

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
DAISUKE MATSUBAYASHI	01/13/2015
YOSHIYUKI KOBAYASHI	01/13/2015
SHUHEI NAGATSUKA	01/13/2015
YUTAKA SHIONOIRI	01/13/2015
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:	14603632
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	12732-1414001
NAME OF SUBMITTER:	JANELLE A. JACKSON
SIGNATURE:	/Janelle A. Jackson/
DATE SIGNED:	01/30/2015
Total Attachments: 4	
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ASSIGNMENT

For valuable consideration. We, Daisuke MATSUBAYASHI of Ebina, Kanagawa, Japan,
Yoshiyuki KOBAYASHI of Atsugi, Kanagawa, Japan, Shuhei NAGATSUKA of Atsugi, Kanagawa, Japan
and Yutaka SHIONOIRI 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, filed January 23, 2015, and assigned U.S. Serial Number 14/603,632, 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 Daisuke Matsubayashi
Name: Daisuke MATSUBAYASHI
Date: 01/13/2015

Signature _____
Name: Yoshiyuki KOBAYASHI
Date: _____

Signature: _____
Name: Shuhei NAGATSUKA
Date: _____

Signature: _____
Name: Yutaka SHIONOIRI
Date: _____

ASSIGNMENT

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Yoshiyuki KOBAYASHI of Atsugi, Kanagawa, Japan, Shuhei NAGATSUKA of Atsugi, Kanagawa, Japan
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Signature _____
Name: Daisuke MATSUBAYASHI
Date: _____

Signature Yoshiyuki Kobayashi
Name: Yoshiyuki KOBAYASHI
Date: 01/13/2015

Signature: Shuhei NAGATSUKA
Name: Shuhei NAGATSUKA
Date: 01 / 13 / 2015

Signature: Yutaka SHIONOIRI
Name: Yutaka SHIONOIRI
Date: 01 / 13 / 2015