

08-14-2001



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PATENTS ONLY

EET U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

ATTORNEY DOCKET: 740819-612

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

1. Name of conveying parties
Yoshihisa NAGANO
Toru NASU
Hajime YASUOKA
Eiji FUJII
Additional name(s) of conveying party(ies) attached? Yes No

08/07/01

2. Name and address of receiving party(ies)
Name: Matsushita Electric Industrial Co., Ltd.
Internal Address: 1006, Oaza Kadoma, Kadoma-shi,
Osaka 571-8501, Japan

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other

Street Address: _____
City: _____ State: _____ Zip: _____

Execution Date: July 31, 2001

Additional name(s) & address(es) attached? Yes No

4. Application number(s) or patent number(s);
If this document is being filed together with a new application, the execution date of the application is: July 31, 2001
A. Patent Application No.(s)

09/922782

B. Patent No.(s)

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Eric J. Robinson
Internal Address: Nixon Peabody LLP

Street Address: 8180 Greensboro Drive,
Suite 800
City: McLean State: VA Zip: 22102

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)\$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number:
19-2380

(Attach duplicate copy of this page if paying by deposit account)

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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
Name of Person Signing

[Signature]
Signature

August 7, 2001
Date

Total number of pages including cover sheet, attachments, and documents: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

08/09/2001 ABDONE1 00000031 09922782
02 FC:581 40.00 DP

10872 U.S. PTO
09/922782
08/07/01

A S S I G N M E N T

WHEREAS, Yoshihisa NAGANO, Toru NASU, Hajime YASUOKA, Eiji FUJII
 (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements
 in SEMICONDUCTOR MEMORY DEVICE AND METHOD FOR FABRICATING THE SAME

_____ for which the undersigned has (have):

- (a) filed an application for Letters Patent of the United States of America on
 _____ having Serial No. _____; or
- (b) executed an application for Letters Patent of the United States of America on the date(s)
 indicated below; and

WHEREAS, Matsushita Electric Industrial Co., Ltd. of
1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, 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 the 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 the application and 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.

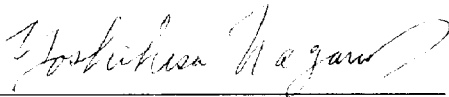
The undersigned agree(s) to execute all papers necessary in connection with any interference
 which may be declared concerning this application or any continuation, division or reissue thereof or
 Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee in every way
 possible in obtaining and producing evidence and proceeding with such interference.

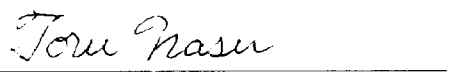
The undersigned agree(s) to execute all papers and documents and to perform any act which
 may be necessary in connection with claims under or provisions of the International Convention for the
 Protection of Industrial Property or similar agreements.

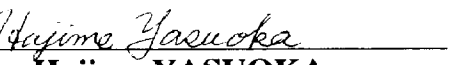
The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent(s) to the Assignee and to vest all rights therein hereby conveyed to the Assignee as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

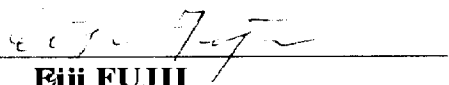
The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents of the United States of America resulting from said application or any division or divisions or continuing or reissue applications thereof to the Assignee, as Assignee of 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.

This Assignment has been executed by the undersigned on the date(s) indicated.

Date: July 31, 2001, 
Yoshihisa NAGANO

Date: July 31, 2001, 
Toru NASU

Date: July 31, 2001, 
Hajime YASUOKA

Date: July 31, 2001, 
Eiji FUJII

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____