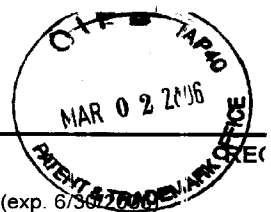


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S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

Attorney Docket No. 513.45659X00

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1. Name of conveying party(ies): Yoshiteru TAKESHIMA Takahiro OGAWA

2. Name and address of receiving party(ies) Name: HITACHI, LTD. Street Address: 6-6 Marunouchi 1-chome,, Chiyoda-ku, Tokyo Japan

Additional name(s) of conveying party(ies) attached? [ ] Yes [X] No

3. Nature of conveyance/ Execution Date: 12/20/05; 12/20/05 [X] Assignment [ ] Security Agreement [ ] Joint Research Agreement [ ] Government Interest Assignment [ ] Executive Order 9424, Confirmatory License [ ] Other [ ] Merger [ ] Change of Name

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4. Application number(s) or patent number(s): A. Patent Application No.(s) 11/291,929

[ ] This document is being filed together with a new application. B. Patent Registration No.(s)

Additional number(s) attached [ ] Yes [X] No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: ANTONELLI, TERRY, STOUT & KRAUS, LLP Internal Address: 1300 NORTH 17TH STREET - SUITE 1800 City: ARLINGTON State: VA Zip 22209 Phone Number: (703) 312-6600 Facsimile Number: (703) 312-6666 Email Address: email@antonelli.com

6. Total number of applications and patents involved [1]

7. Total fee (37 CFR 3.41)..... \$40.00 [X] Authorized to be charged by credit card [X] Authorized to be charged to deposit account [X] Enclosed [ ] None required (government interest not affecting title)

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03/02/2006 Date

Total number of pages including cover sheet, attachments, and document: [2]

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03/03/2006 HALI11 00000046 11291929

02 FC:8021 (40.00 DP)

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, 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

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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 our signatures:

INVENTOR(S)  
(発明者フルネームサイン)

Date Signed  
(署名日)

1) Yoshiteru Takeshima

Dec. 20, 2005

2) Takahiro Agawa

Dec. 20, 2005

3) \_\_\_\_\_

4) \_\_\_\_\_

5) \_\_\_\_\_

6) \_\_\_\_\_

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