

03-24-2005



HEET U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office
Docket No. 031948-22

To the Honorable Commi

tached original documents or copy thereof.

1. Name of conveying party:
(1) Tetsuro TANENAKA

102965230

2. Name and address of receiving party(ies)

Name: Oki Electric Industry Co., Ltd.Street Address: 7-12, Toranomom 1-chome,City: Minato-ku, State: Tokyo Zip: _____Country: Japan Postal Code: _____Additional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date(s):

1st Inventor: February 24, 2005

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

If this document is being filed together with a new application, the filing date of the application is: March 9, 2005

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☐ No

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

Attorney Name: Donald R. StudebakerFirm Name: Nixon Peabody LLPInternal Address: Suite 900Street Address: 401 9th Street, N.W.City: Washington State: D.C. Zip: 20004-21286. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit account number:

19-2380 (031948-22)

(Attach duplicate copy of this page if paying by deposit account)

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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.

Donald R. Studebaker

Name of Person Signing

Signature

March 9, 2005

Date

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

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services, Director of the US Patent and Trademark Office, P. O. Box 1450, Alexandria, VA 22313-1450

03/21/2005 DBYME 00000063 192380 11074684
01 FC:8021 40.00 DA

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**WHEREAS** Tetsuro TAKENAKAhereinafter referred to collectively as the assignor, has invented a certain improvement relating to SEMICONDUCTOR MEMORY AND REDUNDANCY REPAIR METHOD

[X] 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, Donald R. Studebaker of NIXON PEABODY LLP, 8180 Greensboro Drive Suite 800 McLean VA 22102, 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, Toranomon 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, February 24 2005**WITNESS:**Signature: Yuichi Matsushita
Yuichi MATSUSHITA**ASSIGNOR:**Signature: Tetsuro Takenaka
Name: Tetsuro TAKENAKA

NIXON PEABODY LLP