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01-10-2001

PATENT 0756-2211

To the Honorable Commissioner of Patents

Additional name(s) of conveying party(ies) attached? () Yes (X) No 2. Name and address of receiving party(ies): Name: SEMICONDUCTOR ENERGY LABORATORY CO., LTD. Street Address: 398, Hase, Atsuj-shi City: Kanagawa-ken State: Country: Japan ZipPostal Code: 243-0036 Additional name(s) & addresses(es) attached? _ Yes _X_No 3. Name of Conveyance: (X) Assignment () Merger () Security Agreement () Change of Name () Other Assignment Execution Date: November 29, 2000; November 30, 2000, November 29, 2000, November 29, 2000, November 28, 2000 4. Application number(s) or patent number(s): 09/664,359 If this document is being filed together with a new application, the execution date of the application is: _ A: Patent Application No.(s) B. Patent No.(s) Title: SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING THE SAME Additional numbers attached? _ Yes _X No 5. Name and address of party to whom correspondence concerning document should be mailed: NIXON PEABODY LLP 8180 Greensboro Drive, Suite 800 McLean, Vrignina 22102 6. Total number of applications and patents involved: One (1) 7. Total fee (37 C.F.R. § 3.41) of \$40.00 is enclosed. 8. Deposit Account Number: 19-2380 (Attach duplicate copy of this page if paying by deposit account to the best of my knowledge and belief, the foregoing information is true and correct and any attached at true copy of the original document. Providence of pages comprising cover sheet, attachments and document: Date Total number of pages comprising cover sheet, attachments and document: Three (3)	1.	Name of conveying parties: Hideomi S		NO; Hidet	o OHNUMA; Hii	rokazu YAMAGATA
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PATENT REEL: 011404 FRAME: 0951

NIXON PEABODY LLP

United States Patent Rights

Attorney Docket No. 0756-2211

ASSIGNMENT

Serial No. 09/664, 359

Filed September 18,2000

WHEREAS, Hideomi SUZAWA, Koji ONO, Hideto OHNUMA, Hirokazu
YAMAGATA and Shunpei YAMAZAKL (hereinafter designated as the undersigned) has
(have) invented certain new and useful improvements in <u>SEMICONDUCTOR DEVICE AND</u>
METHOD OF FABRICATING THE SAME 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., Ltd.</u> of <u>398, Hase, Atsugi-shi, Kanagawa-ken 243-0036 Japan</u> 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

PATENT REEL: 011404 FRAME: 0952 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 Nixon Peabody LLP 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 $11/29/2000$,	Name of Inventor Hideomi Suzawa (SEAL) Hideomi SUZAWA
Date 11/30/2000,	Name of Inventor <u>koji Uno</u> (SEAL) Koji ONO
	Name of Inventor Hide to Chnuma (SEAL) Hideto OHNUMA
	Name of Inventor Hirokazu YAMAGATA (SEAL)
Date <u>///78/200</u> 0	Name of Inventor Shuppei YAMAZAKI
(This assignment If not, then the execut: sign here.)	should preferably be acknowledged before a United States Consul or Notary Publi ion by the Inventor(s) should be witnessed by at least two other persons who shou
Witness (name)	(signature)

(signature)

(signature)

Witness

Witness

(name)

(name)

RECORDED: 01/04/2001

PATENT REEL: 011404 FRAME: 0953