PATENT ASSIGNMENT

SUBMISSION TYPE:	NEW ASSIGNMENT

NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Kazuyoshi Hoshino	01/23/2007
Keisuke Takeuchi	01/24/2007
Osamu Takata	01/30/2007
Tadashi Kaji	01/23/2007
Takahiro Fujishiro	01/23/2007

RECEIVING PARTY DATA

Name:	Hitachi, Ltd.
Street Address:	6-6, Marunouchi 1-chome
Internal Address:	Chiyoda-ku
City:	Tokyo
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11637694

CORRESPONDENCE DATA

Fax Number: (703)312-6666

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7033126600
Email: dprater@antonelli.com
Correspondent Name: Antonelli, Terry, Stout & Kraus, LLP
Address Line 1: 1300 N. 17th Street
Address Line 2: Suite 1800
Address Line 4: Arlington, VIRGINIA 22209

ATTORNEY DOCKET NUMBER:	500.46916X00

NAME OF SUBMITTER:	Paul J. Skwierawski

OP $40.00 11637694

500241617

PATENT
REEL: 019030 FRAME: 0519

Total Attachments: 2
source=46916Record#page1.tif
source=46916Assign#page1.tif

RECORDATION FORM COVER SHEET
PATENTS ONLY

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

Attorney Docket No. 500.46916X00

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Kazuyoshi HOSHINO Keisuke TAKEUCHI Osamu TAKATA Tadashi KAJI Takahiro FUJISHIRO Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No	2. Name and address of receiving party(ies) Name: **Hitachi, Ltd.** Street Address: **6-6, Marunouchi 1-chome** **Chiyoda-ku, Tokyo, Japan**
3. Nature of conveyance/ Execution Date: **January 23, 2007; January 24, 2007; January 30, 2007; January 23, 2007 and January 23, 2007.** ☒ Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name ☐ Joint Research Agreement ☐ Government Interest Assignment ☐ Executive Order 9424, Confirmatory License ☐ Other .	Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

A. Patent Application No.(s) **11/637,694**	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 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** ☒ Authorized to be charged by credit card ☐ Authorized to be charged to deposit account ☒ Enclosed ☐ None required (government interest not affecting title)
	8. Payment Information: a. Credit Card Last 4 numbers: 2097 Expiration date: 06/10 b. Deposit account number: 01-2135 Authorized User Name: Gregory E. Montone

DO NOT USE THIS SPACE

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	**/Paul J. Skwierawski/**	03/19/2007
Name of Person Signing	Signature	Date

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

PATENT
REEL: 019030 FRAME: 0521

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

DATA COMMUNICATION METHOD AND DATA COMMUNICATION SYSTEM

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) *Kazuyoshi Hoshino* Kazuyoshi HOSHINO	1/23/07
2) *Keisuke Takeuchi* Keisuke TAKEUCHI	1/24/07
3) *Osamu Takata* Osamu TAKATA	30 Jan. 2007
4) *Tadashi Kaji* Tadashi KAJI	1/23/2007
5) *Takahiro Fujishiro* Takahiro FUJISHIRO	1/23/2007
6)	
7)	
8)	
9)	
10)	

PATENT