

PATENT ASSIGNMENT

Electronic Version v1.1

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| SUBMISSION TYPE: | NEW ASSIGNMENT |
| NATURE OF CONVEYANCE: | ASSIGNMENT |
| CONVEYING PARTY DATA | |
| Name | Execution Date |
| Katsuhiro KITAGAWA | 03/15/2010 |
| RECEIVING PARTY DATA | |
| 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 | |
| Property Type | Number |
| Application Number: | 12708734 |
| CORRESPONDENCE DATA | |
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| NAME OF SUBMITTER: | Eric Jensen |
| Total Attachments: 1 source=ASSMT#page1.tif | |

OP \$40.00 12708734

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PATENT
REEL: 024129 FRAME: 0768

ASSIGNMENT

WHEREAS,

Katsuhiro KITAGAWA

hereafter referred to as "applicant(s)", have invented certain new and useful improvements in
SEMICONDUCTOR DEVICE HAVING OUTPUT DRIVER

- (a) for which an application for a United States patent was filed on
February 19, 2010, Application No. **12/708,734**, or
- (b) for which an application for a United States patent was executed on
_____.

WHEREAS, **Elpida Memory, Inc.**,

whose address is **2-1, Yaesu 2-chome, Chuo-ku, Tokyo 104-0028, Japan**,

hereinafter referred to as "assignee(s)", is desirous of acquiring the entire right, title and interest in and to the same,

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, applicant(s), by these presents, do(es) hereby sell, assign and transfer unto said assignee(s) the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all patents which may be granted therefor in the United States, for its sole use and behoof, and for the use and behoof of its legal representatives, to the full end of the term for which said patents may be granted, as fully and entirely as the same would have been held by applicant(s) had this assignment and sale not been made.

Applicant(s) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue said United States patents to said assignee(s).

Date 15 / Mar / 2010

Katsuhiro Kitagawa
(signature) Katsuhiro KITAGAWA



Date _____

(signature) _____

Date _____

(signature) _____

Date _____

(signature) _____

Date _____

(signature) _____