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IN COVER SHEET

To the Assistant Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

1. Name of conveying party(ies):

Kenichi KOYANAGI
Hiroshi SAKUMA

Type of Entity: Individuals

Additional names(s) of conveying party(ies) attached? No

2. Name and Address of receiving party(ies):

Elpida Memory, Inc.
2-1, Yaesu 2-chome, Chuo-ku
Tokyo, Japan

Type of Entity: Corporation of Japan

Additional name(s) & address(es) attached? No

3. Nature of Conveyance:

Assignment

Execution Date: July 10, 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: July 10, 2003

A. Application No.(s)

10,630,444

B. Patent No.(s)

Additional numbers attached? No

5. Name and address of party to whom
correspondence concerning document should
be mailed:OSTROLENK, FABER, GERB & SOFFEN,
LLP
1180 Avenue of the Americas
New York, New York 10036-8403

6. Total number of documents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

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8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached
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Name of Person Signing

Signature

July 29, 2003

Date

Total number of pages including cover sheet, attachments, and document: 2

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PATENT
REEL: 014359 FRAME: 0186

U.S. ASSIGNMENT - (SOLE OR JOINT) OFGS FILE NO. _____
 LETTERS OR DESIGN PATENT APPLICATION
 EXECUTED OUTSIDE U.S.A.

WHEREAS, I (We) KENICHI KOYANAGI and HIROSHI SAKUMA of
Tokyo, Japan
 as assignor(s), have invented certain improvements in
METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE
 for which an application for United States Patent
 has been executed by me (us) of even date herewith
 and whereas
Elpida Memory, Inc., 2-1, Yaesu 2-chome, Chuo-ku, Tokyo, Japan

as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledge, I, as assignor, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents is hereby authorized and requested to issue all patents on said invention or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for myself and my legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said invention and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said invention, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid said assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all countries, the expenses incident to said applications to be borne and paid by said assignee.

Dated: July 10. 2003

Kenichi Koyanagi
 KENICHI KOYANAGI

Hiroshi Sakuma
 HIROSHI SAKUMA

Witness:

Takashi Ozawa
[Signature]

RECORDED: 07/29/2003

PATENT OE 481
 REEL: 014359 FRAME: 0187