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## PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date	
SHUNPEI YAMAZAKI	09/29/2014	
SHUHEI NAGATSUKA	09/30/2014	
TATSUYA ONUKI	09/30/2014	
YUTAKA SHIONOIRI	09/30/2014	
KIYOSHI KATO	09/30/2014	
HIDEKAZU MIYAIRI	09/29/2014	

#### **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:	14515993

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	12732-1361001
NAME OF SUBMITTER:	APRIL K. SAUNDERS-FULLER
SIGNATURE:	/April K. Saunders-Fuller/
DATE SIGNED:	10/16/2014

**Total Attachments: 4** 

**REEL: 033965 FRAME: 0732** 503022088

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# **ASSIGNMENT**

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Shuhei NAGATSUKA of Atsugi, Kanagawa, Japan, Tatsuya ONUKI of Ebina, Kanagawa, Japan, Yutaka SHIONOIRI of Isehara, Kanagawa, Japan, Kiyoshi KATO of Atsugi, Kanagawa, Japan and Hidekazu MIYAIRI of Hadano, 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

Signature	Slepe Zangelie
Name:	ShunpeiXAMAZAKI
Date:	09/29/20/4
Signature	
Name:	Shuhei NAGATSUKA
Date:	

Signature		
Name:	Tatsuya ONUKI	
Date:		
Signature	:	
Name:	Yutaka SHIONOIRI	
Date:		
Signature	:	
Name:	Kiyoshi KATO	
Date:		
Signature		
Name:	Hidekazu MIYAIRI	
Date:		

## **ASSIGNMENT**

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Shuhei NAGATSUKA of Atsugi, Kanagawa, Japan, Tatsuya ONUKI of Ebina, Kanagawa, Japan, Yutaka SHIONOIRI of Isehara, Kanagawa, Japan, Kiyoshi KATO of Atsugi, Kanagawa, Japan and Hidekazu MIYAIRI of Hadano, 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 <u>SEMICONDUCTOR DEVICE</u> ,
filed 10/16/2014 , and assigned U.S. Serial Number 14/515,993 , 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
Name: Shunpei YAMAZAKI
Date:
Signature Shuhe; NAGATSUKA
Name: Shuhei NAGATSUKA
Date: 09/30/2014

Attorney Decket No. 12732-1361001 Client Reference No. US19531/19532/19533

Tatsaya Onut; Signature: Name: Tatsuya ONUKI 09/30/2014 Date: Yutaka SHIONOIRI Signature: Yutaka SHIONOIRI Name: Date: Signature: Name: Kiyoshi KATO Date: Hidelazy MIYAIRI Signature Hidekazu MIYAIRI Name: Date: 09/29/2014

**RECORDED: 10/16/2014**