



07-28-2003

DS

Atty Docket No.: 231593US2

FORM PTO-1595 1-31-92

7-22-03



U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

102509352

To the Director of the United States Patent and Trade.

attached original documents or copy thereof.

1. Name of conveying party(ies):

Dai NAKAJIMA  
Yoshihiro KASHIBA

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
- Security Agreement  Change of Name
- Other

Execution Date: May 6, 2003

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)

10/383,650

B. Patent No.(s)

Additional numbers attached?  Yes  No

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



22850

Tel. (703) 413-3000  
Fax. (703) 413-2220

6. Total 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: 15-0030

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

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.

Gregory J. Maier  
Name of Person Signing

Signature

July 22 2003

Date

Registration Number: 25,599

Total number of pages including this cover sheet: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Director of the United States Patent and Trademark Office  
Mail Stop Assignment Recordation Services  
Alexandria, Virginia, 22313

I:\Atty\RF\23s\231593\231593-assign-1595.doc

07/25/2003 6TOM11 00000207 10383650

01 FC:8021

40.00 DP

PATENT  
REEL: 014304 FRAME: 0256

# Assignment Of Application

INSERT NAMES  
AND RESIDENCE  
ADDRESSES OF  
THE INVENTORS:

WHEREAS, I (WE) Dai NAKAJIMA and Yoshihiro KASHIBA

of c/o MITSUBISHI DENKI KABUSHIKI KAISHA, 2-3, Marunouchi 2-chome,  
Chiyoda-ku, TOKYO 100-8310 JAPAN and

Hideaki CHUMA of c/o FUKURYO SEMI-CON ENGINEERING CORPORATION,  
1-1, Imajuku-higashi 1-chome , Nishi-ku, Fukuoka-shi, FUKUOKA  
819-0161 JAPAN

INSERT TITLE  
OF INVENTION:

have invented certain new and useful improvements in: POWER SEMICONDUCTOR DEVICE

INSERT DATE IN-  
VENTORS SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on May 6, 2003

(Application No. 10/383,650, filed March 10, 2003), 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: May 6, 2003

Dai Nakajima  
(Signature of Inventor) Dai NAKAJIMA

Date: May 6, 2003

Yoshihiro Kashiba  
(Signature of Inventor) Yoshihiro KASHIBA

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

\_\_\_\_\_  
(Signature of Inventor) Hideaki CHUMA

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

\_\_\_\_\_  
(Signature of Inventor)

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