505063795 08/27/2018

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Masahiro Katayama	02/27/2015
Yasutaka Nakazawa	02/27/2015
Masatoshi Yokoyama	02/27/2015
Masahiko Hayakawa	02/27/2015
Kenichi Okazaki	02/27/2015
Shunsuke Koshioka	02/27/2015

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:	16110488

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NAME OF SUBMITTER:	SHARON M. ALLEN
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DATE SIGNED:	08/27/2018

PATENT 505063795 REEL: 046705 FRAME: 0929

Total Attachments: 2

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PATENT REEL: 046705 FRAME: 0930

ASSIGNMENT

For valuable consideration. We. <u>Masahiro KATAYAMA of Tochigi, Tochigi, Japan, Yasutaka NAKAZAWA of Tochigi, Tochigi, Japan, Masatoshi YOKOYAMA of Tochigi, Tochigi, Japan, Masahiko HAYAKAWA of Tochigi, Tochigi, Japan, Kenichi OKAZAKI of Tochigi, Tochigi, Japan and Shunsuke KOSHIOKA of Tochigi, Tochigi, Japan hereby assign to <u>Semiconductor Energy Laboratory Co., Ltd.</u>, a <u>Japanese</u> corporation having a place of business at:</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 <u>SEMICONDUCTOR</u> DEVICE, DISPLAY DEVICE INCLUDING SEMICONDUCTOR DEVICE, DISPLAY MODULE INCLUDING DISPLAY DEVICE, AND ELECTRONIC DEVICE INCLUDING SEMICONDUCTOR DEVICE, DISPLAY DEVICE, AND DISPLAY MODULE, filed March 17, 2015 ______, and assigned U.S. Serial Number 14/659, 792 ... 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	Masanino KATAYAMA
Name:	Masahiro KATAYAMA
Date:	02/27/2015
Signature	Yasutaka NAKAZAWA
Name:	Yasutaka NAKAZAWA
Date:	02/27 / 2015

PATENT REEL: 046705 FRAME: 0931

Attorney Docket No. 12732-1461001 Client Reference No. US20300

masatoshi yokoyama Signature Masatoshi YOKOYAMA Name: 02/27/2015 Date: Marahiko Hayakawa Signature Name: Masahiko HAYAKAWA 02/27/20/5 Date: Signature Name: Kenichi OKAZAKI 02/27/20/5 Date: Shunsuke KOSMIOKA Signature Name: Shunsuke KOSHIOKA 02/27/2015 Date:

RECORDED: 08/27/2018

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