

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT																
NATURE OF CONVEYANCE:	ASSIGNMENT																
CONVEYING PARTY DATA																	
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Masanori YOSHIDA</td><td>12/07/2010</td></tr><tr><td>Daisuke TSUJI</td><td>12/07/2010</td></tr><tr><td>Masahito YAMATO</td><td>12/07/2010</td></tr><tr><td>Jun SASAKI</td><td>12/07/2010</td></tr><tr><td>Kaoru SONOBE</td><td>12/07/2010</td></tr><tr><td>Akira IDE</td><td>12/07/2010</td></tr><tr><td>Masahiro YAMAGUCHI</td><td>12/07/2010</td></tr></tbody></table>		Name	Execution Date	Masanori YOSHIDA	12/07/2010	Daisuke TSUJI	12/07/2010	Masahito YAMATO	12/07/2010	Jun SASAKI	12/07/2010	Kaoru SONOBE	12/07/2010	Akira IDE	12/07/2010	Masahiro YAMAGUCHI	12/07/2010
Name	Execution Date																
Masanori YOSHIDA	12/07/2010																
Daisuke TSUJI	12/07/2010																
Masahito YAMATO	12/07/2010																
Jun SASAKI	12/07/2010																
Kaoru SONOBE	12/07/2010																
Akira IDE	12/07/2010																
Masahiro YAMAGUCHI	12/07/2010																
RECEIVING PARTY DATA																	
<table border="1"><tr><td>Name:</td><td>Elpida Memory, Inc.</td></tr><tr><td>Street Address:</td><td>2-1, Yaesu 2-chome, Chuo-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>104-0028</td></tr></table>		Name:	Elpida Memory, Inc.	Street Address:	2-1, Yaesu 2-chome, Chuo-ku	City:	Tokyo	State/Country:	JAPAN	Postal Code:	104-0028						
Name:	Elpida Memory, Inc.																
Street Address:	2-1, Yaesu 2-chome, Chuo-ku																
City:	Tokyo																
State/Country:	JAPAN																
Postal Code:	104-0028																
PROPERTY NUMBERS Total: 1																	
<table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>12969909</td></tr></tbody></table>		Property Type	Number	Application Number:	12969909												
Property Type	Number																
Application Number:	12969909																
CORRESPONDENCE DATA																	
Fax Number: (202)672-5399 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>																	
Phone: 202-672-5300																	
Email: rhale@foley.com																	
Correspondent Name: FOLEY AND LARDNER LLP																	
Address Line 1: 3000 K STREET NW																	
Address Line 4: Washington, MARYLAND 20007																	
ATTORNEY DOCKET NUMBER:	099027-0127																

OP \$40.00 12969909

501382992

PATENT  
REEL: 025518 FRAME: 0925

NAME OF SUBMITTER:

Effie Hale for George C. Beck

Total Attachments: 2

source=Assignment#page1.tif

source=Assignment#page2.tif

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Elpida Memory, Inc., 2-1, Yaesu 2-chome, Chuo-ku, Tokyo 104-0028 Japan

(hereinafter ASSIGNEE) its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions in and to this invention relating to

**SEMICONDUCTOR DEVICE CAPABLE OF SUPPRESSING GENERATION OF CRACKS  
IN SEMICONDUCTOR CHIP DURING MANUFACTURING PROCESS**

as set forth in this United States Patent Application

*Check  
one*

☒ executed concurrently herewith  
☐ executed on \_\_\_\_\_  
☐ Serial No. 12/969,909 Filed 12/16/2010  
 and

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES AND REQUESTS the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE as assignee of the entire interest, for the sole use and benefit of ASSIGNEE, its successors and assigns.

ASSIGNOR HEREBY AGREES (a) to communicate to ASSIGNEE, its successors and assigns, or their representative or agents, all facts and information known or available to ASSIGNOR respecting said invention or inventions, improvements, and modifications including evidence for interference, reexamination, reissue, opposition, revocation, extension, or infringement purposes or other legal, judicial, or administrative proceedings, whenever requested by ASSIGNEE; (b) to testify in person or by affidavit as required by ASSIGNEE, its successors and assigns, in any such proceeding in the United States; (c) to execute and deliver, upon request by ASSIGNEE, all lawful papers including, but not limited to, original, divisional, continuation, and reissue applications, renewals, assignments, powers of attorney, oaths, affidavits, and declarations, depositions; and (d) to provide all reasonable assistance to ASSIGNEE, its successors and assigns, in obtaining and enforcing proper title in and


protection for said invention or inventions, improvements, and modifications under the intellectual property laws of the United States.


ASSIGNOR HEREBY REPRESENTS AND WARRANTS that ASSIGNOR has the full and unencumbered right to sell, assign, and transfer the interests sold, assigned, and transferred herein, and that ASSIGNOR has not executed and will not execute any document or instrument in conflict herewith.


ASSIGNOR HEREBY GRANTS to the law firm of **Foley & Lardner LLP** the power and authority to insert in this Assignment any further identification which may be necessary or desirable to comply with the rules of the U.S. Patent and Trademark Office for recordation of this Assignment.


ASSIGNOR UNDERSTANDS AND AGREES that the attorneys and agents of the law firm of **Foley & Lardner LLP** do not personally represent ASSIGNOR OR ASSIGNOR's legal interests, but instead represent the interests of ASSIGNEE; since said attorneys and agents cannot provide legal advice to ASSIGNOR with respect to this Assignment, ASSIGNOR acknowledges its right to seek its own independent legal counsel.

**NAME AND SIGNATURE OF INVENTOR(S)**


NAME: Masanori YOSHIDA SIGNATURE: Masanori Yoshida  DATE: December 7, 2010

NAME: Daisuke TSUJI SIGNATURE: Daisuke Tsuji  DATE: December 7, 2010

NAME: Masahito YAMATO SIGNATURE: Masahito Yamato  DATE: December 7, 2010

NAME: Jun SASAKI SIGNATURE: Jun Sasaki  DATE: December 7, 2010

NAME: Kaoru SONOBE SIGNATURE: Kaoru Sonobe  DATE: December 7, 2010

NAME: Akira IDE SIGNATURE: Akira Ide  DATE: December 7, 2010


NAME: Masahiro YAMAGUCHI SIGNATURE: Masahiro Yamaguchi  DATE: December 7, 2010

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

**NAME AND SIGNATURE OF WITNESSES**

NAME: Shoji EGUCHI SIGNATURE: Shoji Eguchi  DATE: December 7, 2010

NAME: Akira MUTO SIGNATURE: Akira Muto  DATE: December 7, 2010

Note: *Prima facie* evidence of execution may optionally be obtained by execution of this document before a U.S. Consul or before a local officer authorized to administer oaths whose authority is proved by certificate from a U.S. Consul.