

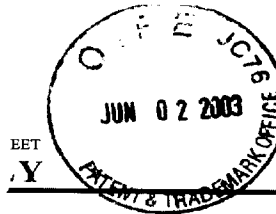
Atty Docket No.: 0057-

FORM PTO-1595
1-31-92

06-05-2003



102464995



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): **6.2.03**
Shoichi MIYAMOTO, Yuuichi HIRANO and Takashi IPPOSHI

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: October 27, 1998

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

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)

09/197,705

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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



22850

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.

Marvin J. Spivak

Name of Person Signing

Joseph A. Scafetta Jr.
Signature

June 2, 2003
Date

Registration Number: 24,913

Joseph A. Scafetta, Jr.
Registration No. 26,803

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:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

06/04/2003 8TON11 00000112 09197705

01 FC:8021

40.00 0P

PATENT
REEL: 014127 FRAME: 0068

Assignment Of Application

INSERT NAMES AND
RESIDENCE
ADDRESSES OF THE
INVENTORS:

WHEREAS, I (WE) Shoichi MIYAMOTO, Yuuichi HIRANO, and Takashi
IPPOSHI all of c/o Mitsubishi Denki Kabushiki Kaisha, 2-3,
Marunouchi 2- chome, Chiyoda-ku, TOKYO 100-8310 JAPAN

_____ respectively,

INSERT TITLE OF
INVENTION:

have invented certain new and useful improvements in: SEMICONDUCTOR DEVICE AND
MANUFACTURING METHOD THEREOF

INSERT DATE IN-
VENTIONS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on October 27, 1998
(Application No. 09/197,705 filed November 23, 1998), and

INSERT NAME AND
ADDRESS OF
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 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: October 27, 1998

Shoichi Miyamoto
(Signature of Inventor) Shoichi MIYAMOTO

Date: October 27, 1998

Yuuichi Hirano
(Signature of Inventor) Yuuichi HIRANO

Date: October 27, 1998

Takashi Ipposhi
(Signature of Inventor) Takashi IPPOSHI

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
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VIRGINIA, 22202