To the Honorable Commissioner of Patent and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Shunpei YAMAZAKI and Jun KOYAMA
   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, Atsugi-shi
   City: Kanagawa-ken Country: Japan ZIP: 243-0036
   Additional name(s) & addresses(es) attached? _Yes _X_ No

3. Name of Conveyance:
   _X_ Assignment ___ Merger
   ___ Security Agreement ___ Change of Name
   Other
   Execution Date: September 1, 2000 and August 23, 2000

4. Application number(s) or patent number(s): 09/566,722

   If this document is being filed together with a new application, the execution date of the application is: Sept 1 and Aug 23, 2000

   Title: SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF


   Additional numbers attached? _Yes _X_ No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Name: Nixon Peabody LLP
   Street Address: 8180 Greensboro Drive, Suite 800
   City: McLean State: Virginia ZIP: 22102

6. Total number of applications and patents involved: _1_

7. Total fee (37 CFR 3.41): _______.$ 40.00
   _XX_ Enclosed
   _XX_ Authorized to be charged to deposit account
   _XX_ Authorized to charge any deficiency in the payment of the required fee(s) or credit any overpayment to Deposit Account No. 19-2380.

8. Deposit Account Number: 19-2380
   (Attach duplicate copy of this page if paying by deposit account)

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   [Signature]

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Jeffrey L. Costella
Name of Person Signing

Total number of pages comprising cover sheet, attachments and document: _3_

PATENT
REEL: 011221 FRAME: 0757
ASSIGNMENT

Serial No. 09/566,722

WHEREAS, Shunpei YAMAZAKI and Jun KOYAMA (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF 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 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 conveys 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) to 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 07/16/2000, Name of Inventor (SEAL)
Shunpei YAMAZAKI

Date 08/23/2000 Name of Inventor (SEAL)
Jun KOYAMA

Date __________ Name of Inventor (SEAL)

Date __________ Name of Inventor (SEAL)

(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 (name) (signature)
Witness (name) (signature)
Witness (name) (signature)

RECORDED: 10/11/2000
REEL: 011221 FRAME: 0759