

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hideki Hakuma</td> <td>08/18/2010</td> </tr> <tr> <td>Yoshiaki Tanaka</td> <td>08/18/2010</td> </tr> <tr> <td>Tetsuya Aramoto</td> <td>08/27/2010</td> </tr> <tr> <td>Katsumi Kushiya</td> <td>08/24/2010</td> </tr> </tbody> </table>		Name	Execution Date	Hideki Hakuma	08/18/2010	Yoshiaki Tanaka	08/18/2010	Tetsuya Aramoto	08/27/2010	Katsumi Kushiya	08/24/2010
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Showa Shell Sekiyu K.K.</td> </tr> <tr> <td>Street Address:</td> <td>2-3-2, Daiba, Minato-ku</td> </tr> <tr> <td>City:</td> <td>Tokyo</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>135-8074</td> </tr> </table>		Name:	Showa Shell Sekiyu K.K.	Street Address:	2-3-2, Daiba, Minato-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	135-8074
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
<p>Fax Number: (703)717-9392</p> <p><i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-717-9362</p> <p>Email: cgoode@cermaknakajima.com</p> <p>Correspondent Name: Tomoko Nakajima Cermak Nakajima LLP</p> <p>Address Line 1: 127 S. Peyton Street</p> <p>Address Line 2: Suite 210</p> <p>Address Line 4: Alexandria, VIRGINIA 22314</p>											
ATTORNEY DOCKET NUMBER:	1005-0019										
NAME OF SUBMITTER:	Christopher Goode										
Total Attachments: 2											

OP \$40.00 12921222

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PATENT
REEL: 024945 FRAME: 0725

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ASSIGNMENT

WHEREAS WE, the below named inventors, [hereinafter referred to as Assignors], have made an invention entitled:

INTEGRATED STRUCTURE OF CIS BASED SOLAR CELL

for which WE executed an application for United States Letters Patent concurrently herewith; and

WHEREAS Showa Shell Sekiyu K.K., a corporation of Japan, whose post office address is 2-3-2, Daiba, Minato-ku, Tokyo 135-8074, Japan (hereinafter referred to as Assignee), is desirous of securing the entire right, title, and interest in and to this invention in all countries throughout the world, and in and to the application of United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for and in consideration of the sum of One Dollar (\$1.00) in hand paid and other good and valuable consideration the receipt of which from Assignee is hereby acknowledged, WE, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the Assignee, its lawful successors and assigns, OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof, and all rights to claim priority on the basis of such applications, and all applications for Letters Patent which may hereafter be filed for this invention in any foreign country and all Letters Patent which may be granted on this invention in any foreign country, and all extensions, renewals, and reissues thereof; and WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States and any official of any foreign country whose duty it is to issue patents on applications as described above, to issue all Letters Patent of this invention to Assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY covenant that WE have the full right to convey the interest assigned by this Assignment, and WE have not executed and will not execute any agreement in conflict with this Assignment;

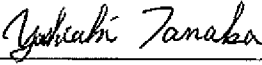
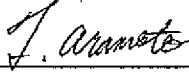
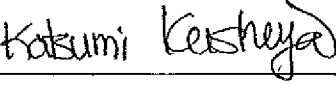
AND, WE HEREBY further covenant and agree that WE will, without further consideration, communicate with Assignee, its successors and assigns, any facts known to US respecting this invention, and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver any and all papers that may be necessary or desirable to perfect the title to this invention in said Assignee, its successors or assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States and any foreign country, it being understood that any expense incident to the execution of such papers shall be borne by the Assignee, its successors and assigns;

AND, WE HEREBY authorize and request the attorneys WE have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. 12/921,222, filed 09/07/2010) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, I have hereunto set my hand.

Full Name of First Assignor Hideki HAKUMA	Assignor's Signature <i>Hideki Hakuma</i>	Date <i>Aug. 18, 2010</i>
Address: c/o Showa Shell Sekiyu K.K., 2-3-2, Daiba, Minato-ku, Tokyo 135-8074, Japan		Citizenship Japan
Names of additional inventors attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Cermak Nakajima LLP

<u>Full Name of Second Assignor</u> Yoshiaki TANAKA	<u>Assignor's Signature</u> 	<u>Date</u> Aug. 18. 2010
<u>Address:</u> c/o Showa Shell Sekiyu K.K., 2-3-2, Daiba, Minato-ku, Tokyo 135-8074, Japan		<u>Citizenship:</u> Japan
<u>Full Name of Third Assignor</u> Tetsuya ARAMOTO	<u>Assignor's Signature</u> 	<u>Date</u> Aug. 27. 2010
<u>Address:</u> c/o Showa Shell Sekiyu K.K., 2-3-2, Daiba, Minato-ku, Tokyo 135-8074, Japan		<u>Citizenship:</u> Japan
<u>Full Name of Fourth Assignor</u> Katsumi KUSHIYA	<u>Assignor's Signature</u> 	<u>Date</u> Aug. 24. 2010
<u>Address:</u> c/o Showa Shell Sekiyu K.K., 2-3-2, Daiba, Minato-ku, Tokyo 135-8074, Japan		<u>Citizenship:</u> Japan
<p style="text-align: center;">Names of additional inventors attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

Cernak Nakajima LLP

PATENT

RECORDED: 09/07/2010

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