

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>Ryo MITTA</td> <td>06/10/2013</td> </tr> <tr> <td>Yoko ENDO</td> <td>06/10/2013</td> </tr> <tr> <td>Takenori WATABE</td> <td>06/10/2013</td> </tr> <tr> <td>Hiroyuki OTSUKA</td> <td>06/10/2013</td> </tr> </tbody> </table>		Name	Execution Date	Ryo MITTA	06/10/2013	Yoko ENDO	06/10/2013	Takenori WATABE	06/10/2013	Hiroyuki OTSUKA	06/10/2013
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<table border="1"> <tr> <td>Name:</td> <td>Shin-Etsu Chemical Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>6-1, Ohtemachi 2-chome, Chiyoda-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	Shin-Etsu Chemical Co., Ltd.	Street Address:	6-1, Ohtemachi 2-chome, Chiyoda-ku	City:	Tokyo	State/Country:	JAPAN		
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CORRESPONDENCE DATA											
<p>Fax Number: 2028221111 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 202-822-1100 Email: patentmail@whda.com Correspondent Name: WESTERMAN, HATTORI, DANIELS & ADRIAN, LL Address Line 1: 1250 CONNECTICUT AVENUE, NW Address Line 2: SUITE 700 Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20036</p>											
ATTORNEY DOCKET NUMBER:	130760										
NAME OF SUBMITTER:	Crystal Boyer										
Signature:	/Crystal Boyer/										
Date:	06/24/2013										
Total Attachments: 1 source=130760_Assignment_06_24_2013#page1.tif											

OP \$40.00 13997341

U.S. ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the adequacy and receipt of which is hereby acknowledged by the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's
Name(s) Address(es))

**Shin-Etsu Chemical Co., Ltd. of
6-1, Ohtemachi 2-chome, Chiyoda-ku, Tokyo, Japan**

(hereinafter ASSIGNEE), the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention)

**METHOD FOR MANUFACTURING SOLAR CELL ELEMENT AND SOLAR CELL
ELEMENT**

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on _____ Application No. _____

(Westerman, Hattori, Daniels & Adrian, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

<u>Ryo Mitta</u> (Signature)	<u>Ryo MITTA</u> (Type Name)	<u>June 10, 2013</u> (Date)
<u>Yoko Endo</u> (Signature)	<u>Yoko ENDO</u> (Type Name)	<u>June 10, 2013</u> (Date)
<u>Takenori Watabe</u> (Signature)	<u>Takenori WATABE</u> (Type Name)	<u>June 10, 2013</u> (Date)
<u>HiroYuki Otsuka</u> (Signature)	<u>HiroYuki OTSUKA</u> (Type Name)	<u>June 10, 2013</u> (Date)

NO LEGALIZATION REQUIRED