



04-09-2009



Docket No.: 083731-0011

103555954

To the Director of the U. S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

## 1. Name of Conveying Party(ies)

Akira IDE, Yasuhiro TAKAI, Akira KOTABE, Tomonori  
SEKIGUCHI, Riichiro TAKEMURA, Satoru AKIYAMAAdditional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

## 3. Nature of Conveyance/Execution Date(s)

Execution Date(s): January 7, 2009

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

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

Name: ELPIDA MEMORY, INC.

Internal Address:

Address: 2-1, Yaesu 2-chome, Chuo-ku, Tokyo, Japan

Additional name(s) & address(es) attached? ☐ Yes ☐ No

## 4. Application or patent number(s):

A. Patent Application No(s).

12/314,207

☐ 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:

Name: MCDERMOTT WILL &amp; EMERY LLP

Internal Address:

Street Address: 600 13th Street, N.W.

City: Washington State: D. C. Zip: 20005-3096

Phone Number: 202.756.8000

Fax Number: 202.756.8087

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## 6. Total number of applications and patents involved: 1

## 7. Total fee (37 CFR 1.21(h) &amp; 3.41) \$40.00

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

## 8. Payment Information:

- a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 500417  
Authorized Signature \_\_\_\_\_ 00000041 500417 12314207

01 FC10021 40.00 DA

## 9. Signature.

Stephen A. Becker 26,527

April 2, 2009

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments and documents: 2

PATENT

REEL: 022501 FRAME: 0109

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- |                           |                        |                               |                                |
|---------------------------|------------------------|-------------------------------|--------------------------------|
| (1) <u>Akira IDE</u>      | <u>of Tokyo, Japan</u> | (4) <u>Tomonori SEKIGUCHI</u> | <u>of Tama, Japan</u>          |
| (2) <u>Yasuhiro TAKAI</u> | <u>of Tokyo, Japan</u> | (5) <u>Riichiro TAKEMURA</u>  | <u>of Los Angeles, CA, USA</u> |
| (3) <u>Akira KOTABE</u>   | <u>of Hino, Japan</u>  | (6) <u>Satoru AKIYAMA</u>     | <u>of Sagamihara, Japan</u>    |

who have made a certain new and useful invention, hereby sell, assign and transfer unto

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

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled TIMING CONTROL CIRCUIT, TIMING GENERATION SYSTEM, TIMING CONTROL METHOD AND SEMICONDUCTOR MEMORY DEVICE







(a) for which an application for United States Letters Patent was filed on December 05, 2008, and identified by United States Serial No. 12/314,207; or

(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

SIGNED on the dates indicated aside our signatures:

INVENTORS	DATE SIGNED
1) <u>Akira Ide</u>  Name: Akira IDE	<u>Jan. 07, 2009</u>
2) <u>Yasuhiro Takai</u>  Name: Yasuhiro TAKAI	<u>Jan. 07, 2009</u>
3) <u>Akira Kotabe</u>  Name: Akira KOTABE	<u>Jan. 07, 2009</u>
4) <u>Tomonori Sekiguchi</u>  Name: Tomonori SEKIGUCHI	<u>Jan. 07, 2009</u>
5) <u>Riichiro Takemura</u>  Name: Riichiro TAKEMURA	<u>Jan. 07, 2009</u>
6) <u>Satoru Akiyama</u>  Name: Satoru AKIYAMA	<u>Jan. 07, 2009</u>

WITNESSES

Shoji Spul  
Hiroaki Nakaya

PATENT