

PATENT ASSIGNMENT

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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>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Fumito ISAKA</td> <td>11/13/2008</td> </tr> <tr> <td>Sho KATO</td> <td>11/13/2008</td> </tr> <tr> <td>Kosei NEI</td> <td>11/13/2008</td> </tr> <tr> <td>Ryu KOMATSU</td> <td>11/13/2008</td> </tr> <tr> <td>Akihisa Shimomura</td> <td>11/13/2008</td> </tr> <tr> <td>Koji DAIRIKI</td> <td>11/13/2008</td> </tr> </tbody> </table>		Name	Execution Date	Fumito ISAKA	11/13/2008	Sho KATO	11/13/2008	Kosei NEI	11/13/2008	Ryu KOMATSU	11/13/2008	Akihisa Shimomura	11/13/2008	Koji DAIRIKI	11/13/2008
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Koji DAIRIKI	11/13/2008														
RECEIVING PARTY DATA															
Name:	Semiconductor Energy Laboratory Co., Ltd.														
Street Address:	398 Hase														
City:	Atsugi-shi Kanagawa-ken														
State/Country:	JAPAN														
Postal Code:	243-0036														
PROPERTY NUMBERS Total: 1															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12324065</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12324065										
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Application Number:	12324065														
CORRESPONDENCE DATA															
Fax Number:	(877)769-7945														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	(202) 783-5070														
Email:	apsi@fr.com														
Correspondent Name:	John F. Hayden														
Address Line 1:	FISH & RICHARDSON P.C.														
Address Line 2:	P.O.BOX 1022														
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ATTORNEY DOCKET NUMBER:	12732-0585001														

CH \$40.00 12324065

NAME OF SUBMITTER:

Sharon M. Washington

Total Attachments: 2

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ASSIGNMENT

For valuable consideration, We, Fumito ISAKA of Zama, Kanagawa, Japan, Sho KATO of Isehara, Kanagawa, Japan, Kosei NEI of Isehara, Kanagawa, Japan, Ryu KOMATSU of Atsugi, Kanagawa, Japan, Akihisa SHIMOMURA of Isehara, Kanagawa, Japan and Koji DAIRIKI of Atsugi, Kanagawa, Japan hereby assign to Semiconductor Energy Laboratory Co., Ltd., a Japanese corporation having a place of business at:

398, Hase, Atsugi-shi, Kanagawa-ken, 243-0036 Japan

and its successors and assigns (collectively hereinafter called "the Assignee"), the entire right, title and interest throughout the world in the inventions and improvements which are subject of an application for United States Patent signed by us this day, entitled METHOD OF MANUFACTURING PHOTOELECTRIC CONVERSION DEVICE, filed November 26, 2008, and assigned U.S. Serial Number 12/324,065, and we authorize and request the attorneys appointed in said application to hereafter complete this assignment by inserting above the filing date and serial number of said application when known; this assignment including said application, any and all United States and foreign patents, utility models, and design registrations granted for any of said inventions or improvements, and the right to claim priority based on the filing date of said application under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, and all other treaties of like purposes; and we authorize the Assignee to apply in all countries in our name or in its own name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; and we agree for ourselves and our respective heirs, legal representatives and assigns, without further compensation to perform such lawful acts and to sign such further applications, assignments, Preliminary Statements and other lawful documents as the Assignee may reasonably request to effectuate fully this assignment.

Signature Fumito ISAKA
Name: Fumito ISAKA
Date: 11/13/2008

Signature Sho KATO
Name: Sho KATO
Date: 11/13/2008

Signature Kosei NEI
Name: Kosei NEI
Date: 11 / 13 / 2008

Signature Ryu Komatsu
Name: Ryu KOMATSU
Date: 11 / 13 / 2008

Signature Akihisa SHIMOMURA
Name: Akihisa SHIMOMURA
Date: 11 / 13 / 2008

Signature Koji Dairiki
Name: Koji DAIRIKI
Date: 11 / 13 / 2008