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Yoshiro RIHO
Yutake ITO

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

ELPIDA MEMORY, INC
2-1, Yaesu 2-chome
Chuo-ku, Tokyo 104-0028 Japan

113014 U.S. PTO
11/097247



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

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Execution Date: March 9, 2005

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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: March 9, 2005

A. Patent Application No.(s)
Not Assigned

B. Patent No.(s)

Additional numbers attached? Yes No

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

SUGHRUE MION, PLLC
WASHINGTON OFFICE
23373
CUSTOMER NUMBER

6. Total number of applications and patents involved:

1

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Assignment


Whereas, I/We,
Yoshiro RIHO of c/o Elpida Memory, Inc., 2-1, Yaesu 2-chome, Chuo-ku, Tokyo 104-0028 JAPAN,
Yutaka ITO of c/o Elpida Memory, Inc., 2-1, Yaesu 2-chome, Chuo-ku, Tokyo 104-0028 JAPAN,
hereinafter called assignor(s), have invented certain improvements in
SEMICONDUCTOR STORAGE DEVICE AND METHOD OF CONTROLLING
REFRESHING OF SEMICONDUCTOR STORAGE DEVICE
and executed an application for Letters Patent of the United States of America therefor on _____; and


Whereas,
Elpida Memory Inc., a corporation organized and existing under the laws of Japan,
having a place of business at 2-1, Yaesu 2-chome, Chuo-ku, Tokyo 104-0028 JAPAN
hereinafter referred to as "assignee", desires to acquire the entire right, title, and interest in the
application and invention, and to any United States patents to be obtained therefor;

Now therefore, for valuable consideration, receipt whereof is hereby acknowledged,
I/We, the above named assignor(s), hereby sell, assign and transfer to the above named
assignee, its successors and assigns, the entire right, title and interest in the application and the
invention disclosed therein for the United States of America, including the right to claim priority
under 35 U.S.C. §119, and I/we request the Director of the U.S. Patent and Trademark Office to
issue any Letters Patent granted upon the invention set forth in the application to the assignee, its
successors and assigns; and I/we will execute without further consideration all papers deemed
necessary by the assignee in connection with the United States application when called upon to do
so by the assignee.

I/We hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application
number _____ and Confirmation number _____,
filed _____) the application number and filing date of said
application when known.

Date: 3/9/2005 Yoshiro Riho 
s/ Yoshiro RIHO

Date: 3/9/2005 Yutaka Ito 
s/ Yutaka ITO

WITNESS
Date: _____ Masaki Kawaguchi 
s/ Masaki KAWAGUCHI

WITNESS
Date: _____ Akira MUTO
s/ Akira MUTO

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