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Atty Docket No.: 0057-2326-2YY/jmh

FORM PTO-1595  
1-31-92

101520641

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

ASSIGNMENTS ONLY

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

1. Name of conveying party(ies):

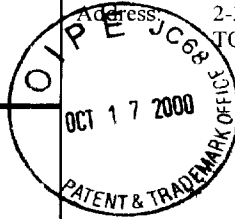
Shigenobu MAEDA  
Tadashi NISHIMURA  
Kazuhito TSUTSUMI  
Shigeto MAEGAWA  
Yuuichi HIRANO

11/10  
10-17-00

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

Name: Mitsubishi Denki Kabushiki Kaisha

Address: 2-3, Marunouchi 2-chome, Chiyoda-ku  
TOKYO 100-8310 JAPAN



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

3. Nature of Conveyance:

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

Execution Date: June 24, 24, 24, 24 and 18, 2000

Additional name(s) and 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)  
09/122,863

B. Patent No.(s)

Additional numbers attached?  Yes  No

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

OBLON, SPIVAK, McCLELLAND, MAIER &  
NEUSTADT, P.C.  
Attorneys at Law  
Fourth Floor  
1755 Jefferson Davis Highway  
Arlington, Virginia 22202

6. Total applications and patents involved:

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

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number: 15-0030  
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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.*

Marvin J. Spivak

Name of Person Signing

Signature

Date

Registration Number: 24,913

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PATENT  
REEL: 011241 FRAME: 0251

# Assignment Of Application

INSERT NAMES AND RESIDENCE ADDRESSES OF THE INVENTORS:

WHEREAS, I (WE) Shigenobu MAEDA, Tadashi NISHIMURA, Kazuhito TSUTSUMI, Shigeto MAEGAWA and Yuuichi HIRANO all of c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2- chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

respectively,

have invented certain new and useful improvements in: SEMICONDUCTOR DEVICE AND METHOD OF FABRICATING SAME

INSERT TITLE OF INVENTION:

for which an application for Letters Patent was executed on June 18 and 24, 1998

INSERT DATE INVENTIONS SIGNED DECLARATION:

(Application No. 09/122,863 filed July 27, 1998) and

INSERT NAME AND ADDRESS OF OTHER ASSIGNEE:

WHEREAS, Mitsubishi Denki Kabushiki Kaisha (hereinafter referred to as "ASSIGNEE") having a place of business at: 2-3, Marunouchi 2-chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00) the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted as fully and entirely the same would have been held by me (us ) had this Assignment and sale not been made.

Further, I (We) agree that I (We) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said inventions, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grants(s) the firm if Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: June 24, 1998  
(Signature of Inventor) Shigenobu Maeda  
Shigenobu MAEDA

Date: June 24, 1998  
(Signature of Inventor) Tadashi Nishimura  
Tadashi NISHIMURA

Date: June 24, 1998  
(Signature of Inventor) Kazuhiro Tsutsumi  
Kazuhiro TSUTSUMI

Date: June 24, 1998  
(Signature of Inventor) Shigeto Maegawa  
Shigeto MAEGAWA

Date: June 18, 1998  
(Signature of Inventor) Zuichi Hirano  
Zuichi HIRANO

Date: \_\_\_\_\_  
(Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_  
(Signature of Inventor) \_\_\_\_\_

Date: \_\_\_\_\_  
(Signature of Inventor) \_\_\_\_\_

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.  
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