

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
TZE CHIANG CHUNG	09/01/2015
CHANGWOO NAM	09/01/2015
GANG ZHANG	09/01/2015
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<b>Property Type</b>	<b>Number</b>
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<b>SIGNATURE:</b>	/DANIEL BUCCA/
<b>DATE SIGNED:</b>	09/17/2015
<b>Total Attachments: 2</b>	
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**ASSIGNMENT**

WHEREAS, Tze Chiang CHUNG, Changwoo NAM, and Gang ZHANG all of University Park, PA ("Assignor"), made a certain new and useful invention as set forth in an application for United States Letters Patent entitled POLYOLEFIN INTERPENETRATED NETWORK MATERIAL FOR HYDROCARBON RECOVERY, which was filed on 09/17/2015 and identified by U.S. Patent Application No. 14/857,440;

AND WHEREAS, **The Penn State Research Foundation**, a not-for-profit corporation of the Commonwealth of Pennsylvania and having an address of 304 Old Main, University Park, PA 16802 ("Assignee"), is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Assignee, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention and the above-mentioned application for Letters Patent, including any utility applications, continuations, continuations-in-part, and divisions of said application, and in and to any and all Letters Patents of the United States and all foreign countries which may be granted therefore and thereon, and all reissues, re-examinations and extensions thereof, and all rights under any and all international agreements, treaties and laws relating to the protection of industrial property including the right of priority, and the right to apply for and obtain in all countries any and all Letters Patents, and the right to procure the grant of all such Letters Patents to Assignee in its own name, the same to be held and enjoyed by Assignee for its own use and benefit and the use and benefit of its successors, assigns and legal representatives, to the full end of the term for which said Letters Patent may be granted and/or extended as fully and entirely as the same would have been held by Assignor had this assignment and sale not been made.

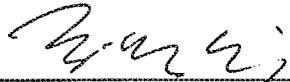
AND UPON SAID CONSIDERATIONS, I hereby agree with the said Assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said Assignee, execute such additional assignments and other writings and do such additional acts as said Assignee may deem necessary or desirable to perfect the Assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining utility applications, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States and any and all foreign countries on said invention, and in enforcing any rights or chose in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the successors, assigns and legal representatives of Assignor and Assignee;

AND I hereby grant Assignee, its legal representatives, successors and assigns, the power to insert on this instrument any further identification that may be necessary or desirable to comply with the recordation rules of any appropriate and competent authority, including, without limitation, the United States Patent and Trademark Office.

AND I hereby agree that this Assignment may be executed in two or more counterparts each of which shall be deemed an original but all of which together shall constitute one and the same instrument.

AND I request the Commissioner for Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention and on said application to Assignee, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Sept. 1, 2015  
Date

  
Tze Chiang CHUNG

Sept. 1, 2015  
Date

  
Changwoo NAM

09/01/2015  
Date

  
Gang ZHANG