



10-02-2002



102238033

CORRECTED

Form PTO-1595 (Rev. 03/01) OMB No. 0651-0027 (exp. 5/31/2002) RECORDATION FORM COVER SHEET PATENTS ONLY U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

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

1. Name of conveying party(ies): Additional name(s) of conveying party(ies) attached?  Yes  No Takenobu IKEDA Masahiro TADOKORO Masaru IZAWA Takashi YUNOGAMI

9-27-02

2. Name and address of receiving party(ies) Name: Hitachi, Ltd./NEC Corporation Street Address: 6, Kanda Surugadai 4-chome, Chiyoda-ku 1120, Shlmokuzawa, Sagamihara-shi 229-1134 City: Tokyo/Kanagawa

3. Nature of conveyance:  Assignment  Security Agreement  Other  Merger  Change of Name Execution Date: September 10, 11, 19, 25, 2001.

Country: Japan  Other Additional name(s) & address(es) attached?  Yes  No

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: \_\_\_\_\_. A. Patent Application No.(s) 09/964,628 Filed September 28, 2001

B. Patent Registration No.(s) Additional number(s) 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 Arlington, VA 22209 USA

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 3.41)..... \$40.00  Enclosed - Credit Card Payment Form  Authorized to be charged to deposit account

8. Deposit account number: 01-2135 (Attach duplicate copy of this page if paying by deposit account)

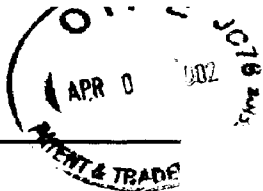
DO NOT USE THIS SPACE

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. Ralph T. Webb September 27, 2002 Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 9

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

09/30/2002 BABRAHA1 00000116 09964628 01 FC:581 40.00 OP



04-11-2002

843.40700X00

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office



Form PTO-1595  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)

To the Honorable Commissioner of Pat

102050321

original documents or copy thereof.

1. Name of conveying party(ies):  
Additional name(s) of conveying party(ies) attached?  Yes  No  
~~Takemasa~~ IKEDA  
Masahiro TADOKORO  
Masaru IZAWA  
Takashi YUNOGAMI

4-3-02

2. Name and address of receiving party(ies)  
Name: Hitachi, Ltd./NEC Corporation  
Street Address: 6, Kanda Surugadai 4-chome,  
Chiyoda-ku  
1120, Shimokuzawa, Sagamihara-shi  
229-1134

City: Tokyo/Kanagawa

Country: Japan  
 Other

3. Nature of conveyance:  
 Assignment  
 Security Agreement  
 Other \_\_\_\_\_  
 Merger  
 Change of Name

Execution Date: September 10, 11, 19, 25, 2001.

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

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: \_\_\_\_\_  
A. Patent Application No.(s)  
09/964,628 Filed September 28, 2001

B. Patent Registration No.(s)

Additional number(s) 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  
Arlington, VA 22209  
USA

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 account number:  
01-2135  
(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

William I. Solomon

04/08/2002

Name of Person Signing

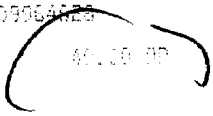
Signature

Date

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

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Commissioner of Patent & Trademarks, Box Assignments  
Washington, D.C. 20231

002 BABRAHAI 00000145 0906AR22



COPY

PATENT  
REEL: 013337 FRAME: 0156

# 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 Takenobu IKEDA, Masahiro TADOKORO, Masaru IZAWA and Takashi YUNOGAMI, citizens of Japan by HITACHI, LTD., and Elpida Memory, Inc., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 1120, Shimokuzawa, Sagami-hara-shi, Kanagawa 229-1134, Japan, respectively,

receipt of which is hereby acknowledged, we, the said, Takenobu IKEDA, Masahiro TADOKORO, Masaru IZAWA and Takashi YUNOGAMI, do hereby sell and assign to said HITACHI, LTD., and NEC Corporation, their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

## METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT 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 NEC Corporation,

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 NEC Corporation.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Takenobu Ikeda</u> Tekenobu IKEDA	<u>10 / September / 2001</u>
2) <u>Masahiro Tadokoro</u> Masahiro TADOKORO	<u>19 / September / 2001</u>
3) <u>Masaru Izawa</u> Masaru IZAWA	<u>25 / September / 2001</u>
4) _____ Takashi YUNOGAMI	_____
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____

COPY

# 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 Takenobu IKEDA, Masahiro TADOKORO, Masaru IZAWA and Takashi YUNOGAMI, citizens of Japan by HITACHI, LTD., and Elpida Memory, Inc., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 1120, Shimokuzawa, Sagami-hara-shi, Kanagawa 229-1134, Japan, respectively,

receipt of which is hereby acknowledged, we, the said, Takenobu IKEDA, Masahiro TADOKORO, Masaru IZAWA and Takashi YUNOGAMI, do hereby sell and assign to said HITACHI, LTD., and NEC Corporation, their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

## METHOD OF MANUFACTURING A SEMICONDUCTOR INTEGRATED CIRCUIT 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 NEC Corporation,

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 NEC Corporation.

Signed on the date(s) indicated aside signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) _____ Tekenobu IKEDA	_____
2) _____ Masahiro TADOKORO	_____
3) _____ Masaru IZAWA	_____
4) <u>Takashi Yunogami</u> _____ Takashi YUNOGAMI	September 11, 2001
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____

COPY



BOX ISSUE FEE  
843.40700X00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**Applicants:** IKEDA, et al.  
**Serial No.:** 09/964,628  
**Filed:** September 28, 2001  
**For:** METHOD OF MANUFACTURING A SEMICONDUCTOR  
INTEGRATED CIRCUIT DEVICE  
**Art Group** 2814  
**Examiner:** T. Quach

**REQUEST FOR CORRECTION OF COVER SHEET ERROR**

ATTN: ASSIGNMENT DIVISION  
Assistant Commissioner for Patents  
Washington, D.C. 20231

September 27, 2002

Sir:

Pursuant to 37 C.F.R. 3.34, applicants respectfully request correction of the Cover Sheet dated December 6, 2001 submitted in connection with the above-identified application. Specifically, applicants respectfully request that the cover sheet be corrected to reflect the proper spelling of the first inventor's name. The correct spelling of the first inventor's name is "**Takenobu IKEDA**" rather than "**Tekenobu IKEDA.**"

It is respectfully submitted that the error is apparent when the cover sheet is compared with the recorded document to which it pertains. Although the recorded assignment itself contains the error in the signature block, the inventor's name is spelled correctly both times that it appears in the body of the assignment, and the correct spelling is clearly shown as "**Takenobu**" in the actual signature of the inventor.

PATENT  
REEL: 013337 FRAME: 0159

Consistent with the requirements of 37 C.F.R. 3.34(a)(2), a corrected cover sheet is attached hereto.

Consistent with the requirements of 37 C.F.R. 3.34(b), the corrected cover sheet is accompanied by the originally recorded document or copy hereof, and by the recording fee set forth in 37 C.F.R. 3.41. See 37 C.F.R. 1.21(h).

Recording of the corrected cover sheet, in due course, is respectfully requested.

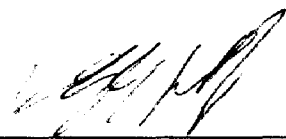
If any further action is required in connection with this request, the Assignment Division is requested to contact the undersigned immediately.

It is respectfully requested that any shortage in the fee be charged to the account of Antonelli, Terry, Stout & Kraus, LLP, Account No. 01-2135 (Case No. 843.40700X00).

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

By

  
\_\_\_\_\_  
Ralph T. Webb  
Reg. No. 33,047

Attachments: As stated

RTW/dlt  
Tel.: (703) 312-6600  
Fax: (703) 312-6666



JUNE 05, 2002

PTAS

Commissioner for Trademarks  
Arlington, VA 22202-3513  
www.uspto.gov

ANTONELLI, TERRY, STOUT & KRAUS, LLP  
WILLIAM I. SOLOMON  
1300 NORTH SEVENTEENTH STREET  
SUITE 1800  
ARLINGTON, VA 22209



\*102050321A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 04/03/2002

REEL/FRAME: 012766/0132  
NUMBER OF PAGES: 3

BRIEF: TO CORRECT RECEIVING PARTY NAME

ASSIGNOR: *Takenobu*  
IKEDA, ~~TEKENOBU~~

DOC DATE: 09/10/2001

ASSIGNOR:  
TADOKORO, MASAHIRO

DOC DATE: 09/19/2001

ASSIGNOR:  
IZAWA, MASARU

DOC DATE: 09/25/2001

ASSIGNOR:  
YUNOGAMI, TAKASHI

DOC DATE: 09/11/2001

ASSIGNEE:  
HITACHI, LTD./NEC CORPORATION  
6, KANDA SURUGADAI 4-CHOME,  
CHIYODA-KU  
1120, SHIMOKUZAWA, SAGAMIHARA-SHI  
229-1134  
TOKYO/KANAGAWA, JAPAN

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RECORDED: 09/27/2002

PATENT  
REEL: 013337 FRAME: 0161