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PATENTS ONLY

FORM PTO-1595 (Rev. 10/02)

RECC

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

Docket No.: 61352-043

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

1. Name of Conveying Party(ies): Takeshi TAKAGI 1-13-04
Additional name(s) of conveying party(ies) attached? Yes No

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) & address(es) attached? Yes No

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: September 8, 2003

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:
A. Patent Application No(s). 10/657,799, filed September 9, 2003
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
8. Deposit account number: 500417

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: MCDERMOTT, WILL & EMERY
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Street Address: 600 13th Street, N.W.
City: Washington State: D. C. Zip: 20005-3096

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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.

Michael E. Fogarty, 36,139

January 13, 2004

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)

01/20/2004 ECDOPER 00000172 500417 10657799
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PATENT REEL: 014887 FRAME: 0556

Docket No.: 61352- 043

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) Takeshi TAKAGI

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

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

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

SEMICONDUCTOR 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 September 8, 2003

and the undersigned hereby authorize and request the United States Commissioner for 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) Takeshi Takagi

2003. 9. 8.

Name: Takeshi TAKAGI