

11-26-2002

Atty Docket No.: 230767US2/als



FORM PTO-1595
1-31-92

102294560

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1. Name of conveying party(ies):

Tetsuo TAKAHASHI and Hideki TAKAHASHI

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
- Security Agreement Change of Name
- Other

Execution Date: November 1, 2002

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

10997 U.S. PTO
10/300612
11/21/02

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: November 1, 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

Tel. (703) 413-3000
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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

Signature

Marvin J. Spivak

11/21/02

Date

Registration Number: 24,913

Patent number 21,124

Total number of pages including this cover sheet: 3

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PATENT
REEL: 013512 FRAME: 0647

Assignment Of Application

WHEREAS, I (WE) Tetsuo TAKAHASHI and Hideki TAKAHASHI, both 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:

 _____, respectively,

INSERT TITLE
 OF INVENTION:

have invented certain new and useful improvements in: POWER SEMICONDUCTOR DEVICE
AND METHOD OF MANUFACTURING THE SAME

INSERT DATE IN-
 VENTORS SIGNED
 DECLARATION:

for which an application for Letters Patent was executed on November 1, 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: November 1, 2002

Tetsuo Takahashi
(Signature of Inventor) Tetsuo TAKAHASHI

Date: November 1, 2002

Hideki Takahashi
(Signature of Inventor) Hideki TAKAHASHI

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

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