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ate(s):

Additional numbers atta

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ENOMOTO, Hiroyuki HAYANO, Katsuya MACHIDA, Shuntaro

Execution Date(s): June 11, 2007, June 20, 2007, June

13, 2007

| Additional name(s) of conveying party(ies) attached? | ☐Yes 🛛 No | |
|--|-----------|---|
| | | _ |

| Nature of conveyance: | |
|-----------------------|--------|
| Assignment | Merger |

4. Application or patent number(s):

11/767,602, Filed June 25,2007

Name: Mitchell W. Shapiro Registration No.: 31,568

Phone Number: 703-610-8652 Fax Number: 703/610-8686

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9. Signature:

Mitchell W. Shapiro Name of Person Signing

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Patent Application No.(s)

5. Name and address to whom correspondence concerning document should be mailed:

__ Zip:_22102

Email Address: <u>mwshapiro@milesstockbridge.com</u>

Security Agreement Change of Name

Government Interest Assignment

Executive Order 9424, Confirmatory License

U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office

| JRM COVI | نق شد. | Docket No. | XA-10840 |
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| | se record the attached documents or the new address(es) below. |
|): | 2. Name and address of receiving party(ies) |
| | Name: <u>Hitachi</u> , <u>Ltd.</u> |
| | Address: 6-6 Marunouchi 1 chome, Chhiyoda-ku |
| <u>e</u> | |
| No | |
| | City: <u>Tokyo</u> |
| | State: |
| ame | Country: <u>Japan</u> Zip: |
| | Additional name(s) & address(es) attached? |
| | |
| This | document is being filed together with a new application. B. Patent No.(s) |
| ers atta | ched? Yes No |
| | 6. Total number of applications and patents involved: 1 |
| | 7. 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 |
| | credited of deblied to deposit account |
| | 8. Payment Information |
| — | a. Credit Card Last 4 Numbers |
| | Expiration Date |
| 1 | b. Deposit Account Number 50-1165 |
| | Authorized User Name Mitchell W. Shapiro |
| _ | Date August 8, 2007 |
| | Total Number of pages including cover |

sheet, attachments, and documents:

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

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 me citizen of Japan by Hitachi, Ltd., a corporation organized under the laws of Japan, located at 6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8280, Japan, receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

METHOD FOR MANUFACTURING SEMICONDUCTOR DEVICE AND SEMICONDUCTOR DEVICE

invented by me (if only one is named below) or us (if plural inventors are named below) 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., its 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 me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the 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 I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi, Ltd.,

Signed on the date(s) indicated aside signatures:

RECORDED: 08/08/2007

| | INVENTOR(S) | Date Signed |
|----|-------------------------------------|-------------|
| | (発明者フルネームサイン) | (署名日) |
| 1) | Hiroyuki Chomoto (Hiroyuki ENOMOTO) | 6/11/2007 |
| | Latsura (Katsuya HAYANO) | 6/20/2009 |
| | Shuntaro Machiel (Shuntaro MACHIDA) | 6/13/2007 |
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| 6) | | |
| 7) | | |
| 8) | | |

PATENT REEL: 019703 FRAME: 0290