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FORM PTO-1596  
1-31-92

RECORDATI

DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 50090-189

PATENT 101311762

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

1. Name of Conveying Parties:  
Satoshi YAMADA, Masatoshi YASUNAGA and Michitaka KIMURA

2. Name and address of receiving party:  
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

3. Nature of Conveyance:  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Other

Execution Date: January 26 and January 27, 2000

Additional name(s) & address(es) attached?  Yes

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

If the document is being filed together with a new application, the execution date of the application is: January 26 and January 27, 2000

A. Patent Application No(s).

B. Patent No(s).

09/517050

Additional numbers attached?  Yes

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

Name: MCDERMOTT, WILL & EMERY

Internal Address:

Street Address: 600 13<sup>th</sup> Street, N.W.

City: Washington State: DC Zip: 20005

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:  
500417

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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.*

Stephen A. Becker, 26,527

March 2, 2000

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

1c542 U.S. PTO  
09/517050  
03/02/00

04/07/2000 TTGM11 0000047 500417 09517050

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PATENT  
REEL: 010663 FRAME: 0886

G2184  
3/11/2000

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Satoshi YAMADA
- (2) Michitaka KIMURA
- (3) Masatoshi YASUNAGA

who have made a certain new and useful invention, hereby sell, assign and transfer unto

Mitsubishi Denki Kabushiki Kaisha  
2-3, Marunouchi 2-chome  
Chiyoda-ku, Tokyo 100-8310  
JAPAN

its successors and assigns ( hereinafter designated "ASSIGNEE" ) the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled

SEMICONDUCTOR DEVICE AND MANUFACTURING METHOD THEREOF

for which an application for United States Letters Patent was executed on even date herewith,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the international Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Satoshi Yamada</u> Name: Satoshi YAMADA	<u>January 26, 2000</u>
2) <u>Michitaka Kimura</u> Name: Michitaka KIMURA	<u>January 27, 2000</u>
3) <u>Masatoshi Yasunaga</u> Name: Masatoshi YASUNAGA	<u>January 26, 2000</u>