PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kiyoshi Kato	03/28/2014
Takuro Ohmaru	03/31/2014
Yasuyuki Takahashi	04/06/2014

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:	14223071

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER: 12732-1299001

NAME OF SUBMITTER: APRIL K. SAUNDERS-FULLER

SIGNATURE: /April K. Saunders-Fuller/

DATE SIGNED: 04/09/2014

Total Attachments: 2

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PATENT 502760291 REEL: 032635 FRAME: 0643

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ASSIGNMENT

For valuable consideration, We, <u>Kiyoshi KATO of Atsugi, Kanagawa, Japan, Takuro OHMARU of Isehara, Kanagawa, Japan and Yasuyuki TAKAHASHI of 2-2-8, Furukawanakazato, Ohsaki-shi, Miyagi-ken, 989-6143, Japan hereby assign to <u>Semiconductor Energy Laboratory Co., Ltd.</u>, a <u>Japanese corporation having a place of business at:</u></u>

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 March 24, 2014, and assigned U.S. Serial Number 14/223,071, 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	Kijosli Kats
Name:	Kiyoshi KATO
Date:	03/28/2014
Signature Name: Date:	Jakera Ohnom Takuro OHMARU 03/31/2014
Signature	
Name:	Yasuyuki TAKAHASHI
Date	

PATENT REEL: 032635 FRAME: 0644

Attorney Docket No. 12732-1299001 Client Reference No. US18501 Page 2 of 2

<u>ASSIGNMENT</u>

For valuable consideration, We, <u>Kiyoshi KATO of Atsugi, Kanagawa, Japan, Takuro OHMARU of Isehara, Kanagawa, Japan and Yasuyuki TAKAHASHI of 2-2-8, Furukawanakazato, Ohsaki-shi, Miyagi-ken, 989-6143, Japan hereby assign to <u>Semiconductor Energy Laboratory Co., Ltd.</u>, a <u>Japanese corporation having a place of business at:</u></u>

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Signature	
Name:	Kiyoshi KATO
Date:	
Signature	
Name:	Takuro OHMARU
Date:	
Signature	Yasuyuki TAKAHASHI
Name:	Yasuyuki TAKAHASHI
Date	04/06/2014

PATENT REEL: 032635 FRAME: 0645

RECORDED: 04/09/2014