

PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT										
NATURE OF CONVEYANCE:	Corrective Assignment to correct the The Assignor name needs to be corrected. previously recorded on Reel 028161 Frame 0270. Assignor(s) hereby confirms the change "KOEI TOYOTAKA" to "KOUHEI TOYOTAKA".										
CONVEYING PARTY DATA											
<table border="1"> <tr> <th>Name</th> <th>Execution Date</th> </tr> <tr> <td>Kouhei Toyotaka</td> <td>04/10/2012</td> </tr> </table>		Name	Execution Date	Kouhei Toyotaka	04/10/2012						
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Kouhei Toyotaka	04/10/2012										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Semiconductor Energy Laboratory Co., Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>398, Hase</td> </tr> <tr> <td>City:</td> <td>Atsugi-shi, Kanagawa-ken</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>243-0036</td> </tr> </table>		Name:	Semiconductor Energy Laboratory Co., Ltd.	Street Address:	398, Hase	City:	Atsugi-shi, Kanagawa-ken	State/Country:	JAPAN	Postal Code:	243-0036
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PROPERTY NUMBERS Total: 1											
<table border="1"> <tr> <th>Property Type</th> <th>Number</th> </tr> <tr> <td>Application Number:</td> <td>13453092</td> </tr> </table>		Property Type	Number	Application Number:	13453092						
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Application Number:	13453092										
CORRESPONDENCE DATA											
<p>Fax Number: 8777697945</p> <p>Phone: (202) 783-5070</p> <p>Email: apsi@fr.com</p> <p><i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i></p> <p>Correspondent Name: John F. Hayden</p> <p>Address Line 1: FISH & RICHARDSON P.C.</p> <p>Address Line 2: P.O.BOX 1022</p> <p>Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022</p>											
ATTORNEY DOCKET NUMBER:	12732-1040001										
NAME OF SUBMITTER:	April K. Saunders-Fuller										
<p>Total Attachments: 4</p> <p>source=12732-1040001-CORRECT#page1.tif</p> <p>source=12732-1040001-CORRECT#page2.tif</p> <p>source=12732-1040001-CORRECT#page3.tif</p> <p>source=12732-1040001-CORRECT#page4.tif</p>											

CH \$40.00 13453092

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Sent: Monday, May 07, 2012 11:01 AM
To: APS Incoming
Subject: Assignment Notice of Recordation (WUID: 501911357)
Attachments: Notice.pdf; CoverSheet.tif

Please find attached the Notice of Recordation and the corresponding TIFF image of the first page of the coversheet submitted to the Assignment Recordation Branch.

WUID: 501911357
DOCKET NUMBER: 12732-1040001
FIRST ASSIGNEE: Semiconductor Energy Laboratory Co., Ltd.
SOURCE: PTAS

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UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

MAY 7, 2012

PTAS

JOHN F. HAYDEN
FISH & RICHARDSON P.C.
P.O. BOX 1022
MINNEAPOLIS, MN 55440-1022

501911357

* Corrected *

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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RECORDATION DATE: 05/04/2012

REEL/FRAME: 028161/0270
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

DOCKET NUMBER: 12732-1040001

ASSIGNOR:

TOYOTAKA, KOHEI - KOUHEI

DOC DATE: 04/10/2012

ASSIGNEE:

SEMICONDUCTOR ENERGY LABORATORY CO.,
LTD.
398, HASE
ATSUGI-SHI, KANAGAWA-KEN, JAPAN
243-0036

APPLICATION NUMBER: 13453092

FILING DATE: 04/23/2012

PATENT NUMBER:

ISSUE DATE:

TITLE: SEMICONDUCTOR CIRCUIT

ASSIGNMENT RECORDATION BRANCH
PUBLIC RECORDS DIVISION

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Kohei Toyotaka - Kouhei Toyotaka	04/10/2012
RECEIVING PARTY DATA	
Name:	Semiconductor Energy Laboratory Co., Ltd.
Street Address:	398, Hase
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PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13453092
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
Phone:	(202) 783-5070
Email:	apsi@fr.com
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Correspondent Name:	John F. Hayden
Address Line 1:	FISH & RICHARDSON P.C.
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Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	12732-1040001
NAME OF SUBMITTER:	April K. Saunders-Fuller
Total Attachments: 1 source=12732-1040001-ASN#page1.tif	

CH \$40.00 13453092

ASSIGNMENT

For valuable consideration, I, Kouhei TOYOTAKA 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 me this day, entitled SEMICONDUCTOR CIRCUIT, filed April 23, 2012, and assigned U.S. Serial Number 13/453,092, and I authorize and request the Assignee or 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 I authorize the Assignee to apply in all countries in my 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 I agree for myself and my 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 Kouhei Toyotaka
Name: Kouhei TOYOTAKA
Date: 08/10/2012