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U.S. DEPARTMENT OF COMMERCE  
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Attorney Docket No. 520.44950X00

To the Honorable Commissioner of Pa

103021903

attached original documents or copy thereof.

## 1. Name of conveying party(ies):

**Kazuyoshi HOSHINO**  
**Kazuma YUMOTO**  
**Satoshi KIYOTO**  
**Takashi MIYAMOTO**  
**Yasunori SAIGUSA**

## 2. Name and address of receiving party(ies):

**Hitachi, Ltd.,**  
**6-6, Marunouchi 1-chome**  
**Chiyoda-ku, Tokyo**  
**JAPAN**

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

## 3. Nature of conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

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

Execution Date: **May 19, 2005; May 23, 2005; May 26, 2005;**  
**May 21, 2005 and May 19, 2005.**

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: .

A. Patent Application No.(s)

11/086,430, filed 3/23/2005

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: **ANTONELLI, TERRY, STOUT & KRAUS, LLP**

Internal Address:

1300 NORTH 17<sup>TH</sup> STREET - SUITE 1800City: **ARLINGTON** State: **VA** Zip **22209**6. Total number of applications and patents involved **1**7. Total fee (37 CFR 3.41)..... **\$40.00**

- ☒ Enclosed  
☒ Authorized to be charged to deposit account

## 8. Deposit account number:

**01-2135**

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

**PAUL J. SKWIERAWSKI, Reg#32,173**

Name of Person Signing

Signature

**06/10/2005**

Date

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

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Washington, D.C. 20231

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**PATENT**  
**REEL: 016685 FRAME: 0271**

# ASSIGNMENT

( 譲渡証 )

As below named inventors, we 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 us 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 we 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 we 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 we 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) Kazuyoshi Hoshino

5/19/2005

2) Kazuma Yumoto

5/23/2005

3) Satoshi Kiyoto

5/26/2005

4) Takashi Miyamoto

5/21/2005

5) Yasunori Saigusa

5/19/2005

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7) \_\_\_\_\_

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8) \_\_\_\_\_

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9) \_\_\_\_\_

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10) \_\_\_\_\_

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