



100977818

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

2-17-99

1. Name of conveying party(ies):

Hisashi KAWAFUJI, Mitsutaka IWASAKI, Gourab MAJUMDAR, and Toshiaki SHINOHARA

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: January 29, February 2, 2, and
January 29, 1999

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

530 U.S. PTO
29/100730
02/17/99

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: **January 29, February 2, 2, and January 29, 1999**

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:

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
Attorneys at Law
Fourth Floor
1755 Jefferson Davis Highway
Arlington, Virginia 22202

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.

C. Irvin McClelland

MARVIN J. SPIVAK
REGISTRATION NUMBER 24,913
Signature

2/17/99
Date

Name of Person Signing

Registration Number: 21,124

03/01/1999 NPEOPLES 00000023 29100730

92 FC1581

40.00 0P
Total number of pages including this cover sheet: 2

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

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt of which is hereby acknowledged, the undersigned, _____
Hisashi KAWAFUJI, Mitsutaka IWASAKI, Gourab MAJUMDAR and Toshiaki SHINOHARA

hereby sells, assigns and transfers to

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

(hereinafter called the Assignee), its successors and assigns, the entire right, title, and interest in and to:

- (i) the application for United States Letters Patent entitled
SEMICONDUCTOR DEVICE

which was executed by the undersigned on _____ the dates indicated below
or was filed on _____ and accorded Serial No.
_____ (hereinafter called the Application) ;

- (ii) any and all inventions and improvements which are described in the Application ;
- (iii) any and all United States Letters Patents which may be granted on the Application (hereinafter called Patent) ;
- (iv) any and all divisions, continuations, substitutes, reexaminations, reissues, or extensions of the Application or Patent; and
- (v) all benefits under the International Convention for the Protection of Industrial Property.

Said Assignee of said patent application and the attorneys appointed to prosecute said patent application are authorized to insert in this instrument the filing date and serial number of said application.

The Commissioner of Patents and Trademarks is authorized to issue any and all of said Letters Patent, when granted, to said Assignee.

Further, it is agreed that, when requested, without charge to but at the expense of said Assignee, the undersigned will execute all divisional, continuing, substitute, or reissue patent applications; execute all additional assignments and other writings, including reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection.

INVENTOR(S) :

(Hisashi KAWAFUJI) Hisashi Kawafuji
(Mitsutaka IWASAKI) Mitsutaka Iwasaki
(Gourab MAJUMDAR) Gourab Majumdar
(Toshiaki SHINOHARA) Toshiaki Shinohara

DATE
Jan. 29, 1999
Feb. 2nd, 1999
Feb. 2, 1999
Jan. 29, 1999