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HEET

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To the Honorable Commissioner of Patents and Trademarks. Please attach original documents or copy thereof.

1. Name of conveying party(ies):

Toshiaki Sano
Tomoyuki Ishii
Kazuo Yano
Toshiyuki MineAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Sano & Ishii - January 7, 1999

Execution Date: Yano & Mine - January 8, 1999

2. Name and address of receiving party(ies)

(1) (2)
Name: Hitachi, Ltd. and Hitachi Device
Engineering Co., Ltd.
Internal Address: (1) 6, Kanda Surugadai 4-chome,
Chiyoda-ku, Tokyo 101-8010, Japan

and

Street Address: (2) 3681 Hayano, Mobara-shi,

Chiba-ken 297-8581, Japan

City: _____ State: _____ ZIP: _____

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

4. Application number(s) or patent number(s): Serial No. 09/236,630

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)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Gregory E. Montone, Esq.

Internal Address: ANTONELLI, TERRY, STOUT

05/30/2001 TTRAM1 00000001 6040605 & KRAUS, LLP

03 FC:581

40.00 OP

Street Address: 1300 N. Seventeenth Street

Suite 1800

City: Arlington State: VA ZIP: 22209

6. Total number of applications and patents involved: 1

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

☒ Enclosed☒ Any shortage☒ Authorized to be charged to deposit account

8. Deposit account number:

01-2135

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

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3. 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.

Gregory E. Montone

Name of Person Signing

Signature

May 25, 2001

Date

Reg. No. 28,141

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

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments

PATENT

REEL: 011845 FRAME: 0187

ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar(\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Toshiaki Sano, Tomoyuki Ishii, Kazuo Yano, and Toshiyuki Mine

citizens of Japan by Hitachi, Ltd. and Hitachi Device Engineering Co., Ltd.

located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo 101-8010, Japan, and 3681 Hayano, Mobara-shi, Chiba-ken 297-8581, Japan

receipt of which is hereby acknowledged, we, the said Toshiaki Sano, Tomoyuki Ishii, Kazuo Yano, and Toshiyuki Mine

do hereby sell and assign to said Hitachi, Ltd. and Hitachi Device Engineering Co., Ltd.

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to SEMICONDUCTOR MEMORY DEVICE

invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi, Ltd. and Hitachi Device Engineering Co., Ltd.

their Successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd. and Hitachi Device Engineering Co., Ltd.

Signed on the dates indicated aside our signatures:

INVENTORS
(発明者フルネームサイン)

Date Signed
(署名日)

Witnesses
(立会人サイン)

1) Toshiaki Sano January 7, 1999


