

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
Katsuhiko KITAGAWA	07/15/2011
Shotaro KOBAYASHI	07/15/2011
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	ELPIDA MEMORY, INC.
<b>Street Address:</b>	2-1, Yaesu 2-chome, Chuo-ku
<b>City:</b>	Tokyo
<b>State/Country:</b>	JAPAN
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	13213913
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)293-7860
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>	
<b>Phone:</b>	202-293-7060
<b>Email:</b>	sahmed@sughrue.com
<b>Correspondent Name:</b>	SUGHRUE MION, PLLC
<b>Address Line 1:</b>	2100 PENNSYLVANIA AVENUE, N.W.
<b>Address Line 2:</b>	SUITE 800
<b>Address Line 4:</b>	WASHINGTON, DISTRICT OF COLUMBIA 20037
<b>ATTORNEY DOCKET NUMBER:</b>	Q125954
<b>NAME OF SUBMITTER:</b>	Sahar A. Ahmed, New App Specialist
<b>Total Attachments: 1</b> source=ASSIGNMENT_EXECUTED#page1.tif	

OP \$40.00 13213913

### Assignment

Whereas, I/We, Katsuhiro KITAGAWA and Shotaro KOBAYASHI of Tokyo, Japan,  
respectively,

hereinafter called assignor(s), have invented certain improvements in

SEMICONDUCTOR DEVICE AND CONTROL METHOD THEREOF  
and executed an application for Letters Patent of the United States of America therefor on  
July 15, 2011; and

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

(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 – 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 MIION, PLLC of 2100  
Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses  
(Application number 13/213,913 and Confirmation number  
9171, filed August 19, 2011) the filing date and application  
number of said application when known.

Date: July 15, 2011 Katsuhiro Kitagawa  
s/ Katsuhiro KITAGAWA

Date: July 15, 2011 Shotaro Kobayashi  
s/ Shotaro KOBAYASHI

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Witnesses:

Date: July 15, 2011 [Signature]

Date: \_\_\_\_\_

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261)