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1. Name of conveying party(ies):
Kiyohiro FURUTANI

2. Name and address of receiving party(ies):
Name: ELPIDA MEMORY, INC.
Address: 2-1, Yaesu 2-chome, Chuo-ku

Additional names(s) of conveying party(ies) Yes No

3. Nature of conveyance/Execution Date(s):
Execution Date(s): December 3, 2009

City: Tokyo
State/Prov.: _____
Country: Japan ZIP: _____

- Assignment Merger
- Security Agreement Change of Name
- Joint Research Agreement
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

Additional name(s) & address(es) Yes No

4. Application or patent numbers(s):
A. Patent Application No. (s)

This document is being filed together with a new application
B. Patent No.(s)

Additional numbers attached? Yes No

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

6. Total number of applications and patents involved: One (1)

Name: Sean M. McGinn, Esq.
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7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

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- None required (government interest not affecting title)

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 Authorized User Name Sean M. McGinn

Signature:

December 10, 2009
Date

Sean M. McGinn, Esq.
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ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

Kiyohiro FURUTANI of

NAME AND ADDRESS
OF ASSIGNOR

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

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented
and own a certain new and useful invention entitled:

TITLE OF INVENTION:

SEMICONDUCTOR DEVICE WITH REFRESH CONTROL CIRCUIT

WHEREAS

FULL NAME AND ADDRESS
OF ASSIGNEE

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

(hereinafter referred to as ASSIGNEE), is desirous of acquiring
the entire right, title, and interest in, to and under said
invention and the United States Letters Patent to be obtained
therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN: Be
it known that in consideration of the payment of ASSIGNEE to
ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of
which is hereby acknowledged, and for other good and valuable
consideration, ASSIGNOR, by these presents, hereby sells,
assigns and transfers to ASSIGNEE the entire and exclusive
right, title and interest to said invention and all Letters Patent
of the United States to be obtained therefor on said application
or any continuation, division, renewal, substitute or reissue
thereof for the full term or terms for which the same may be
granted.

ASSIGNOR hereby authorizes and requests the Commissioner
of Patents and Trademarks to issue said Letters Patent of the
United States Patent obtained therefor on said application or any
(Assignment of Application for Patent -- page 1 of 2)

PATENT

REEL: 023694 FRAME: 0419

continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 3rd day of December, 2009.

SIGNATURE

By: Kiyohiro Furutani 
Kiyohiro FURUTANI

SIGNATURE

By: _____

SIGNATURE

By: _____

SIGNATURE

By: _____



SIGNATURE

By: _____

SIGNATURE

By: _____

WITNESSES

(Assignment of Application for Patent -- page 2 of 2)