#### 10/03/2017 504578301

# PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

#### **CONVEYING PARTY DATA**

Name	Execution Date
SHUNPEI YAMAZAKI	10/05/2010
MASASHI TSUBUKU	10/06/2010
KOSEI NODA	10/06/2010
KOUHEI TOYOTAKA	10/06/2010
KAZUNORI WATANABE	10/06/2010
HIKARU HARADA	10/06/2010

#### **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:	15671199

### **CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	12732-0722005
NAME OF SUBMITTER:	JANELLE A. JACKSON
SIGNATURE:	/Janelle A. Jackson/
DATE SIGNED:	10/03/2017

**PATENT** REEL: 043771 FRAME: 0460 504578301

# **Total Attachments: 2**

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PATENT REEL: 043771 FRAME: 0461

### **ASSIGNMENT**

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Masashi TSUBUKU of Atsugi, Kanagawa, Japan, Kosei NODA of Atsugi, Kanagawa, Japan, Kouhei TOYOTAKA of Atsugi, Kanagawa, Japan, Kazunori WATANABE of Atsugi, Kanagawa, Japan and Hikaru HARADA of Isehara, 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 Patent signed by us this day, entitled SEMICONDUCTOR DEVICE, United States 10/19/2010 , and assigned U.S. Serial Number \_ 12/907,722 , and we filed 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	Slupe Grangsh
Name:	Shunpei YAMAZAKI
Date:	10/05/2010
Signature	Masashi Tsubuku
Name:	Masashi TSUBUKU
Date:	10/0/1/2010

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Signature Name: Kosei NODA 10/06 20/0 Date: Kouhe, Toyotaka Signature Kouhei TOYOTAKA Name: 20/0 Date: Signature Name: Kazunori WATANABE Date: Signature Name: Hikaru HARADA 2010 Date:

**RECORDED: 10/03/2017** 

PATENT REEL: 043771 FRAME: 0463