#### 10/02/2017 504574719

# PATENT ASSIGNMENT COVER SHEET

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NATURE OF CONVEYANCE:	ASSIGNMENT

### **CONVEYING PARTY DATA**

Name	Execution Date
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AKIHISA SHIMOMURA	12/09/2014
YASUMASA YAMANE	12/04/2014
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TETSUHIRO TANAKA	12/04/2014
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RYO TOKUMARU	12/04/2014
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SATOSHI TORIUMI	12/04/2014
TAKASHI OHTSUKI	12/04/2014
TOSHIYA ENDO	12/04/2014

### **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:	15664106

### **CORRESPONDENCE DATA**

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REEL: 043751 FRAME: 0109 504574719

PATENT -

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NAME OF SUBMITTER:	JANELLE A. JACKSON	
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DATE SIGNED:	10/02/2017	

**Total Attachments: 3** 

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> PATENT REEL: 043751 FRAME: 0110

## ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Akihisa SHIMOMURA of Atsugi, Kanagawa, Japan, Yasumasa YAMANE of Atsugi, Kanagawa, Japan, Yuhei SATO of Atsugi, Kanagawa, Japan, Tetsuhiro TANAKA of Atsugi, Kanagawa, Japan, Masashi TSUBUKU of Atsugi, Kanagawa, Japan, Toshihiko TAKEUCHI of Atsugi, Kanagawa, Japan, Ryo TOKUMARU of Isehara, Kanagawa, Japan, Mitsuhiro ICHIJO of Zama, Kanagawa, Japan, Satoshi TORIUMI of Ebina, Kanagawa, Japan, Takashi OHTSUKI of Hadano, Kanagawa, Japan and Toshiya ENDO 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 <u>SEMICONDUCTOR DEVICE</u>, filed \_\_\_ December 18, 2014 \_\_\_\_\_, and assigned U.S. Serial , and we authorize and request the attorneys appointed in said application Number 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	Slugen Jangshe
Name:	Shunpei AMAZAK
Date:	12/08/2014
Signature	Arihisa SHIMOMURA
Name:	Akihisa SHIMOMURA
Date:	12/09/2014

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PATENT REEL: 043751 FRAME: 0112

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Signature Toshiya ENDO

Name: Toshiya ENDO

Date: /2/04/2014

**RECORDED: 10/02/2017** 

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