

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

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>Jeong-Dai JO</td> <td>08/31/2011</td> </tr> <tr> <td>Jong-Su YU</td> <td>08/31/2011</td> </tr> <tr> <td>Jung Su KIM</td> <td>08/31/2011</td> </tr> <tr> <td>Seong-Man YOON</td> <td>08/31/2011</td> </tr> <tr> <td>Sung Woo BAE</td> <td>08/31/2011</td> </tr> <tr> <td>Dong-Soo KIM</td> <td>08/31/2011</td> </tr> </tbody> </table>		Name	Execution Date	Jeong-Dai JO	08/31/2011	Jong-Su YU	08/31/2011	Jung Su KIM	08/31/2011	Seong-Man YOON	08/31/2011	Sung Woo BAE	08/31/2011	Dong-Soo KIM	08/31/2011
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RECEIVING PARTY DATA															
Name:	KOREA INSTITUTE OF MACHINERY & MATERIALS														
Street Address:	171, Jang-dong, Youseong-ku														
City:	Daejeon-city														
State/Country:	REPUBLIC OF KOREA														
Postal Code:	305-343														
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>13223402</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13223402										
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Application Number:	13223402														
CORRESPONDENCE DATA															
Fax Number:	(703)263-9361														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
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ATTORNEY DOCKET NUMBER:	PPP20111926US														
NAME OF SUBMITTER:	Jongwon Kim														
Total Attachments: 2 source=PPP20111926US_ASSIGN#page1.tif source=PPP20111926US_ASSIGN#page2.tif															

CH \$40.00 13223402

ASSIGNMENT

DOCKET NO.

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE: KOREA INSTITUTE OF MACHINERY & MATERIALS

ADDRESS: 171, Jang-dong, Youseong-ku, Daejeon-city, 305-343, Republic of Korea

Who is my Assignee, and to the successes and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: METHOD FOR MANUFACTURING TRANSPARENT ELECTRODE USING PRINT-BASED METAL WIRE AND TRANSPARENT ELECTRODE MANUFACTURED THEREBY

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment or indicates an attorney docket no. _____, or is more particularly identified as:

- executed on even date herewith, or
 Serial No. _____ filed in the U.S. Patent & Trademark Office on _____
or
 executed on _____

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said _____, my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of any certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee;

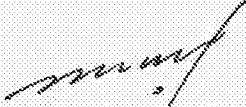

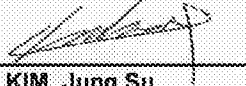

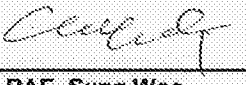
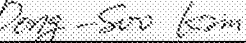
And I further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

AND I do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request the practitioners associated with Customer No. 66390 of LEXYOUME IP Group, PLLC as my attorney(s) or agent(s) to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

PATENT

REEL: 026842 FRAME: 0128

<u>INVENTOR(S)</u>	<u>Date Signed</u>	<u>Witness(es)</u>
1)  _____ JO, Jeong-Dai	<u>31. Aug. 2011</u>	_____
2)  _____ YU, Jong-Su	<u>31. Aug. 2011</u>	_____
3)  _____ KIM, Jung Su	<u>31. Aug. 2011</u>	_____
4)  _____ YOON, Seong-Man	<u>31. August. 2011</u>	_____
5)  _____ BAE, Sung Woo	<u>31. August 2011</u>	_____
6)  _____ KIM, Dong-Soo	<u>31. Aug. 2011</u>	_____