

PATENTS ONLY

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached

1. Name of conveying party(ies):

Masachika Masuda Toshio Sugano
 Tamaki Wada Yasushi Takahashi
 Michiaki Sugiyama Masayasu Kawamura
 Hirotaka Nishizawa

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: October 14, 1998

2. Name and address of receiving party(ies)

(1) Hitachi, Ltd. and (2) Hitachi ULSI
 Systems Co., Ltd.

Internal Address: _____

Street Address: (1) Chiyoda-ku, Tokyo, Japanand (2) Kodaira-shi, Tokyo, Japan

City: _____ State: _____ ZIP: _____

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

4. Application number(s) or patent number(s): Serial No. 09/161,725

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. MontoneInternal Address: ANTONELLI, TERRY, STOUT
& KRAUS01/27/1999 00000005 0916172502 FC:58140.00 USStreet Address: 1300 N. Seventeenth StreetSuite 1800City: Arlington State: VA ZIP: 222096. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☒ Any shortage☒ Authorized to be charged to deposit account

8. Deposit account number:

01-2135

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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.

Gregory E. Montone

Name of Person Signing

Reg. No. 28,141

Robert E. Sawyer, Reg. No. 34,487, for

Signature

January 19, 1999

Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
 Commissioner of Patents & Trademarks, Box Assignments
 Washington D.C. 20231

PATENT
 REEL: 9730 FRAME: 0814

ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to Hitachi, Ltd. & Hitachi ULSI Systems Co., Ltd. of Chiyoda-ku, Tokyo, Japan & Kodaira-shi, Tokyo, Japan its successors and assigns or other legal representatives all my rights, title and interest, in and for the United States of America, in and to

SEMICONDUCTOR DEVICE AND METHOD OF PRODUCING THE SAME,

U.S. Serial No. _____ filed on September 29, 1998

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed by me 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. & Hitachi ULSI Systems Co., Ltd., its successors, assigns or other legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the 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 I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd. & Hitachi ULSI Systems Co., Ltd.

- | | (Full Name) | (Signature) |
|----|---|----------------------------|
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- 8) Date _____ Inventor _____
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Residence _____ Citizenship _____
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- 10) Date _____ Inventor _____
Residence _____ Citizenship _____
Post Office Address _____

Witness(es)

- All) _____ 4) Yasuhiko Nakamura 8) _____
1) Hiromichi SUZUKI 5) Isamu Hata 9) _____
2) Yasuhisa Hagiwara 6) Mitsunobu Kihara 10) _____
3) Kazuya Tsuboi 7) Mitsuo Kihara