U.S. PTO 12/003325

12/21/2007

M PTO-1595 (Modified) . 03-01)

No. 0651-0027 (exp.5/31/2002) VREV04

103472673

01-04-2008

Docket No.: OSP-24743

U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

| o settings • • • • • • | ▼ ▼ ▼ |
|--|---|
| To the Director of the United States Patent and Trademark Of | fice: Please record the attached original documents or copy thereof. |
| Name of conveying party(ies): | 2. Name and address of receiving party(ies): |
| Tatsuya MATANO | Name: Elpida Memory, Inc. |
| | Address: 2-1, Yaesu 2-chome, Chuo-ku, |
| . Iditional names(s) of conveying party(ies) | |
| | |
| Nature of conveyance: | |
| Assignment | |
| Security Agreement | City: Tokyo State/Prov.: |
| Other | Country: Japan ZIP: |
| Recution Date: December 21, 2007 | Additional accordance in the second se |
| | Additional name(s) & address(es) |
| Application number(s) or patent numbers(s): | |
| nis document is being filed together with a new application, | the execution date of the application is: December 21, 2007 |
| Patent Application No. Filing date | B. Patent No.(s) |
| | |
| | |
| | |
| | |
| Additional numbers | ☐ Yes ☒ No |
| Name and address of party to whom correspondence concerning document should be mailed: | 6. Total number of applications and patents involved: |
| Name: Sean M. McGinn, Esq. | 7. Total fee (37 CFR 3.41):\$ 40.00 |
| Registration No 34,386 | ☑ Enclosed - Any excess or insufficiency should be |
| Address: McGinn Intellectual Property Law Group, PLLC | credited or debited to deposit account |
| | Authorized to be charged to deposit account |
| 321 Old Courthouse Road, Suite 200 | 8. Deposit account number: |
| | |
| City: Vienna State/Prov.: Virginia | 50-0481 (Deficiencies Only) |
| Country: USA ZIP: 22182 | (Attach duplicate copy of this page if paying by deposit account) |
| | T USE THIS SPACE OF FC:8021 40.00 OF |
| Statement and signature. | mation is true and correct and any attached copy is a true copy |
| To the best of my knowledge and belief, the follogoing lines. | - (1111/0× |
| Sean M. McGinn, Esq. | December 21, 2007 |
| Name of Person Signing | Signature Date |
| Total number of pages including of | over sheet, attachments, and document: |

Mail documents to be recorded with required cover sheat information to:
Mail Stop Assignment Recordation Services
Director of the United States Patent and Trademark Office
P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS

NAME AND ADDRESS OF ASSIGNOR

Tatsuya MATANO c/o Elpida Memory, Inc., 2-1, Yaesu 2-chome, Chuo-ku, Tokyo, Japan

(HEREINAFTER REFERRED TO AS ASSIGNOR), have invented and own a certain new and useful invention entitled:

TITLE OF INVENTION:

BOOSTING CHARGE PUMP CIRCUIT

WHEREAS

FULL NAME AND ADDRESS OF ASSIGNEE Elpida Memory, Inc. 2-1, Yaesu 2-chome, Chuo-ku, Tokyo, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire right, title, and interest in, to and under said invention and the United States Letters Patent to be obtained therefor:

NOW THEREFORE, TO ALL WHOM IT MAY CONCERN:

Be

it known that in consideration of the payment of ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR, by these presents, hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted.

ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent of the

United States Patent obtained therefor on said application or any (Assignment of Application for Patent -- page 1 of 2)

PATENT REEL: 020328 FRAME: 0210 continuation, division, renewal, substitute or reissue thereof for the full term or terms to said ASSIGNEE, of the entire right, title, and interest in and to the same, for his sole use and behoof, and for the use and behoof of his legal representatives, to the full end of the term or terms for which said Letters Patent obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for may be granted, as full and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

DATE OF SIGNING

IN WITNESS WHEREOF, I/We have hereunto set

hand and seal this 21st day of December, 2007

| SIGNATURE 5 | teuya Motano By: Tatsuya MATANO |
|--|---------------------------------|
| SIGNATURE | Ву: |
| SIGNATURE | By: |
| SIGNATURE | Ву: |
| SIGNATURE | Ву: |
| SIGNATURE | Ву: |
| WITNESSES | Jako Fujís Takes FOJIT |
| (Assignment of Application for Patent page 2 of 2) | |

PATENT REEL: 020328 FRAME: 0211

RECORDED: 12/21/2007