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REGISTRATION
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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

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

(1) Takuya MAYUZUMI
(2) Shuji EGUCHI
(3) Masahiro SASAKI
(4) Kiyoomi KADOYA

Execution Dates: (1) 10/3/2005
(2) 10/14/2005
(3) and (4) 10/06/2005

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

2. Name and address of receiving party(ies)

Name: HITACHI, LTD.
6-6, Marunouchi 1-chome,
Chiyoda-ku, Tokyo
Japan

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

3. Nature of conveyance:

Assignment Merger
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 Other _____

4. Application number(s) or patent number(s): This document is being filed together with a new application.

A. Patent Application No.(s)
11/243,319

B. Patent Registration No.(s)

Additional number(s) attached? Yes No

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

Name: Crowell & Moring LLP
Street Address: PO Box 14300
City: Washington
State: D.C. Zip: 20044-4300
Phone Number: 202-624-2500
Fax Number: 202-628-8844

6. Total number of applications and patents involved 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$40.00

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 Authorized to be charged to deposit account
 Enclosed
 None required (government interest not affecting title)

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9. Signature: Vincent J. Sunderdick 12/23/2005
Signature Date

VINCENT J. SUNDERDICK
Registration No. 29,004

For James F. McKeown, Registration No. 25,406
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 2

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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 signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Takuya MAYUZUMI Takuya Mayuzumi</u>	<u>Oct. 3, 2005</u>
2) <u>Shuji EGUCHI Shuji Eguchi</u>	<u>Oct. 14, 2005</u>
3) <u>Masahiro SASAKI Masahiro Sasaki</u>	<u>Oct. 6, 2005</u>
4) <u>Kiyoomi KADOYA Kiyoomi Kadoya</u>	<u>Oct. 6, 2005</u>
5) _____	_____
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____