506428843 12/31/2020

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE: NEW ASSIGNMENT

EPAS ID: PAT6475610

CONVEYING PARTY DATA

NATURE OF CONVEYANCE:

Name	Execution Date
RAI SATO	12/06/2020
MASAMI JINTYOU	12/07/2020
MASAYOSHI DOBASHI	12/04/2020
TAKASHI SHIRAISHI	12/04/2020

ASSIGNMENT

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:	17257364

CORRESPONDENCE DATA

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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.

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Correspondent Name: ERIC J. ROBINSON

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

Address Line 4: FAIRFAX, VIRGINIA 22033

ATTORNEY DOCKET NUMBER: 0756-12062

NAME OF SUBMITTER: ERIC J. ROBINSON

SIGNATURE: /Eric J. Robinson/

DATE SIGNED: 12/31/2020

Total Attachments: 2

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PATENT 506428843 REEL: 054783 FRAME: 0939

ASSIGNMENT

Serial No. 17/257,364

Filed December 31, 2020

WHEREAS, <u>Rai SATO</u>, <u>Masami JINTYOU</u>, <u>Masayoshi DOBASHI</u> and <u>Takashi</u> SHIRAISHI

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

WHEREAS, <u>Semiconductor Energy Laboratory Co.</u>, <u>Ltd.</u> of <u>398</u>, <u>Hase</u>, <u>Atsugi-shi</u>, <u>Kanagawa-ken</u>, <u>243-0036 Japan</u> 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

PATENT REEL: 054783 FRAME: 0940 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 12/04/2020	Signature ADA F	Pai SATO
Date 12 /09/2020	Signature Masami JINTYOU Name Masami JINTYOU	You
Date 12/04/2020	Signature 1551	12/4/2020 M.D Musayoshi DOBASHI
Date 12 / 04/2020	Signature Takashi SHIRAISHI	Takashi SHIRAISHI
Notary Public. If not, then	Id preferably be acknowledged before the execution by the Inventor(s) should seful improvements in by at least two	d be witnessed has (have)

Witness

Witness_____

RECORDED: 12/31/2020

PATENT REEL: 054783 FRAME: 0941

Signature

Signature

Signature