

10/15/03

10-23-2003



102582126
PATENTS ONLY

FORM PTO-1595
(Rev. 10/02)

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

Docket No.: 63979-035

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of Conveying Party(ies):
Kenji TOYODA and Kiyoyuki MORITA

2. Name and address of receiving party(ies):
Name: **MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.**

Address: **1006, Oaza Kadoma,
Kadoma-shi,
Osaka 571-8501 JAPAN**

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

3. Nature of Conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: **October 1, October 1, 2003**

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

4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is: **October 1, October 1, 2003**

A. Patent Application No(s).

B. Patent No(s).

10 684419

Additional numbers attached? ☐ Yes ☐ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: **MCDERMOTT, WILL & EMERY**
Internal Address:

Street Address: **600 13th Street, N.W.**

City: **Washington** State: **D. C.** Zip: **20005-3096**

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41) **\$40.00**

☐ Enclosed
☒ Authorized to be charged to deposit account

8. Deposit account number:
500417

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.

Michael E. Fogarty, 36,139

October 15, 2003

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet: **3**

OMB No. 0651-0027 (exp. 6/30/2005)

10/23/2003 ECDOPER 00000106 500417 10684419

01 FC:8021 40.00 DA

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>TOYODA Kenji</u>	(4) _____
(2) <u>MORITA Kiyoyuki</u>	(5) _____
(3) _____	(6) _____

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

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., of

1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, 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

A NON-VOLATILE MEMORY CIRCUIT, A METHOD FOR DRIVING THE SAME,

AND A SEMICONDUCTOR DEVICE USING THE MEMORY CIRCUIT

(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 _____ October 1, 2003

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) <u>Kenji Toyoda</u> Name: TOYODA Kenji	<u>October 1, 2003</u>
2) <u>Kiyoyuki Morita</u> Name: MORITA Kiyoyuki	<u>October 1, 2003</u>
3) _____ Name: _____	_____
4) _____ Name: _____	_____
5) _____ Name: _____	_____
6) _____ Name: _____	_____