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

ATTORNEY DOCKET: 740819-708

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

1. Name of conveying parties:
Yasuhiro SHIMADA
Yoshihisa KATO
Takayoshi YAMADA
12/11/01

Additional name(s) of conveying party(ies) attached? Yes No

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

Execution Date: November 28, 2001

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

Street Address: _____

City: _____ State: _____ Zip: _____

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: November 28, 2001

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes No

10/011489

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)

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
Name of Person Signing

[Signature]
Signature

December 11, 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

12/11/01
10/011489
U.S. Patent Office

12/14/2001 TRECIP/11 00000034 10011489
03 10:58:1 40.00 01

ASSIGNMENT

WHEREAS, Yasuhiro SHIMADA, Yoshihisa KATO, Takayoshi YAMADA
(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements
in SEMICONDUCTOR MEMORY AND METHOD FOR DRIVING 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: Nov. 28, 2001, *Yasuhiro Shimada*
Yasuhiro SHIMADA

Date: Nov. 28, 2001, *Yoshihisa Kato*
Yoshihisa KATO

Date: Nov. 28, 2001, *Takayoshi Yamada*
Takayoshi YAMADA

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____

Date: _____, _____