

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>Kazuya ISHIHARA</td> <td>08/28/2013</td> </tr> <tr> <td>Yukio TAMAI</td> <td>08/28/2013</td> </tr> <tr> <td>Takashi NAKANO</td> <td>08/28/2013</td> </tr> <tr> <td>Akiyoshi SEKO</td> <td>08/28/2013</td> </tr> </tbody> </table>		Name	Execution Date	Kazuya ISHIHARA	08/28/2013	Yukio TAMAI	08/28/2013	Takashi NAKANO	08/28/2013	Akiyoshi SEKO	08/28/2013
Name	Execution Date										
Kazuya ISHIHARA	08/28/2013										
Yukio TAMAI	08/28/2013										
Takashi NAKANO	08/28/2013										
Akiyoshi SEKO	08/28/2013										
RECEIVING PARTY DATA											
<table border="1"> <tr> <td>Name:</td> <td>Sharp Kabushiki Kaisha</td> </tr> <tr> <td>Street Address:</td> <td>22-22, Nagaïke-cho, Abeno-ku, Osaka-shi</td> </tr> <tr> <td>City:</td> <td>Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>545-8522</td> </tr> </table>		Name:	Sharp Kabushiki Kaisha	Street Address:	22-22, Nagaïke-cho, Abeno-ku, Osaka-shi	City:	Osaka	State/Country:	JAPAN	Postal Code:	545-8522
Name:	Sharp Kabushiki Kaisha										
Street Address:	22-22, Nagaïke-cho, Abeno-ku, Osaka-shi										
City:	Osaka										
State/Country:	JAPAN										
Postal Code:	545-8522										
<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>13959267</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13959267						
Property Type	Number										
Application Number:	13959267										
CORRESPONDENCE DATA											
Fax Number:											
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Email:	ILS@nixonvan.com										
Correspondent Name:	Nixon & Vanderhye P.C.										
Address Line 1:	901 N. Glebe Road										
Address Line 2:	Suite 1100										

OP \$40.00 13959267

Address Line 4: Arlington, VIRGINIA 22203

ATTORNEY DOCKET NUMBER: 4494-80

NAME OF SUBMITTER: H. Warren Burnam, Jr.

Signature: /H. Warren Burnam, Jr./

Date: 09/09/2013

This document serves as an Oath/Declaration (37 CFR 1.63).

Total Attachments: 3

source=4494-80_Declaration_Assignment#page1.tif

source=4494-80_Declaration_Assignment#page2.tif

source=4494-80_Declaration_Assignment#page3.tif

Attorney Docket Number	- -
First Named Inventor	Kazuya ISHIHARA

INVENTOR'S DECLARATION AND ASSIGNMENT FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63) USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Declaration Submitted With Initial Filing

OR

Declaration Submitted After Initial Filing (surcharge (37 C.F.R. § 1.16(f)) required)

SEMICONDUCTOR MEMORY DEVICE

(Title of the invention)

As a below named inventor, I hereby declare that:

This declaration is directed to:

The attached application,

OR

United States Application Number 13/959,267 or PCT international application number _____
filed on August 5, 2013

The above-identified application was made or authorized to be made by me.

I believe I am the original inventor or an original joint inventor of a claimed invention in the application.

I hereby acknowledge that any willful false statement made in this declaration is punishable under 18 U.S.C. 1001 by fine or imprisonment of not more than five (5) years, or both.

WHEREAS, the undersigned (hereinafter ASSIGNOR), has made an invention in the Application identified above.

WHEREAS, SHARP KABUSHIKI KAISHA, (hereinafter ASSIGNEE), a corporation of the State of Japan, having an office and place of business at 22-22, Nagaika-cho, Abeno-ku, Osaka-shi, Osaka 545-8522, Japan, and,

ELPIDA MEMORY INC. (hereinafter ASSIGNEE), a corporation of the State of Japan, having an office and place of business at 2-1, Yaesu 2-chome, Chuo-ku, Tokyo 104-0028, Japan, respectively,

is desirous of acquiring an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR by these presents hereby sells, assigns, and transfers unto the said ASSIGNEE, its successors, assigns, and legal representatives, ASSIGNOR'S entire right, title and interest in the United States of America and all foreign countries, in and to the invention as described in the aforesaid application, and to the said application and to all subsequent applications based thereon including any and all continuations, divisions, reissues, and substitutes of said application, and all resulting patents, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and the ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns, and legal representatives. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vandertoye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

ASSIGNOR hereby agrees to transfer a like interest upon request of said ASSIGNEE, its successors, assigns, and legal representatives, and without further remuneration, in and to any improvements, and applications for patents based thereon, growing out of or related to the said invention;

ASSIGNOR hereby agrees to execute any papers by ASSIGNEE, its successors, assigns, and legal representatives, deemed essential to ASSIGNEE'S full protection and title in and to the invention hereby transferred; and

ASSIGNOR hereby agrees, upon request of ASSIGNEE, and without further remuneration, to execute any and all papers desired by ASSIGNEE, for the filing and granting of foreign applications and the perfecting of title thereto in ASSIGNEE.

AGREED and executed as noted below:

LEGAL NAME OF SOLE OR FIRST INVENTOR:

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Kazuya

ISHIHARA

Inventor's Signature:

Kazuya Ishihara

Date:

August 28, 2013

Additional inventors are being named on the _____ supplemental sheet(s) PTO/AIA/10 attached hereto

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56.

SUPPLEMENTAL SHEET FOR DECLARATION AND ASSIGNMENT	ADDITIONAL INVENTOR(S) Supplemental Sheet (for PTO/AIA/08/09) (Page 2 of 3)
--	---

Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Yukio	TAMAI
Inventor's Signature: <i>Yukio Tamai</i>	Date: <i>August 20, 2013</i>

Legal Name of Additional Joint Inventor, if any:	
(E.g., Given Name (first and middle (if any)) and Family Name or Surname)	
Takashi	NAKANO
Inventor's Signature: <i>Takashi Nakano</i>	Date: <i>August 20, 2013</i>

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56.

SUPPLEMENTAL SHEET FOR DECLARATION
AND ASSIGNMENTADDITIONAL INVENTOR(S)
Supplemental Sheet (for PTO/AIA/08/09)

(Page 3 of 3)

Legal Name of Additional Joint Inventor, if any:

(E.g., Given Name (first and middle (if any)) and Family Name or Surname)

Akiyoshi

SEKO

Inventor's
Signature:*Akiyoshi Seko*

Date:

August 28, 2013

Note: PTO Rules state "A person may not execute an oath or declaration for an application unless that person has reviewed and understands the contents of the application, including the claims, and is aware of the duty to disclose to the Office all information known to the person to be material to patentability as defined in [37 CFR] § 1.56.