

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Satoshi Toriumi	09/29/2015
Yoshikazu HIURA	09/30/2015
Mai Sugikawa	09/29/2015
RECEIVING PARTY DATA	
Name:	SEMICONDUCTOR ENERGY LABORATORY CO., LTD.
Street Address:	398, HASE, ATSUGI-SHI
City:	KANAGAWA-KEN
State/Country:	JAPAN
Postal Code:	243-0036
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14824268
CORRESPONDENCE DATA	
Fax Number:	(877)769-7945
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	(202) 783-5070
Email:	apsi@fr.com
Correspondent Name:	DAVID B. HARDY
Address Line 1:	FISH & RICHARDSON P.C.
Address Line 2:	P.O.BOX 1022
Address Line 4:	MINNEAPOLIS, MINNESOTA 55440-1022
ATTORNEY DOCKET NUMBER:	12732-1562001
NAME OF SUBMITTER:	KRISTI A. HOLMLUND
SIGNATURE:	/Kristi A. Holmlund/
DATE SIGNED:	10/19/2015
Total Attachments: 1	
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ASSIGNMENT

For valuable consideration, We, Satoshi TORIUMI of Ebina, Kanagawa, Japan, Yoshikazu HIURA of Atsugi, Kanagawa, Japan and Mai SUGIKAWA 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, MANUFACTURING METHOD THEREOF, AND ELECTRONIC DEVICE, filed August 12, 2015, and assigned U.S. Serial Number 14/824,268, 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 Satoshi TORIUMI
Name: Satoshi TORIUMI
Date: 09/29/2015

Signature Yoshikazu HIURA
Name: Yoshikazu HIURA
Date: 09/30/2015

Signature Mai SUGIKAWA
Name: Mai SUGIKAWA
Date: 09/29/2015