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1-31-92

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1. Name of conveying party(ies):

Shigenobu MAEDA, Takuji MATSUMOTO,  
Toshiaki IWAMATSU and Takashi IPPOSHI

10/2/02

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  Merger
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- Other

Execution Date: August 27, 2002

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

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

10/261665

If this document is being filed together with a new application, the execution date of the application is: August 27, 2002

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:



22850

6. Total applications and patents involved: 1

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

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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

*Marvin J. Spivak*  
Signature

10/2/02  
Date

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PATENT  
REEL: 013356 FRAME: 0031

U.S. PTO  
10/261665  
10/02/02

# Assignment Of Application

WHEREAS, I (WE) Shigenobu MAEDA, Takuji MATSUMOTO, Toshiaki

IWAMATSU and Takashi IPPOSHI, all of c/o MITSUBISHI DENKI KABUSHIKI

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

INSERT NAMES  
AND RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: SEMICONDUCTOR DEVICE

AND METHOD OF MANUFACTURING THE SAME

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on August 27, 2002

(Application No. \_\_\_\_\_, filed \_\_\_\_\_), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
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 as 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 invention, 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 grant(s) the firm of 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: August 27, 2002

*Shigenobu Maeda*  
(Signature of Inventor) Shigenobu MAEDA

Date: August 27, 2002

*Takuji Matsumoto*  
(Signature of Inventor) Takuji MATSUMOTO

Date: August 27, 2002

*Toshiaki Iwamatsu*  
(Signature of Inventor) Toshiaki IWAMATSU

Date: August 27, 2002

*Takashi Ipposhi*  
(Signature of Inventor) Takashi IPPOSHI

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

**OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.**  
ATTORNEYS AT LAW  
FOURTH FLOOR  
1755 JEFFERSON DAVIS HIGHWAY  
ARLINGTON, VIRGINIA 22202