

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>Sun Jin YUN</td> <td>10/07/2010</td> </tr> <tr> <td>Jaemin LEE</td> <td>10/11/2010</td> </tr> <tr> <td>Jun Kwan KIM</td> <td>10/07/2010</td> </tr> <tr> <td>JungWook LIM</td> <td>10/07/2010</td> </tr> </tbody> </table>		Name	Execution Date	Sun Jin YUN	10/07/2010	Jaemin LEE	10/11/2010	Jun Kwan KIM	10/07/2010	JungWook LIM	10/07/2010
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Sun Jin YUN	10/07/2010										
Jaemin LEE	10/11/2010										
Jun Kwan KIM	10/07/2010										
JungWook LIM	10/07/2010										
RECEIVING PARTY DATA											
Name:	ELECTRONICS AND TELECOMMUNICATIONS RESEARCH INSTITUTE										
Street Address:	161, Gajeong-dong, Yuseong-gu										
City:	Daejeon										
State/Country:	REPUBLIC OF KOREA										
Postal Code:	305-700										
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>12909144</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12909144						
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Application Number:	12909144										
CORRESPONDENCE DATA											
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NAME OF SUBMITTER:	Robert H. Berdo, Jr										
Total Attachments: 2											

OP \$40.00 12909144

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**PATENT
 REEL: 025173 FRAME: 0423**

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Attorney reference _____

Client Reference: IP20092068

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

WHEREAS YUN, Sun Jin; LEE, JAEMIN; KIM, Jun Kwan and LIM, JungWook, hereinafter referred to collectively as the assignor, has invented a certain improvement relating to **METHOD FOR ANTIREFLECTION TREATMENT OF A ZINC OXIDE FILM AND METHOD FOR MANUFACTURING SOLAR CELL USING THE SAME**

the inventor's declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

said application having been filed in the United States Patent and Trademark Office on _____, authorization being hereby given to my attorneys, Steven M. Rabin, Robert H. Berdo, Jr., Allen Wood, Alun L. Palmer, and Phillip G. Avruch of RABIN & BERDO, P.C., 1101 14th Street, N.W., Washington, D.C. 20005, to insert here in parentheses (_____) the application serial number of said application when known;

said application having been filed under the Patent Cooperation Treaty on _____, Serial No. _____ the United States of America being designated.

AND WHEREAS Electronics and Telecommunications Research Institute of 161, Gajeong-dong, Yuseong-gu, Daejeon 305-700, Republic of Korea, hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, this 7th day of October, 2010.

WITNESSES:

Signature: _____

Name: _____

Address: _____

ASSIGNOR:

Signature: *Sunjin Yun*

Name: YUN, Sun Jin

WITNESSES:

Signature: _____

Name: _____

Address: _____

PATENT

REEL: 025173 FRAME: 0425

Attorney Reference _____

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

EXECUTED, this 11th day of October, 2010.

WITNESSES:

Signature: _____
Name: _____
Address: _____

ASSIGNOR:

Signature: Jae Min Lee
Name: LEE, JAEMIN

Signature: _____
Name: _____
Address: _____

EXECUTED, this 17th day of October, 2010.

WITNESSES:

Signature: _____
Name: _____
Address: _____

ASSIGNOR:

Signature: Kim Jun Kwan
Name: KIM, Jun Kwan

Signature: _____
Name: _____
Address: _____

EXECUTED, this 17th day of October, 2010.

WITNESSES:

Signature: _____
Name: _____
Address: _____

ASSIGNOR:

Signature: Lim Jung Wook
Name: LIM, JungWook

Signature: _____
Name: _____
Address: _____