

03-19-2002



FORM PTO-1596  
1-31-92

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Docket No.: 50090-473

102021953  
PATENTS ONLY

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

1. Name of Conveying Party(ies):  
Shunichi ABE, Tetsuya UEBAYASHI, Naoki IZUMI, Akira  
YAMAZAKI

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

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

Execution Date: January 18, 2002, January 21, 2002, January  
24, 2002

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 18, 2002, January  
21, 2002, January 24, 2002

A. Patent Application No(s).

B. Patent No(s).

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 6, 2002

Name and Registration No. of Person Signing

Signature

Date

Total number of pages comprising cover sheet: 1

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

03/18/2002 6TON11 00000216 500417 10090842

01 FC:581 40.00 CH

JC979 U.S. PTO  
10/090842  
03/06/02

PATENT  
REEL: 012673 FRAME: 0433

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) Shunichi ABE
- (2) Tetsuya UEBAYASHI
- (3) Naoki IZUMI
- (4) Akira YAMAZAKI

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, METHOD OF FABRICATING THE SAME AND SEMICONDUCTOR  
DEVICE FABRICATING APPARATUS

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>Shunichi Abe</u> Name: Shunichi ABE	<u>January 18, 2002</u>
2) <u>Tetsuya Uebayashi</u> Name: Tetsuya UEBAYASHI	<u>January 24, 2002</u>
3) <u>Naoki Izumi</u> Name: Naoki IZUMI	<u>January 24, 2002</u>
4) <u>Akira Yamazaki</u> Name: Akira YAMAZAKI	<u>January 21, 2002</u>