504272761 03/15/2017

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
SHINPEI MATSUDA	03/08/2017
MASAYUKI SAKAKURA	03/05/2017
YUKI HATA	03/08/2017
SHUHEI NAGATSUKA	03/08/2017
YUTA ENDO	03/09/2017
SHUNPEI YAMAZAKI	03/06/2017

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:	15430746

CORRESPONDENCE DATA

Fax Number: (703)766-2394

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.

Phone: (571) 434-6789

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Correspondent Name: ERIC J. ROBINSON

Address Line 1: ROBINSON IP LAW OFFICE, P.C.

Address Line 2: 3975 FAIR RIDGE DRIVE, SUITE 20 NORTH

Address Line 4: FAIRFAX, VIRGINIA 22033

ATTORNEY DOCKET NUMBER: 0756-11305

NAME OF SUBMITTER: ERIC J. ROBINSON

SIGNATURE: /Eric J. Robinson/

DATE SIGNED: 03/15/2017

PATENT 504272761 REEL: 041581 FRAME: 0312

Total Attachments: 9 source=Assignments#page1.tif source=Assignments#page3.tif source=Assignments#page4.tif source=Assignments#page5.tif source=Assignments#page6.tif source=Assignments#page7.tif source=Assignments#page8.tif source=Assignments#page8.tif

ASSIGNMENT

Serial No. 15/430,746

Filed February 13, 2017

WHEREAS, Shinpei MATSUDA, Masayuki SAKAKURA, Yuki HATA, Shuhei NAGATSUKA, Yuta ENDO and Shunpei YAMAZAKI

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in <u>SEMICONDUCTOR DEVICE AND ELECTRONIC DEVICE</u> for which an application for Letters Patent of the United States of America has been executed by the undersigned on , and;

WHEREAS, Semiconductor Energy Laboratory Co., Ltd. of 398, Hase, Atsugi-shi, Kanagawa-ken, 243-0036 Japan and its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents do sell, assign and transfer unto said Assignee the full and exclusive right to the said invention in the United States of America and its territories and for all foreign countries, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America and its territories, dependencies and possessions, and in and to any and all divisions, reissues, continuations and extensions thereof for the full term or terms for which the same may be granted.

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuation, division or reissue thereof or Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims under or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from

said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby convenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of ROBINSON INTELLECTUAL PROPERTY LAW OFFICE the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

In witness thereof, this Assignment has been executed by the undersigned on the date(s) opposite the undersigned name(s).

Date_03/65/2017	Signature Shinpei Massuda
	Name Shinpei MATSUDA
Date	Signature
	Name Masayuri SARAKURA
Date_03/08/2019	Signature Yuki Haja Name Yuki HATA
	Name Yuki HATA
Date_03/08 /2017	Signature Shahei NAGATSV6A
	Name Shuhei NAGATSUKA
Date 03/09/20/7	Signature Juta-Endo
	Name Yuta ENDO
Date	Signature
	Name Shunpei YAMAZAKI

This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed has (have) invented certain new and useful improvements in by at least two other persons who should sign here.

Witness	Signature
Witness	Signature
Witness	Signature

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Serial No. 15/430,746

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Date	Signature
	Signature Name Shinpei MATSUDA
Date 03/05/2017	Signature Masayuki Vakakura Name Masayuki SAKAKURA
	Name Masayuki ŠAKAKURA
Date	Signature
	Name Yuki HATA
Dinto	Signature
Date	Name Shuhei NAGATSUKA
Date	Signature
	Name Yuta ENDO
m	C:
Date	Signature Name Shunnei YAMAZAKI
	Name Shundel YAMAZAKI

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Date	Signatu	Signature	
	Name	reShinpei MATSUDA	
Date	Signatu	re	
***************************************	Name	re Masayuki SAKAKURA	
Date	Signatu	re	
	Name	Yuki HATA	
Date	Signatu	re	
	Name	Shuhei NAGATSUKA	
Date	Signatu	TC	
	Name	Yuta ENDO	
Date 03/06/2019	Signatur	re <u>fluri</u> Janyahi Shunpei YAMAZAKI	
£-7563-W	Name	Shunnei YAMAZAKI	

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PATENT REEL: 041581 FRAME: 0322

RECORDED: 03/15/2017