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

1. Name of Conveying party(ies): Akira Sudo

3. Nature of Conveyance: Assignment

2. Name & address of receiving party(ies)

Name: Kabushiki Kaisha Toshiba

Execution Date: 10/11/00

Address: Kawasaki-Shi, Kanagawa-Ken, Japan

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

Title of Application: LOW RESISTANCE STRAP FOR HIGH DENSITY TRENCH DRAMS

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

A. Patent Application No(s).

B. Patent No(s)

Docket No. FIS-00-0024

Serial No. 09/609,168

Additional numbers attached? Yes No

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

Name: Ira D. Blecker

Street Address:

International Business Machines Corp. Intellectual Property Law Dept. 2070 Route 52 Dept. 18G / Bldg. 300-482 Hopewell Junction, New York 12533

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 A/C no.: 09-0458 (FI-180)

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9. Statement of 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.

Ira D. Blecker, Registration No. 29,894

Name of Person Signing

Telephone No. (845) 894-2580

Signature

Date

Ira D. Blecker March 26, 2001

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

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: ASSISTANT COMMISSIONER FOR PATENTS, WASHINGTON, D.C. 20231.

Date of Deposit: March 26, 2001

Name of Person Making Deposit: Karen Cinq-Mars

Signature: *Karen Cinq-Mars* 3/26/01

04/13/2001 TDIAZ1 00000118 090458 09609168

01 FC:581 40.00 CH

PATENT REEL: 011670 FRAME: 0317

ASSIGNMENT

Whereas, we

Inventor and City (f) Akira Sudo
County of Dutchess

City of Poughkeepsie
and State of New York

have invented certain improvements in

Title LOW RESISTANCE STRAP FOR HIGH DENSITY TRENCH DRAMS

and have executed, respectively, a United States patent application therefor on

Dates That Inventors Signed the Declaration (f) 10 / 11 2000.

Whereas, KABUSHIKI KAISHA TOSHIBA, having a place of business at Kawasaki-Shi, Kanagawa-Ken, Japan, desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, we the above named hereby sell, assign, and transfer to Assignee, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and we request the Commissioner of Patents to issue any Letters Patent granted upon the invention set forth in said application to Assignee, its successors and assigns; and we hereby agree that Assignee may apply for foreign Letters Patent on said invention and we will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by Assignee.



City (f, Signed at Poughkeepsie, New York

Date on

AKIRA SUDO 10/11/2000 signature inventor
(Akira Sudo)
First Name Middle Initial Last Name