

FORM: PTO-1595
1-31-92

11-20-2000

U.S. DEPARTMENT OF
COMMERCE
Patent and Trademark
Office



101521101

10-13-00

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

1. Name of conveying party(ies):

KATSUYA ODA
EIJI OHUE
MASAO KONDO
KATSUYOSHI WASHIO
MASAMICHI TANABE
HIROMI SHIMAMOTO

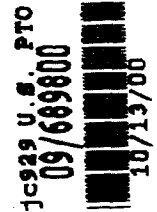
2. Name and address of receiving party(ies):

Name: HITACHI, LTD.

Address: 6, KANDA SURUGADAI 4-CHOME
CHIYODA-KU

City: TOKYO

Country: JAPAN



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

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

3. Nature of conveyance:

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

Execution Date: SEPTEMBER 21,25, 2000

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

If this document is being filed together with a new application, the execution date of the application is: SEPTEMBER 21,25, 2000

A. Patent Application No.(s)

B. Patent No.(s)

09689500

Additional numbers attached? Yes No

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

Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP

Internal Address:

Street Address: 1300 North Seventeenth Street
Suite 1800

City: Arlington state: VA Zip: 22209

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR3.41).....\$40.00

Enclosed

Any deficiencies may be charged to deposit account

Authorized to be charged to deposit account

8. Deposit account number: 01-2135

(Attached 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

GREGORY E. MONTONE

Name of Person Signing

Attorney Registration No. 28,141

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

OMB NO. 0651-0011 (Exp. 4/94)

Signature

OCTOBER 13, 2000

Date

10/18/2000 SEP2881 00000007 09689800

02 FC:581

40.00

Name: HITACHI DEVICE ENGINEERING CO., LTD.

Address: 3681, HAYANO, MOBARA-SHI, CHIBA, JAPAN

ASSIGNMENT

(譲渡証)

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the below named inventor(s), citizens of Japan by HITACHI, LTD., and Hitachi Device Engineering Co., Ltd., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 3681, Hayano, Mobara-shi, Chiba, Japan, respectively, receipt of which is hereby acknowledged, we, the below named inventor(s), 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

BIPOLAR TRANSISTOR AND MANUFACTURING METHOD THEREOF

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 date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Watsuya Oda</u>	<u>9/21/2000</u>
2) <u>Eiji Ohue</u>	<u>9/21/2000</u>
3) <u>Masao Kondou</u>	<u>9/21/2000</u>
4) <u>Katsuyoshi Washio</u>	<u>9/21/2000</u>
5) <u>Masamichi Tanabe</u>	<u>9/21/2000</u>
6) <u>Hiromi Shimomoto</u>	<u>9/25/2000</u>
7) _____	_____
8) _____	_____
9) _____	_____