

06-18-2002

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Attorney's Docket No. 009683-403

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

1. Name of conveying party(ies): 6-10-02
 Hiroki SHIMANO
 Katsumi DOSAKA
 Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other: _____
 Execution Date: May 8, 2002

2. Name and address of receiving party(ies):
 Name: Mitsubishi Denki Kabushiki Kaisha
 Address: 2-3, Marunouchi 2-chome
Chiyoda-ku, Tokyo 100-8310
JAPAN
 Additional name(s) & address(es) attached? Yes No

10/16/02
1595
PTO

4. Application number(s) or patent number(s): 10164651
 If this document is being filed together with a new application, the execution date of the application is: May 8, 2002
 A. Patent Application No.(s)
 B. Patent No.(s)
 Additional numbers attached? Yes No

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, if necessary
 8. Deposit account number:
02-4800

5. Name and address of party to whom correspondence concerning document should be mailed:
 Name: Platon N. Mandros
 Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404
Alexandria, Virginia 22313-1404

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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.
Platon N. Mandros, Reg. No. 22,124 June 10, 2002
 Name of Person Signing Signature Date
 Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

06/12/2002 MBANTE1 00000046 10164651
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ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- | | | |
|---------------------------|-----------|-----------|
| (1) <u>Hiroki SHIMANO</u> | (4) _____ | (7) _____ |
| (2) <u>Katsumi DOSAKA</u> | (5) _____ | (8) _____ |
| (3) _____ | (6) _____ | (9) _____ |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Mitsubishi Denki Kabushiki Kaisha of
2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

SEMICONDUCTOR MEMORY DEVICE

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____; or

(b) for which an application for United States Letters Patent was executed on May 8, 2002,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE:

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS

DATE SIGNED

1) Hiroki Shimano
Name: Hiroki SHIMANO

May 8, 2002

2) Katsumi Dosaka
Name: Katsumi DOSAKA

May 8, 2002

3) _____
Name: _____

4) _____
Name: _____

5) _____
Name: _____

6) _____
Name: _____

7) _____
Name: _____

8) _____
Name: _____

9) _____
Name: _____
