

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT6525637

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
YUSUKE NONAKA	08/21/2020
NORITAKA ISHIHARA	05/01/2018
TOMOKI HIRAMATSU	08/20/2020
RYUNOSUKE HONDA	08/27/2020
TOMOYO KAMOGAWA	08/16/2020
RYOTA HODO	09/01/2020
KATSUAKI TOCHIBAYASHI	09/11/2020
SHUNPEI YAMAZAKI	08/28/2020
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:	16961976
CORRESPONDENCE DATA	
Fax Number:	(703)766-2394
<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:	(571) 434-6789
Email:	uspto@riplo.com
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:	0756-11978
NAME OF SUBMITTER:	ERIC J. ROBINSON
SIGNATURE:	/Eric J. Robinson/

PATENT

DATE SIGNED:	02/01/2021
Total Attachments: 9 source=Assignment#page1.tif source=Assignment#page2.tif source=Assignment#page3.tif source=Assignment#page4.tif source=Assignment#page5.tif source=Assignment#page6.tif source=Assignment#page7.tif source=Assignment#page8.tif source=Assignment#page9.tif	

ASSIGNMENT

Serial No. 16/961,976

Filed July 14, 2020

WHEREAS, Yusuke NONAKA, Noritaka ISHIHARA, Tomoki HIRAMATSU, Ryunosuke HONDA, Tomoyo KAMOGAWA, Ryota HODO, Katsuaki TOCHIBAYASHI and Shunpei YAMAZAKI

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in SEMICONDUCTOR DEVICE 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 covenants 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 _____ Signature _____
Name Yusuke NONAKA

Date _____ Signature _____
Name Noritaka ISHIHARA


Date 08/20/2020 Signature Tomoki HIRAMATSU
Name Tomoki HIRAMATSU

Date _____ Signature _____
Name Ryunosuke HONDA

Date 08/16/2020 Signature Tomoyo KAMOGAWA
Name Tomoyo KAMOGAWA

Date 09/01/2020 Signature Ryota Hodo
Name Ryota HODO

Date _____ Signature _____
Name Katsuaki TOCHIBAYASHI

Date 08/28/2020 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 _____

ASSIGNMENT

Serial No. 16/961,976

Filed July 14, 2020

WHEREAS, Yusuke NONAKA, Noritaka ISHIHARA, Tomoki HIRAMATSU, Ryunosuke HONDA, Tomoyo KAMOGAWA, Ryota HODO, Katsuaki TOCHIBAYASHI and Shunpei YAMAZAKI

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in SEMICONDUCTOR DEVICE 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 covenants 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 08/24/2020 Signature Yusuke Nonaka
Name Yusuke NONAKA

Date _____ Signature _____
Name Noritaka ISHIHARA

Date _____ Signature _____
Name Tomoki HIRAMATSU

Date 08/27/2020 Signature Ryunosuke Honda
Name Ryunosuke HONDA

Date _____ Signature _____
Name Tomoyo KAMOGAWA

Date _____ Signature _____
Name Ryota HODO

Date 09/14/2020 Signature Katsuaki TOCHIBAYASHI
Name Katsuaki TOCHIBAYASHI

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_____

Attorney Docket No. _____

ASSIGNMENT

Serial No. _____

Filed _____

WHEREAS, Yusuke NONAKA , Noritaka ISHIHARA , Tomoki HIRAMATSU , Ryunosuke HONDA , Tomoyo KAMOGAWA , Ryota HODO , Katsuaki TOCHIBAYASHI and Shunpei YAMAZAKI (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in SEMICONDUCTOR DEVICE 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 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 therefore 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 covenants 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 Assignee or any agent of the Assignee 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 _____	Signature _____
	Name <u>Yusuke NONAKA</u>
Date <u>05/01/2018</u>	Signature <u>Noritaka ISHIHARA</u>
	Name <u>Noritaka ISHIHARA</u>
Date _____	Signature _____
	Name <u>Tomoki HIRAMATSU</u>
Date _____	Signature _____
	Name <u>Ryunosuke HONDA</u>
Date _____	Signature _____
	Name <u>Tomoyo KAMOGAWA</u>
Date _____	Signature _____
	Name <u>Ryota HODO</u>
Date _____	Signature _____
	Name <u>Katsuaki TOCHIBAYASHI</u>
Date _____	Signature _____
	Name <u>Shunpei YAMAZAKI</u>

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 by at least two other persons who should sign here.

Witness _____	Signature _____
Witness _____	Signature _____

Witness_____

Signature_____