

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SHUNPEI YAMAZAKI	10/01/2010
JUN KOYAMA	09/28/2010
HIROYUKI MIYAKE	09/28/2010
KEI TAKAHASHI	09/28/2010
KOUHEI TOYOTAKA	09/28/2010
MASASHI TSUBUKU	09/28/2010
KOSEI NODA	09/28/2010
HIDEAKI KUWABARA	09/28/2010
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:	15372493
CORRESPONDENCE DATA	
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NAME OF SUBMITTER:	JANELLE A. JACKSON
SIGNATURE:	/Janelle A. Jackson/

PATENT

DATE SIGNED:	02/02/2017
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Total Attachments: 2
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ASSIGNMENT

For valuable consideration, We, Shunpei YAMAZAKI of Setagaya, Tokyo, Japan, Jun KOYAMA of Sagami-hara, Kanagawa, Japan, Hiroyuki MIYAKE of Atsugi, Kanagawa, Japan, Kei TAKAHASHI of Isehara, Kanagawa, Japan, Kouhei TOYOTAKA of Atsugi, Kanagawa, Japan, Masashi TSUBUKU of Atsugi, Kanagawa, Japan, Kosei NODA of Atsugi, Kanagawa, Japan and Hideaki KUWABARA 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 United States Patent signed by us this day, entitled SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF, filed October 14, 2010, and assigned U.S. Serial Number 12/904,565, 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: 10/01/2010

Signature 
Name: Jun KOYAMA
Date: 09/28/2010

Signature Hiroyuki MIYAKE
Name: Hiroyuki MIYAKE
Date: 09/28/2010

Signature Kei Takahashi
Name: Kei TAKAHASHI
Date: 09/28/2010

Signature Kouhei Toyotaka
Name: Kouhei TOYOTAKA
Date: 09/28/2010

Signature Masashi Tsubuku
Name: Masashi TSUBUKU
Date: 09/28/2010

Signature Kosei Noda
Name: Kosei NODA
Date: 09/28/2010

Signature Hideaki Kuwabara
Name: Hideaki KUWABARA
Date: 09/28/2010