

Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 6/30/2008)

10-07-2009

DEPARTMENT OF COMMERCE
Patent and Trademark Office

RECOI



Docket No. XA-10573

103576427

To the Director of the U.S. Patent and Trademark Office, Patent and Trademark Office, or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

HANZAWA, Satoru
SHIGETA, Junji
KIMURA, Shinichiro
SAKATA, Takeshi
TAKEMURA, Riichiro
KAJIGAYA, Kazuhiko

Execution Date(s): 5/15/2006; 5/23/2006; 5/17/2006;
5/15/2006; 5/15/2006; 5/16/2006

Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

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

2. Name and address of receiving party(ies)

Name: Hitachi, Ltd.Address: 6-6, Marunouchi 1-chomeCity: Chiyoda-kuState: TokyoCountry: Japan Zip: 100-8280

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

4. Application or patent number(s):

A. Patent Application No.(s)

PCT/JP03/14901 filed 11/21/2003
(now U.S. Appl. No. 10/579,911)

☐ 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: Mitchell W. ShapiroRegistration No.: 31,568Address: Miles & Stockbridge P.C.1751 Pinnacle DriveSuite 500City: McLeanState: Virginia Zip: 22102Phone Number: 703-610-8652Fax Number: 703/610-8686Email Address: mwshapiro@milestockbridge.com6. Total number of applications and patents involved: 17. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

☐ Authorized to be charged to deposit account

☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 50-1165Authorized User Name Mitchell W. Shapiro9. Signature: Mitchell W. ShapiroMitchell W. Shapiro

Name of Person Signing

Date April 9, 2007

Total Number of pages including cover
sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

Docket No. XA-10573

RECORDATION FORM COVER SHEET
(FORM PTO-1595) CONTINUATION SHEET

Continuation of Box 2:

Receiving Party

Name (line 1) | Elpida Memory, Inc. |
Name (line 2) | |
Address (line 1) | 2-1, Yaesu 2-chome |
Address (line 2) | Chuo-ku, Tokyo, 104-0028 |
Address (line 3) | Japan |

Receiving Party

Name (line 1) | |
Name (line 2) | |
Address (line 1) | |
Address (line 2) | |
Address (line 3) | |

Receiving Party

Name (line 1) | |
Name (line 2) | |
Address (line 1) | |
Address (line 2) | |
Address (line 3) | |

ASSIGNMENT

(譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Satoru HANZAWA, Junji SHIGETA, Shinichiro KIMURA, Takeshi SAKATA, Riichiro TAKEMURA and Kazuhiko KAJIGAYA, Citizen(s) of Japan by HITACHI, LTD., and Elpida Memory, Inc., corporation(s) organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280 Japan, and 2-1, Yaesu 2-chome, Chuo-ku, Tokyo 104-0028 Japan, respectively, receipt of which is hereby acknowledged, we/I, the said Satoru Hanzawa, Junji SHIGETA, Shinichiro KIMURA, Takeshi SAKATA, Riichiro TAKEMURA and Kazuhiko KAJIGAYA, do hereby sell and assign to said HITACHI, LTD., and Elpida Memory, Inc., their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

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invented by us/me and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and Elpida Memory, Inc., their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we/I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we/I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Elpida Memory, Inc.

Signed on the date(s) indicated aside signatures:

| INVENTOR(S) (発明者フルネームサイン) | Date Signed (署名日) |
|---|----------------------|
| 1) <u>Satoru Hanzawa</u> (Satoru HANZAWA) | <u>5/15/2006</u> |
| 2) <u>Junji Shigeta</u> (Junji SHIGETA) | <u>5/23/2006</u> |
| 3) <u>Shinichiro Kimura</u> (Shinichiro KIMURA) | <u>5/17/2006</u> |
| 4) <u>Takeshi Sakata</u> (Takeshi SAKATA) | <u>5/15/2006</u> |
| 5) <u>Riichiro Takemura</u> (Riichiro TAKEMURA) | <u>5/15/2006</u> |
| 6) _____ (Kazuhiko KAJIGAYA) | _____ |
| 7) _____ | _____ |

ASSIGNMENT (譲渡証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to Satoru HANZAWA, Junji SHIGETA, Shinichiro KIMURA, Takeshi SAKATA, Riichiro TAKEMURA and Kazuhiko KAJIGAYA, Citizen(s) of Japan by HITACHI, LTD., and Elpida Memory, Inc., corporation(s) organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280 Japan, and 2-1, Yaesu 2-chome, Chuo-ku, Tokyo 104-0028 Japan, respectively, receipt of which is hereby acknowledged, we/I, the said Satoru Hanzawa, Junji SHIGETA, Shinichiro KIMURA, Takeshi SAKATA, Riichiro TAKEMURA and Kazuhiko KAJIGAYA, do hereby sell and assign to said HITACHI, LTD., and Elpida Memory, Inc., their successors and assigns, all our right, title and interest, in and for the United States of America, in and to

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invented by us/me and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., and Elpida Memory, Inc., their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we/I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we/I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., and Elpida Memory, Inc.

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| INVENTOR(S) (発明者フルネームサイン) | Date Signed (署名日) |
|---|----------------------|
| 1) _____ (Satoru HANZAWA) | _____ |
| 2) _____ (Junji SHIGETA) | _____ |
| 3) _____ (Shinichiro KIMURA) | _____ |
| 4) _____ (Takeshi SAKATA) | _____ |
| 5) _____ (Riichiro TAKEMURA) | _____ |
| 6) <u>Kazuhiko Kajigaya</u> (Kazuhiko KAJIGAYA) | <u>16 / May / 06</u> |
| 7) _____ | _____ |

PATENT

RECORDED: 04/09/2007

REEL: 023335 FRAME: 0526