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To the Honorable Commissioner of Patents and Trademarks, Patent and Trademark Office, Washington, D.C. 20231. Please attach the attached original documents or copy thereof.

1. Name of conveying party(ies):

Masashi Horiguchi Yoshinobu Nakagome
Masayuki Nakamura
Sadayuki Ohkuma
Kazuhiko KajigayaAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

Execution Date: May 14, 1999

2. Name and address of receiving party(ies)

Name: Hitachi, Ltd.

Internal Address:

Street Address: 6, Kanda Surugadai 4-chome

Chiyoda-ku

City: Tokyo 100 JAPAN State: ZIP:

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

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

Serial No. 09/289,660

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

A. Patent Application No.(s)

01/02/2001 BNGUYEN2 00000007 09289660

01 FC:581

40.00 DP

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.

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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

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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.

Paul J. Skwierawski

Name of Person Signing

Signature

December 28, 2000

Date

Reg. No. 32,172

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

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Washington D.C. 20231

PATENT

REEL: 011386 FRAME: 0478

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.
of Chiyoda-ku, 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, U.S. Serial No.

filed on April 12, 1999

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.

_____, 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.

- | | (Full Name) | (Signature) |
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