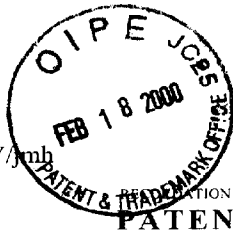


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Atty Docket No.: 0057-2567-2YY/jmb

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Yasuo YAMAGUCHI, Shigeto MAEGAWA, Takashi IPPOSHI,
Toshiaki IWAMATSU, Shigenobu MAEDA, Yuuichi HIRANO,
Takuji MATSUMOTO and Shoichi MIYAMOTO

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

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) and address(es) attached? Yes No

3. Nature of Conveyance:

- Assignment Merger
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Execution Date: November 29, 1999

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: N/A

A. Patent Application No.(s)
09/466,934

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: 1

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PATENT
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Assignment Of Application

INSERT NAMES AND RESIDENCE ADDRESSES OF THE INVENTORS:

WHEREAS, I (WE) Yasuo YAMAGUCHI, Shigeto MAEGAWA, Takashi IPPOSHI, Toshiaki IWAMATSU, Shigenobu MAEDA, Yuuichi HIRANO, Takuji MATSUMOTO and Shoichi MIYAMOTO all of c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2- chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

INSERT TITLE OF INVENTION:

_____ respectively, have invented certain new and useful improvements in: SEMICONDUCTOR DEVICE, METHOD

INSERT DATE INVENTIONS SIGNED DECLARATION:

OF MANUFACTURING SAME AND METHOD OF DESIGNING SAME

INSERT NAME AND ADDRESS OF OTHER ASSIGNEE:

for which an application for Letters Patent was executed on November 29, 1999 (Application No. 09/466,934 filed December 20, 1999), and

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: <u>November 29, 1999</u>	<u><i>Yasuo Yamaguchi</i></u> (Signature of Inventor) <u>Yasuo YAMAGUCHI</u>
Date: <u>November 29, 1999</u>	<u><i>Shigeto Maegawa</i></u> (Signature of Inventor) <u>Shigeto MAEGAWA</u>
Date: <u>November 29, 1999</u>	<u><i>Takashi Ipposhi</i></u> (Signature of Inventor) <u>Takashi IPPOSHI</u>
Date: <u>November 29, 1999</u>	<u><i>Toshiaki Iwamatsu</i></u> (Signature of Inventor) <u>Toshiaki IWAMATSU</u>
Date: <u>November 29, 1999</u>	<u><i>Shigenobu Maeda</i></u> (Signature of Inventor) <u>Shigenobu MAEDA</u>
Date: <u>November 29, 1999</u>	<u><i>Yuuichi Hirano</i></u> (Signature of Inventor) <u>Yuuichi HIRANO</u>
Date: <u>November 29, 1999</u>	<u><i>Takuji Matsumoto</i></u> (Signature of Inventor) <u>Takuji MATSUMOTO</u>
Date: <u>November 29, 1999</u>	<u><i>Shoichi Miyamoto</i></u> (Signature of Inventor) <u>Shoichi MIYAMOTO</u>

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