

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>Young Taik Hong</td> <td>11/21/2011</td> </tr> <tr> <td>Jong Ho Choi</td> <td>11/21/2011</td> </tr> <tr> <td>Kyung Seok Yoon</td> <td>11/21/2011</td> </tr> <tr> <td>Sang Young Lee</td> <td>11/18/2011</td> </tr> </tbody> </table> | | Name | Execution Date | Young Taik Hong | 11/21/2011 | Jong Ho Choi | 11/21/2011 | Kyung Seok Yoon | 11/21/2011 | Sang Young Lee | 11/18/2011 |
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| Sang Young Lee | 11/18/2011 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
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| 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>13375961</td> </tr> </tbody> </table> | | Property Type | Number | Application Number: | 13375961 | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 13375961 | | | | | | | | | | |
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| Total Attachments: 3 source=assign89486#page1.tif source=assign89486#page2.tif source=assign89486#page3.tif | | | | | | | | | | | |

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PATENT
 REEL: 027317 FRAME: 0155

Attorney Docket No.

U.S. Serial No. _____

Filed: _____

ASSIGNMENT

WHEREAS, we

Inventor 1, HONG, Young Taik residing at Gyeongnam Honorsville Apt. 107-303, Techno Valley, Yongsan-dong, Yuseong-gu, Daejeon, 305-500, The Republic of Korea,
Inventor 2, CHOI, Jong Ho residing at 404, 126-5, Sinseong-dong, Yuseong-gu, Daejeon, 305-804, The Republic of Korea,

Inventor 3, YOON, Kyung Seok residing at KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY Dormitory No. 107, Jang-dong 100, Yuseong-gu, Daejeon, 305-343, The Republic of Korea, and

Inventor 4, LEE, Sang-Young residing at Hyundai 3-cha Apt. 307-1004, Seoksa-dong, Chuncheon-si, Gangwon-do, 200-267, The Republic of Korea ,
have invented new and useful improvements in **INVENTION TITLE, CERAMIC POROUS SUBSTRATE, REINFORCED COMPOSITE ELECTROLYTE MEMBRANE USING THE SAME AND MEMBRANE-ELECTRODE ASSEMBLY HAVING THE SAME** and have executed an application for United States Letters Patent, and

WHEREAS, KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY organized and existing under the laws of The Republic of Korea, having a place of business at 100 Jang-dong, Yuseong-gu, Daejeon, 305-343, The Republic of Korea, (Hereinafter "Assignee") is desirous of acquiring the entire right, title, and interest in and to said invention, said application, and in to and under all Letters Patent of the United States and foreign countries that may be granted therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that for and in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration to me in hand and paid by said Assignee the receipt of which is hereby acknowledged, we, said Inventor 1 and Inventor 2 have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over to and unto said Assignee, its successors and assigns, for, within and throughout the United States and the territories thereof, and all foreign countries, the entire right, title and interest in and to said invention, and in, to and under said application, and all Letters Patent of the United States and foreign countries that may be granted for said

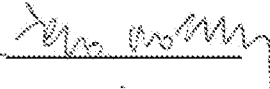
invention and improvements, including divisions, reissues, subdivisions, continuations and prolongations of such applications and Letters Patent, to have and to hold for the sole and exclusive use and benefit of said Assignee, its successors and assigns, to the full end of the term or terms for which any and all of said Letters Patent for said invention may issue, and further, including the right to Assignee to file in its name applications for Letters Patent to said improvements in any country or countries foreign to the United States including the full right to claim for any such applications the priority benefits of the International Convention for the Protection of Industrial Property and other priority conferring treaties, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof.

We do hereby covenant and agree, for ourselves, heirs and legal representatives, that we will assist said Assignee in the prosecution of the application herein identified; in the making and prosecution of any other applications for Letters Patent that said Assignee may elect to make covering the invention herein identified, as hereinbefore set forth; in vesting in said Assignee, like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that we will execute and deliver to said Assignee, any and all additional papers that may be requested by said Assignee, to fully carry out the terms of this assignment.

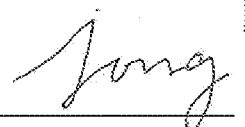
And we do hereby authorize and request the Commissioner of Patents to issue all Letters Patent of the United States that may be granted pursuant to application aforesaid, or for said invention, to said Assignee, its successors and assigns in accordance with this assignment.

And we hereby covenant that we have full right to convey the entire interest herein assigned, and that we have not executed and will not execute any agreement in conflict herewith.

Nov. 21. 2011
Date

HONG, Young Taik 
INVENTOR 1

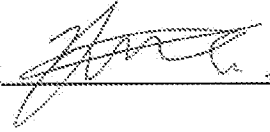
Nov-21-2011
Date

CHOI, Jong Ho 
INVENTOR 2

Nov - 21 - 2011

Date

YOON, Kyung Seok
INVENTOR 3



Nov - 18 - 2011

Date

LEE, Sang-Young
INVENTOR 4

