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FORM PTO-1596  
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PATENTS ONLY

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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 43889-899

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

1. Name of Conveying Party:  
Mitsuyasu OHTA and Sadami TAKEOKA  
Additional name(s) of conveying party(ies) attached?  Yes

2. Name and address of receiving party:  
Name: Matsushita Electric Industrial Co., Ltd  
Address: 1006, Oaza Kadoma  
Kadoma-shi, Osaka,  
571-8501 JAPAN  
Additional name(s) & address(es) attached?  Yes

jc530 U.S. PTO  
09/447677  
11/23/99

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other  
Execution Date: November 18, 1999

4. Application number(s) or patent number(s): 09/447677  
If the document is being filed together with a new application, the execution date of the application is: November 23, 1999  
A. Patent Application No(s).  
B. Patent No(s).  
Additional numbers attached?  Yes

5. Name and address of party to whom correspondence concerning document should be mailed:  
Name: MCDERMOTT, WILL & EMERY  
Internal Address:  
Street Address: 600 13<sup>th</sup> Street, N.W.  
City: Washington State: DC Zip: 20005

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:  
13-0203

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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 Reg. No. 36,139  
Name and Registration No. of Person Signing

November 23, 1999  
Signature Date

Total number of pages comprising cover sheet: 3

CMB No. 0851-0011 (exp. 4/94)

12/14/1999 TTON11 00000041 130203 09447677  
01 FC:581 40.00 CH

PATENT  
REEL: 010429 FRAME: 0069

**ASSIGNMENT**

WHEREAS, Mitsuyasu OHTA, Sadami TAKEOKA

\_\_\_\_\_,  
hereinafter called the "Assignors," have jointly invented a new and useful invention entitled  
**METHOD FOR INSERTING TEST CIRCUIT AND METHOD FOR CONVERTING TEST DATA**

\_\_\_\_\_, for which they have:

- (a) filed an application for United States Letters Patent on \_\_\_\_\_ as (Serial No. \_\_\_\_\_); or
- (b) executed an application for United States Letters Patent on \_\_\_\_\_; and

WHEREAS, Matsushita Electric Industrial Co., Ltd.,  
a corporation organized and existing under the laws of Japan, having a place of business at  
1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, Japan,  
hereinafter called the "Assignee," is desirous of acquiring the entire right, title and interest in and  
to said invention, the application above identified, and in, to and under any Letters Patent which  
may be obtained to said invention, as hereinafter more fully set forth;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, be it known that for and  
in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient  
considerations, the receipt of which by said Assignors from the said Assignee is hereby  
acknowledged, the said Assignors have sold, assigned and transferred, and by these presents do  
sell, assign and transfer unto the said Assignee, the entire, right, title and interest for the United  
States in and to the invention and application hereinabove identified, and any Letters Patent of  
the United States that may issue for said invention, together with the entire right, title and interest  
in and to said invention and applications for Letters Patent and Letters Patent therefor, in all  
countries foreign to the United States, including the full right to claim for any such application  
all benefits and priority rights under any applicable convention; to have and to hold for the sole  
and exclusive use and benefit of the said Assignee, its successors and assigns, to the full end of  
the term or terms for which any and all of said Letters Patent for said inventions may issue.

And the said Assignors do hereby covenant and agree, for themselves and their legal  
representatives, that they will assist their said Assignee in the prosecution of the application

herein identified; in the making and prosecution of any other applications for Letters Patent that the said Assignee may elect to make covering the invention herein identified, as hereinabove set forth; in vesting in the said Assignee like exclusive title in and to all such other applications and Letters Patent; and in the prosecution of any interference which may arise involving said invention, or any application or Letters Patent herein contemplated; and that they will execute and deliver to the said Assignee any and all additional papers which may be requested by the said Assignee to fully carry out the terms of this Assignment.

And the Commissioner of Patents and Trademarks is hereby authorized and requested to issue Letters Patent to the said Assignee in accordance the terms of this Assignment.

IN TESTIMONY WHEREOF, the said Assignors have hereunto set their hands and affixed their seals.

Date: November 18, 1999 *Mitsuyasu Ohta* (Seal)  
Mitsuyasu OHTA

WITNESSED:

Date: \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_ (Seal)

Date: November 18, 1999 *Sadami Takeoka* (Seal)  
Sadami TAKEOKA

WITNESSED:

Date: \_\_\_\_\_ (Seal)

Date: \_\_\_\_\_ (Seal)