

## 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>YOSSEF A. ELABD</td> <td>12/06/2013</td> </tr> <tr> <td>YUESHENG YE</td> <td>10/15/2013</td> </tr> </tbody> </table>		Name	Execution Date	YOSSEF A. ELABD	12/06/2013	YUESHENG YE	10/15/2013
Name	Execution Date						
YOSSEF A. ELABD	12/06/2013						
YUESHENG YE	10/15/2013						
RECEIVING PARTY DATA							
Name:	DREXEL UNIVERSITY						
Street Address:	3141 CHESTNUT STREET						
City:	PHILADELPHIA						
State/Country:	PENNSYLVANIA						
Postal Code:	19104						
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>14024734</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14024734		
Property Type	Number						
Application Number:	14024734						
CORRESPONDENCE DATA							
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ATTORNEY DOCKET NUMBER:	DXU-0497 / 12-1419D						
NAME OF SUBMITTER:	FAITH A. POORE						
Signature:	/Faith A. Poore/						
Date:	12/06/2013						

CH \$40.00 14024734

Total Attachments: 4

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**ASSIGNMENT**

WHEREAS, I, **Yossef A. Elabd**, a citizen of **United States**, residing at **4 Village Greens Lane, Swarthmore, Pennsylvania 19081**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **DXU-0497 / 12-1419D / Z6398** ("the invention"), assigned application number **14/024,734** filed **September 12, 2013**, which is entitled **POLYMERIZED IONIC LIQUID BLOCK COPOLYMERS AS BATTERY MEMBRANES** ("the subject application"), and which is a continuation of application number **PCT/US2013/058930** filed **September 10, 2013** which claims benefit of **61/699,940** filed **September 12, 2012** ("the priority application").

AND WHEREAS, **Drexel University**, ASSIGNEE, having a place of business at **3141 Chestnut Street, Philadelphia, Pennsylvania 19104**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.


AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

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the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 10<sup>th</sup> day of December, year of 2013.

  
Signature – Yossef A. Elabd

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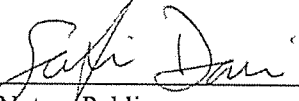
STATEMENT OF NOTARY PUBLIC

STATE OF Pennsylvania :

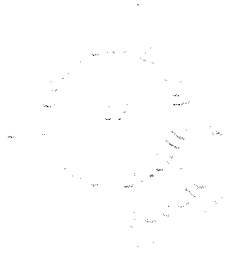
: SS

COUNTY OF Philadelphia:

On this 10<sup>th</sup> day of December, year of 2013, before me personally came the above named **Yossef A. Elabd** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

  
Notary Public

COMMONWEALTH OF PENNSYLVANIA  
NOTARIAL SEAL  
SOFIA DAVIS, Notary Public  
City of Philadelphia, Phila. County  
My Commission Expires June 26, 2017



**ASSIGNMENT**

WHEREAS, I, **Yuesheng Ye**, a citizen of **China**, residing at **1001 Rockville Pike, Apt. 1314, Rockville, Maryland 20852**, ASSIGNOR, am an inventor of one or more inventions disclosed, described and/or claimed in the application referred to as Docket Number **DXU-0497 / 12-1419D / Z6398** ("the invention"), assigned application number **14/024,734** filed **September 12, 2013**, which is entitled **POLYMERIZED IONIC LIQUID BLOCK COPOLYMERS AS BATTERY MEMBRANES** ("the subject application"), and which is a continuation of application number **PCT/US2013/058930** filed **September 10, 2013** which claims benefit of **61/699,940** filed **September 12, 2012** ("the priority application").

AND WHEREAS, **Drexel University**, ASSIGNEE, having a place of business at **3141 Chestnut Street, Philadelphia, Pennsylvania 19104**, is desirous of obtaining my entire right, title, and interest in, to, and under the invention:

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the ASSIGNOR, hereby sell, assign, transfer, and set over, unto the ASSIGNEE, its successors, legal representatives, and assigns, my entire right, title, and interest in, to, and under the invention, and all applications for industrial property protection, including without limitation, all applications for patents, utility models, inventors' certificates, and designs that have been filed, and that may hereafter be filed, in any country, that disclose, describe, and/or claim the invention, including, without limitation, the subject application and the priority application, and all extensions, renewals, and reissues of such applications, including all divisions and continuations in whole or in part; all patents granted on such applications in any country, and all extensions, renewals, and reissues of such patents, including all divisions and continuations in whole or in part; the right to file such applications in any country; and the right to claim for such applications in any country the priority rights derived from the priority application and the subject application under the International Convention for the Protection of Industrial Property, the Patent Laws of the United States, any other international agreement or protection, or the domestic laws of any country in which any such application is filed, as may be applicable.

AND I HEREBY covenant and agree that I have full right to convey my entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the ASSIGNEE, its successors, legal representatives, and assigns, any facts known to me respecting the invention, and testify in any legal proceeding, sign all lawful papers, execute all disclaimers and all divisional, continuing, reissue, and foreign applications, make all rightful oaths, deliver upon request all papers, documents, affidavits, or other instruments that may be necessary or helpful in the prosecution of any application for industrial property protection describing and/or claiming

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the invention, and generally do everything possible to aid the ASSIGNEE, its successors, legal representatives, and assigns, to obtain and enforce proper protection for the invention in all countries.

IN TESTIMONY WHEREOF, I have signed my name below on the date indicated above my signature.

Executed this 15 day of October, year of 2013.

Yuesheng Ye  
Signature – Yuesheng Ye

\*\*\*\*\*

STATEMENT OF NOTARY PUBLIC

STATE OF Maryland :  
: SS  
COUNTY OF Montgomery

**ROSA ELISA SALAS**  
Notary Public  
Montgomery County  
Maryland  
My Commission Expires June 27, 2017

On this 15 day of October, year of 2013, before me personally came the above named **Yuesheng Ye** to me personally known and known to me to be the same individual who executed the foregoing assignment, and who acknowledged to me that execution of the same was of that person's own free will for the use and purposes therein set forth.

Rosa Elisa Salas  
Notary Public