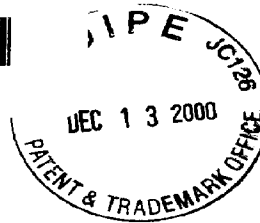


01-04-2001



To the Honorable Commissioner

Please record the attached original documents or copy thereof.

101571693

1. Name of conveying parties: Kenji KASAHARA
Ritsuko KAWASAKI
Hisashi OHTANI
Shunpei YAMAZAKI

MR
12.13.00

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, Kanagawa-ken
State: Country: Japan Zip/Postal 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 2, 2000, November 2, 2000, November 6, 2000, and November 6, 2000, respectively.

4. Application number(s) or patent number(s): 09/640,084

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, MANUFACTURING METHOD THEREFOR, AND ELECTRONIC DEVICE

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, Virginia 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)

DO NOT USE THIS SPACE

9. Statement and 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.

Eric J. Robinson, Reg. No. 38,285

Signature

Date

12/11/00

Total number of pages comprising cover sheet, attachments and document: Three (3)

ASSIGNMENT

Serial No. 09/640,084

Filed August 17, 2000

WHEREAS, Kenji KASAHARA, Ritsuko KAWASAKI, Hisashi OHTANI and Shunpei YAMAZAKI (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in SEMICONDUCTOR DEVICE, MANUFACTURING METHOD THEREOF, AND ELECTRONIC 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 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 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 11/02/2000, Name of Inventor Kenji Kasahara (SEAL)
Kenji KASAHARA

Date 11/02/2000, Name of Inventor Ritsuko Kawasaki (SEAL)
Ritsuko KAWASAKI

Date 11/06/2000, Name of Inventor Hisashi Ohtani (SEAL)
Hisashi OHTANI

Date 11/06/2000, Name of Inventor Shunpei Yamazaki (SEAL)
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 by at least two other persons who should sign here.)

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