


FORM PTO-1595 (Modified)  
(Rev. 03-01)  
OMB No. 0651-0027 (exp.5/31/2002)  
P08A/REV03

ET U.S. DEPARTMENT OF COMMERCE  
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To the Director of the United States Patent and Trademark Office and the attached original documents or copy thereof.

8-1005

1. Name of conveying party(ies):

DOI, Hitoshi

Additional names(s) of conveying party(ies)  Yes  No

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

Name: Oki Electric Industry Co., Ltd.

Address: 7-12, Toranomom 1-chome,

Minato-ku,

City: Tokyo State/Prov.: \_\_\_\_\_

Country: Japan ZIP: \_\_\_\_\_

Additional name(s) & address(es)  Yes  No

113255 U.S. PTO  
11/200012  
  
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3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Execution Date: July 19, 2005

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: July 19, 2005

Patent Application No. \_\_\_\_\_ Filing date \_\_\_\_\_

B. Patent No.(s) \_\_\_\_\_

NEW

August 10, 2005

08/15/2005 6TOM11 00000069 500238 11200012

01 FC:8021 40.00 DA

Additional numbers  Yes  No

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

Name: Andrew J. Telesz, Jr.

Registration No. 33,581

Address: One Freedom Square

11951 Freedom Drive, Suite 1260

City: Reston State/Prov.: VA

Country: U.S.A. ZIP: 20190

6. Total number of applications and patents involved: **1**

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

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Authorized to be charged to deposit account

8. Deposit account number:

50-0238

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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.

Andrew J. Telesz, Jr.

Name of Person Signing



Signature

August 10, 2005

Date

Total number of pages including cover sheet, attachments, and document: **2**

Mail documents to be recorded with required cover sheet information to:  
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P.O. Box 1450, Alexandria, VA 22313-1450

**PATENT**  
**REEL: 016880 FRAME: 0687**

**ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**

**WHEREAS** Hitoshi DOI

hereinafter referred to collectively as the assignor, has invented a certain improvement relating to SEMICONDUCTOR MEMORY DEVICE OUTPUTING IDENTIFYING AND ROLL CALL INFORMATION

the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;  
 said application having been filed in the United States Patent and Trademark Office on \_\_\_\_\_, authorization being hereby given to my attorneys, **Raymond C. Jones and Adam C. Volentine** of **VOLENTINE FRANCOS, PLLC**, 12200 Sunrise Vally Drive Suite 150, Reston, Virginia 20191, to insert here in parentheses (Application Serial No. \_\_\_\_\_) the application serial number of said application when known;  
 said application having been filed under the Patent Cooperation Treaty on \_\_\_\_\_, Serial No. \_\_\_\_\_, the United States of America being designated.

**AND WHEREAS** Oki Electric Industry Co., Ltd.  
of 7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

**NOW THIS WITNESSETH**, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, July 19, 2005.

**WITNESS:**

**ASSIGNOR:**

Signature: Tetsuya Tanabe  
Tetsuya TANABE

Signature: Hitoshi DOI  
Name: Hitoshi DOI

**VOLENTINE FRANCOS, PLLC**