#### 02/17/2017 504234693

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
JUNICHI KOEZUKA	09/30/2013
YUKINORI SHIMA	09/30/2013
HAJIME TOKUNAGA	10/03/2013
TOSHINARI SASAKI	10/15/2013
KEISUKE MURAYAMA	10/02/2013
DAISUKE MATSUBAYASHI	10/10/2013

#### **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**

Property Type	Number
Application Number:	15389846

### **CORRESPONDENCE DATA**

Fax Number: (877)769-7945

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

Phone: (202) 783-5070 APSI@fr.com Email: JOHN F. HAYDEN **Correspondent Name:** 

FISH & RICHARDSON P.C. Address Line 1:

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Address Line 4: MINNEAPOLIS, MINNESOTA 55440-1022

ATTORNEY DOCKET NUMBER:	12732-1255002
NAME OF SUBMITTER:	JANELLE A. JACKSON
SIGNATURE:	/Janelle A. Jackson/
DATE SIGNED:	02/17/2017

# **Total Attachments: 6** source=12732-1255002 Assignment#page1.tif source=12732-1255002 Assignment#page2.tif source=12732-1255002 Assignment#page3.tif

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# **ASSIGNMENT**

For valuable consideration, We, <u>Junichi KOEZUKA of Tochigi</u>, <u>Tochigi</u>, <u>Japan</u>, <u>Yukinori</u> SHIMA of Tatebayashi, Gunma, Japan, Hajime TOKUNAGA of Gureisuwadamachi505, 3-9-6, Hoshikawa, Hodogaya-ku, Yokohama-shi, Kanagawa-ken, 240-0006, Japan, Toshinari SASAKI of C/O Tomita, 5-8-15-405, Kitashinagawa, Shinagawa-ku, Tokyo-to, 141-0001, Japan, Keisuke MURAYAMA of GurankasaII103, 7-3-46, Kagawa, Chigasaki-shi, Kanagawa-ken, 253-0082, Japan and Daisuke MATSUBAYASHI 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 Assignce"), 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 SEMICONDUCTOR DEVICE AND METHOD FOR
MANUFACTURING THE SAME, filed October 24, 2013 , and assigned U.S. Serial
Number 14/062,481, 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	Junichi KOEZVFA
Name:	Junichí KOEZUKA
Date:	09/30/2013
Signature	Yn feinori Strina
Name:	Yukinori SHIMA
Date:	09/30/2013

Signature	
Name:	Hajime TOKUNAGA
Date:	
Signature	
Name:	Toshinari SASAKI
Date:	
Signature	Keisuke Murayama
Name:	Keisuke MURAYAMA
Date:	10/02/2013
	, , , , , ,
Signature	Drisuke Matoubayashi
Name:	Daisuke MATSUBAYASHI
Date:	10/10/2013

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effectuate ful	lly this assignment.
Signature	
Name: J	Punichi KOEZUKA
Date:	
Signature	
Name:	Yukinori SHIMA

Date:

Attorney Docket No. 12732-1255002 Client Ref. US17817-C1 Page 4 of 6

Signature	Jajime Vokunaga
Name:	Hajime TOKUNAGA
Date:	10/03/2013
Signature	
Name:	Toshinari SASAKI
Date:	
Signature	
Name:	Keisuke MURAYAMA
Date:	
Signature	
Name:	Daisuke MATSUBAYASHI
Date:	

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effectuate fully this assignment.

Signature	
Name:	Junichi KOEZUKA
Date:	
Signature	
Name:	Yukinori SHIMA
Date:	

Attorney Docket No. 12732-1255002 Client Ref. US17817-C1 Page 6 of 6

Signature	
Name:	Hajime TOKUNAGA
Date:	
Signature	Todinari Sasafoi
Name:	Toshinari SASAKI
Date:	(0/rc/2013
Signature	
Name:	Keisuke MURAYAMA
Date:	
Signature	
Name:	Daisuke MATSUBAYASHI
Date:	

**RECORDED: 02/17/2017**