

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT										
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT										
<b>CONVEYING PARTY DATA</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Chunqing Liu</td> <td>09/28/2006</td> </tr> <tr> <td>Santi Kulprathipanja</td> <td>09/28/2006</td> </tr> <tr> <td>Mark E. Schott</td> <td>09/28/2006</td> </tr> <tr> <td>Stephen T. Wilson</td> <td>09/28/2006</td> </tr> </tbody> </table>		Name	Execution Date	Chunqing Liu	09/28/2006	Santi Kulprathipanja	09/28/2006	Mark E. Schott	09/28/2006	Stephen T. Wilson	09/28/2006
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<b>RECEIVING PARTY DATA</b>											
<b>Name:</b>	UOP LLC										
<b>Street Address:</b>	25 E. Algonquin Rd.										
<b>Internal Address:</b>	Patent Department										
<b>City:</b>	Des Plaines										
<b>State/Country:</b>	ILLINOIS										
<b>Postal Code:</b>	60017-5017										
<b>PROPERTY NUMBERS Total: 1</b>											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11537294</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11537294						
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Application Number:	11537294										
<b>CORRESPONDENCE DATA</b>											
<b>Fax Number:</b>	(847)391-2387										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
<b>Phone:</b>	(847) 391-2027										
<b>Email:</b>	IP.Docketclerk@uop.com										
<b>Correspondent Name:</b>	UOP LLC										
<b>Address Line 1:</b>	25 E. Algonquin Rd.										
<b>Address Line 2:</b>	Patent Department										
<b>Address Line 4:</b>	Des Plaines, ILLINOIS 60017-5017										
<b>ATTORNEY DOCKET NUMBER:</b>	110241										
<b>NAME OF SUBMITTER:</b>	Mark Goldberg										

**CH \$40.00 11537294**

Total Attachments: 3

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# ASSIGNMENT

U.S. Provisional Application

U.S. Utility Patent Application

Attorney Docket No. 110241

WHEREAS, **CHUNQING LIU**, a citizen of the PEOPLE'S REPUBLIC OF CHINA, residing in the City of SCHAUMBURG, in the County of COOK and State of ILLINOIS, **SANTI KULPRATHIPANJA**, a citizen of THE UNITED STATES OF AMERICA, residing in the City of INVERNESS, in the County of COOK and State of ILLINOIS, **MARK E. SCHOTT**, a citizen of THE UNITED STATES OF AMERICA, residing in the City of PALATINE, in the County of COOK and State of ILLINOIS, and **STEPHEN T. WILSON**, a citizen of THE UNITED STATES OF AMERICA, residing in the City of LIBERTYVILLE, in the County of LAKE and State of ILLINOIS, and hereinafter referred to as "the inventors" have invented certain new and useful improvements in

## IONIC LIQUID-SOLID-POLYMER MIXED MATRIX MEMBRANES FOR GAS SEPARATIONS

WHEREAS, the inventors hereby authorize and request their attorney/agent of record to have inserted on each page (where indicated below) the filing date and application number of said application when known; and

WHEREAS, UOP LLC, a company organized and existing under the laws of the State of Delaware having a principal place of business at Des Plaines, Illinois, is desirous of acquiring an interest in and to said application, the inventions disclosed therein, and the Letters Patent of the United States that may be issued thereon.

NOW, THEREFORE in consideration of the sum of One Dollar (\$1.00) and other good and valuable considerations the receipt of which is hereby acknowledged, said inventors do hereby transfer, set over and assign unto said UOP LLC, its successors and assigns, the entire right, title and interest in, to and under said application; the invention(s) covered thereby; any and all resultant patent or patents thereon; any renewals, reissues, extensions, reexaminations, substitutions, continuations, or divisions thereof, and all foreign rights thereunder including all rights to claim any priority in and to the inventions disclosed therein. Inventors hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said UOP LLC, its successors and assigns.

IN WITNESS WHEREOF, the inventors have set their signatures hereunto on the date specified below.

Application No. 11 / 537 294 filed 9-29-2006

Atty. Docket # 110241

*Chunqing Liu*

*9/28/06*

*9/28/06*

Chunqing Liu

Date

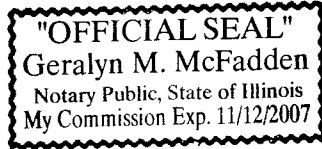
Date Executed

Application for Letters Patent

State of Illinois  
County of Cook

Before me, on this day, 09-28-06, personally appeared **CHUNQING LIU**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

SEAL



*Geralyn M. McFadden*  
Notary Public

*Santi Kulprathipanja*

*9/28/06*

*9/28/06*

Santi Kulprathipanja

Date

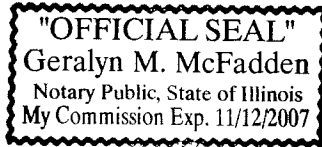
Date Executed

Application for Letters Patent

State of Illinois  
County of Cook

Before me, on this day, 09-28-06, personally appeared **SANTI KULPRATHIPANJA**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

SEAL



*Geralyn M. McFadden*  
Notary Public

*Mark E. Schott*

*9/28/06*

*9/28/06*

Mark E. Schott

Date

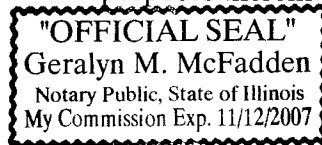
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Before me, on this day, 09-28-06, personally appeared **MARK E. SCHOTT**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

SEAL



*Geralyn M. McFadden*  
Notary Public

Application No. 11/537 294

filed

9-29-2006

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Stephen T. Wilson  
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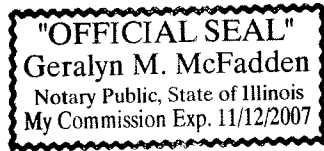
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Before me, on this day, 09-28-06, personally appeared **STEPHEN T. WILSON**, to me personally known, who duly acknowledged the foregoing instrument to be his/her free and voluntary act and deed for the purposes therein expressed.

SEAL



Geralyn M. McFadden  
Notary Public

Application No. 11/537 294 filed 9-29-2006

Atty. Docket # 110241

RECORDED: 10/09/2006

**PATENT**  
(Rev. 03-21-00)  
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