights in the **INVENTION** possessed by the **INVENTORS**, including the right to bring suit for damages due to past infringements; the same for **VANDERBILT UNIVERSITY’S** legal representatives and assigns, as fully and entirely as the same would have been held by us had this assignment and sale not been made;

AND, we hereby bind ourselves, our heirs, legal representatives, administrators and assigns properly to execute without further consideration any and all applications, petitions, oaths and assignments or other papers and instruments which may be necessary in order to carry into full force and effect, the sale, assignment, transfer and conveyance hereby made or intended to be made and generally do everything possible to aid **VANDERBILT UNIVERSITY**, its legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries throughout the world;

AND, we 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, we, the **INVENTORS**, hereby authorize counsel for **VANDERBILT UNIVERSITY** to enter above information identifying applications claiming the **INVENTION** as well as any subsequent application claiming priority directly or indirectly to the above-listed applications under 35 U.S.C. § 119(e), including any reissues, reexaminations, divisions, continuations-in-part, extensions, or continuations thereof, and all rights of priority under the International Convention.

THIS ASSIGNMENT, received and accepted by **VANDERBILT UNIVERSITY** on this 26th day of Oct, 2012.



Assignee Representative Director of Commercial Operations
Center for Technology Transfer
and Commercialization

Title

IN WITNESS WHEREOF, I have executed this Assignment this 17 day of October 2012.

Peter N. Pintauro
Peter N. Pintauro

Witnessed By: _____

Signature

Witnessed By: _____

Signature

Printed Name of Witness

Printed Name of Witness

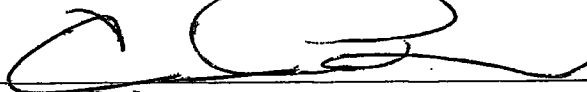
Address of Witness

Address of Witness

Date: _____

Date: _____

IN WITNESS WHEREOF, I have executed this Assignment this 17 day of Oct, 2012.



Andrew Park

Witnessed By: _____
Signature

Witnessed By: _____
Signature

Printed Name of Witness

Printed Name of Witness

Address of Witness

Address of Witness

Date: _____

Date: _____

IN WITNESS WHEREOF, I have executed this Assignment this 17th day of October, 2012.



Jason Ballengee

Witnessed By: _____
Signature

Witnessed By: _____
Signature

Printed Name of Witness

Printed Name of Witness

Address of Witness

Address of Witness

Date: _____

Date: _____