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FORM PTO-1595
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Attorney's Docket No. 018773-024

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

1. Name of conveying party(ies):
Akihiro GOTO, Hirochika KAWAGUCHI, Yoshiharu TAKAHASHI, Takao TAKAHASHI, Takashi ARITA, Satoshi OOKYUU, and Hirokazu TAKI

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name

Other: _____

Execution Date: Nov. 11, 12, 15, and 17, 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) & address(es) attached? Yes No

4. Application number(s) or patent number(s): 09/456508

If this document is being filed together with a new application, the execution date of the application is: Nov. 11, 12, 15 & 17, 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:

Name: Platon N. Mandros
Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.
P.O. Box 1404

Alexandria, Virginia 22313-1404

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, if necessary

8. Deposit account number:

02-4800

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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.

Platon N. Mandros
Name of Person Signing

[Signature]
Signature

December 8, 1999
Date

Total number of pages including cover sheet, attachments, and document: 3

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

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(09/99)

PATENT
REEL: 010450 FRAME: 0610

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09/456508
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12/22/1999
PEOPLES 00000021 09456508
FC:531

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**ASSIGNMENT
(JOINT)**

THIS ASSIGNMENT, by AKIHIRO GOTO, HIROCHIKA KAWAGUCHI, and YOSHIHARU TAKAHASHI residing at c/o Mitsubishi Denki Kabushiki Kaisha, 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 JAPAN. TAKAO TAKAHASHI, TAKASHI ARITA, and SATOSHI OOKYUU residing at c/o Kabushiki Kaisha KDL, Kushiyo 3-chome 13-21, Kawanishi-shi, Hyogo-ken, 666-0024, Japan, and HIROKAZU TAKI residing at Yonezaki-cho 12-35, Sijonawate-shi, Osaka-fu 575-0032, JAPAN (hereinafter referred to as the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in CIRCUIT WIRING SYSTEM, CIRCUIT WIRING METHOD, SEMI-CONDUCTOR PACKAGE, AND SEMI-CONDUCTOR PACKAGE SUBSTRATE set forth in an application for Letters Patent of the United States, [] which is a provisional application to be filed herewith; [x] which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; [] bearing Application No. _____, and filed on _____; and

WHEREAS, Mitsubishi Denki Kabushiki Kaisha a corporation duly organized under and pursuant to the laws of Japan, and having its principal place of business at 2-3, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8310 JAPAN. (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said applications, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of

