

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HIDEO OOIWA	01/10/2013
TAKENORI WATABE	01/10/2013
HIROYUKI OTSUKA	01/10/2013
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<b>Property Type</b>	<b>Number</b>
Application Number:	14943390
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<b>DATE SIGNED:</b>	11/20/2015
<b>Total Attachments: 1</b>	
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### 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.  
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)

#### SUBSTRATE FOR SOLAR CELL, AND SOLAR CELL

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>Hideo Ooiwa</u> (Signature)	<u>Hideo OOIWA</u> (Type Name)	<u>January 10, 2013</u> (Date)
<u>Takenori Watabe</u> (Signature)	<u>Takenori WATABE</u> (Type Name)	<u>January 10, 2013</u> (Date)
<u>Hiroyuki Otsuka</u> (Signature)	<u>Hiroyuki OTSUKA</u> (Type Name)	<u>January 10, 2013</u> (Date)
<u>Kazuo Hara</u> (Signature)	<u>Kazuo HARA</u> (Type Name)	<u>January 10, 2013</u> (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)
_____ (Signature)	_____ (Type Name)	_____ (Date)

NO LEGALIZATION REQUIRED

PATENT