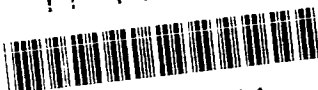


11-14-2003



102601174

Docket No.: L8462.03115

ET

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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11-6-03 ▼

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

1. Name of conveying party(ies):

Yutaka TERADA  
Hironori AKAMATSU

2. Name and address of receiving party(ies):

Name: Matsushita Electric Industrial Co., Ltd.

Internal Address: 1006, Oaza Kadoma, Kadoma-shi

Osaka 571-0050 JAPAN

Street Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other \_\_\_\_\_

Execution Date: October 7, 2003

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

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

If this document is being filed together with a new application, the execution date of the application is: October 7, 2003

A. Patent Application No.(s)

B. Patent No.(s)

11/07/2003 SDENBOB1 00000036 10701422

01 FC:8021

40.00 OP

Additional numbers attached? ☐ Yes ☒ No

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

Name: James E. Ledbetter, Esq.

Internal Address: L8462.03115

Street Address: Stevens, Davis, Miller & Mosher, LLP

1615 L. Street, NW, Suite 850

City: Washington State: DC ZIP: 20036

6. Total number of applications and patents involved:

1

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

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☐ Authorized to be charged to deposit account

8. Deposit account number:

19-4375

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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.

James E. Ledbetter, Reg. No. 28,732

Name of Person Signing

Signature

November 6, 2003

Date

Total number of pages including cover sheet, attachments, and document:

2

USA  
**ASSIGNMENT OF PATENT APPLICATION**

(1) Yutaka TERADA  
(2) Hironori AKAMATSU  
(3) \_\_\_\_\_  
(4) \_\_\_\_\_  
(5) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(6) MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.  
(6a) of 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-0050, JAPAN  
(7) \_\_\_\_\_  
(7a) of \_\_\_\_\_

(hereinafter designated as the Assignee) the entire rights, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(8) \_\_\_\_\_ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(9) MEMORY MACRO AND SEMICONDUCTOR INTEGRATED CIRCUIT  
(Case No. \_\_\_\_\_)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(10) on \_\_\_\_\_ or has already filed

(11) U.S. appln. Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.

(12) The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining such evidence and going forward with such interference.

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

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) 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.

6) The undersigned hereby grant(s) the firm of STEVENS, DAVIS, MILLER & MOSHER, L.L.P. the power to insert on this assignment any further identification which may be necessary or desirable to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date <u>October 7, 2003</u>	Signature of Inventor	(1) <u>Yutaka Terada</u>	(Seal)
Date <u>October 7, 2003</u>	Signature of Inventor	(2) <u>Hironori Akamatsu</u>	(Seal)
Date _____	Signature of Inventor	(3) _____	(Seal)
Date _____	Signature of Inventor	(4) _____	(Seal)
Date _____	Signature of Inventor	(5) _____	(Seal)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A., or (b) a U.S. Counsel if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date <u>October 7, 2003</u>	Signature of Witness	<u>Minoru Hatta</u>	(Seal)
Date <u>October 7, 2003</u>	Signature of Witness	<u>Akio Kudo</u>	(Seal)