

3:3004



1. Name of conveying party(ies):

Gen KOSHITA

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

102714308

Receiving party(ies)

Name: Elpida Memory, Inc.

Internal Address: _____

Street Address: 2-1, Yaesu 2-chome

Chuo-ku, Tokyo, JAPAN

Additional name(s) & address(es) attached? Yes ___ No (X)

3. Nature of conveyance:

- Assignment () Merger
- () Security Agreement () Change of Name
- () Other:

Execution Date: March 23, 2004

4. Application number(s) or patent number(s):

10813761

If this document is being filed together with a new application, the execution date of the applications is: March 23, 2004

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached? Yes ___ No X

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

Name: Patent Group
 Internal Address: Choate, Hall & Stewart
 Street Address: Exchange Place, 53 State Street
 City: Boston State: MA ZIP: 02109-2804

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

8. Deposit account number:

(Attached duplicate copy of this page if paying by deposit account)

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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.

Donald W. Muirhead: 33,978
 Name of Person Signing

Signature

March 30, 2004
 Date

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

Mail documents to be recorded with required covered sheet information to:
 Director of the U.S. Patent & Trademark Office, Mail Stop Assignment Recordation Services
 P.O. Box 1450, Alexandria, VA 22313-1450

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ASSIGNMENT

WHEREAS, each of the undersigned has developed certain inventions described in a U.S. patent application entitled:

BOOSTING CIRCUIT AND SEMICONDUCTOR DEVICE USING THE SAME

- (x) executed on even date herewith;
- () executed on _____;
- () now U.S. Patent No. _____ filed on _____;

and has full right to convey their entire interest both legal and equitable in and to said inventions free from all prior assignments, agreements, licenses, mortgages, security interests, or other encumbrances whatsoever; and



WHEREAS Elpida Memory, Inc., 2-1, Yaesu 2-chome, Chuo-ku, Tokyo, Japan, is desirous of acquiring the entire right, title and interest in and to said invention or inventions and any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by each of the undersigned, each of the undersigned hereby sells, assigns, transfers and sets over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to said invention or inventions, as described in the aforesaid application, and all applications resulting therefrom, including any and all divisionals, continuations, continuations-in-part, substitute applications, and reissues or extensions thereof; and all resulting patents;

AND, each of the undersigned hereby authorizes and requests the issuing authority to issue any and all patents on said application or applications to said ASSIGNEE or its successors and assigns; each of the undersigned agrees that the attorney of record shall hereinafter act on behalf of said ASSIGNEE;

AND, each of the undersigned further agrees, without any further payment or compensation by said ASSIGNEE or its successors and assigns, to communicate to said ASSIGNEE, its representatives or agents or its successors and assigns, any facts relating to said invention or inventions including evidence for interference purposes or for other legal proceedings whenever requested; to testify in any interference or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally to do everything possible to aid said ASSIGNEE, its successors or assigns and nominees to secure, obtain and enforce proper patent protection for said invention or inventions in this or any foreign country;

Each of the undersigned hereby authorizes Choate, Hall & Stewart of Exchange Place, 53 State Street, Boston Ma. 02109, to insert hereon any further identification information necessary or desirable for recordation of this document.

<u>Inventor(s)</u>	<u>Date Signed</u>	<u>Witness</u>
1. <u>Gen Koshita</u>  Name: <u>Gen KOSHITA</u>	<u>March 23,</u> <u>2004</u>	<u>Takashi Ozawa</u> 
2. _____ Name: _____	_____	_____
3. _____ Name: _____	_____	_____
4. _____ Name: _____	_____	_____

() Additional inventors are being named on a separate sheet attached hereto

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