

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

| SUBMISSION TYPE: | NEW ASSIGNMENT | | | | | | | | | | | | | | | | |
|--|-------------------------------------|----------------|---------------------|-------------------------------------|---------------|------------|------------------|------------|----------------|------------|----------------|------------|--------------------|------------|-----------------|------------|--|
| NATURE OF CONVEYANCE: | ASSIGNMENT | | | | | | | | | | | | | | | | |
| CONVEYING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Tomoichi EBATA</td><td>12/06/2005</td></tr><tr><td>Hiroshi SAITO</td><td>12/06/2005</td></tr><tr><td>Takeshi ISHIZAKI</td><td>12/09/2005</td></tr><tr><td>Junji FUKUZAWA</td><td>12/12/2005</td></tr><tr><td>Minoru KOIZUMI</td><td>12/12/2005</td></tr><tr><td>Toshiichiro SASAKI</td><td>12/12/2005</td></tr><tr><td>Yoshiaki ADACHI</td><td>12/15/2005</td></tr></tbody></table> | Name | Execution Date | Tomoichi EBATA | 12/06/2005 | Hiroshi SAITO | 12/06/2005 | Takeshi ISHIZAKI | 12/09/2005 | Junji FUKUZAWA | 12/12/2005 | Minoru KOIZUMI | 12/12/2005 | Toshiichiro SASAKI | 12/12/2005 | Yoshiaki ADACHI | 12/15/2005 | |
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| Tomoichi EBATA | 12/06/2005 | | | | | | | | | | | | | | | | |
| Hiroshi SAITO | 12/06/2005 | | | | | | | | | | | | | | | | |
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| Yoshiaki ADACHI | 12/15/2005 | | | | | | | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | | | | | | | |
| <table border="1"><tr><td>Name:</td><td>HITACHI, LTD.</td></tr><tr><td>Street Address:</td><td>6-6, Marunouchi 1-chome, Chiyoda-ku</td></tr><tr><td>City:</td><td>Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr></table> | Name: | HITACHI, LTD. | Street Address: | 6-6, Marunouchi 1-chome, Chiyoda-ku | City: | Tokyo | State/Country: | JAPAN | | | | | | | | | |
| Name: | HITACHI, LTD. | | | | | | | | | | | | | | | | |
| Street Address: | 6-6, Marunouchi 1-chome, Chiyoda-ku | | | | | | | | | | | | | | | | |
| City: | Tokyo | | | | | | | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | | | | | | | |
| PROPERTY NUMBERS Total: 1 | | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>Property Type</th><th>Number</th></tr></thead><tbody><tr><td>Application Number:</td><td>10557938</td></tr></tbody></table> | Property Type | Number | Application Number: | 10557938 | | | | | | | | | | | | | |
| Property Type | Number | | | | | | | | | | | | | | | | |
| Application Number: | 10557938 | | | | | | | | | | | | | | | | |
| CORRESPONDENCE DATA | | | | | | | | | | | | | | | | | |
| Fax Number: (703)312-6666 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i> | | | | | | | | | | | | | | | | | |
| Phone: 7033126600 | | | | | | | | | | | | | | | | | |
| Email: svannarath@antonelli.com | | | | | | | | | | | | | | | | | |
| Correspondent Name: Gregory E. Montone | | | | | | | | | | | | | | | | | |
| Address Line 1: 1300 N 17th Street | | | | | | | | | | | | | | | | | |
| Address Line 2: Suite 1800 | | | | | | | | | | | | | | | | | |
| Address Line 4: Arlington, VIRGINIA 22209 | | | | | | | | | | | | | | | | | |
| ATTORNEY DOCKET NUMBER: | 500.45621X00 | | | | | | | | | | | | | | | | |

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NAME OF SUBMITTER:

Gregory E. Montone

Total Attachments: 2

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RECORDATION FORM COVER SHEET
PATENTS ONLY

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

Attorney Docket No. 500.45621X00

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

| | | | |
|---|--|---|--|
| 1. Name of conveying party(ies): Tomoichi EBATA Hiroshi SAITO Takeshi ISHIZAKI Junji FUKUZAWA Minoru KOIZUMI Toshiichiro SASAKI Yoshiaki ADACHI | | 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| 3. Nature of conveyance/ Execution Date: December 6, 2005; December 6, 2005; December 9, 2005; December 12, 2005; December 12, 2005 December 12, 2005 and December 15, 2005. <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Joint Research Agreement <input type="checkbox"/> Government Interest Assignment <input type="checkbox"/> Executive Order 9424, Confirmatory License <input type="checkbox"/> Other . | | | |
| 4. Application number(s) or patent number(s): A. Patent Application No.(s) 10/557,938 | | <input type="checkbox"/> This document is being filed together with a new application. B. Patent Registration No.(s) Additional number(s) attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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 11 7. Total fee (37 CFR 3.41)..... \$40.00 <input checked="" type="checkbox"/> Authorized to be charged by credit card <input type="checkbox"/> Authorized to be charged to deposit account <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> None required (government interest not affecting title) 8. Payment Information: a. Credit Card Last 4 numbers: 1073 Expiration date: 06/10 b. Deposit account number: 01-2135 Authorized User Name: William I. Solomon | |
| DO NOT USE THIS SPACE | | | |
| 9. Statement and signature. <i>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.</i> Gregory E. Montone, Reg#28,141 /Gregory E. Montone/ 02/28/2007 _____ Name of Person Signing Signature Date Total number of pages including cover sheet, attachments, and document: 2 | | | |

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22313-1450

W1688-01
(05)

ASSIGNMENT (讓渡証)

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

SPACE-TIME 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 signatures:

| | INVENTOR(S) (発明者フルネームサイン) | Date Signed (署名日) |
|-----|---|----------------------|
| 1) | <u>Tomoichi Ebata</u> Tomoichi EBATA | <u>12/6/2005</u> |
| 2) | <u>Hiroshi Saito</u> Hiroshi SAITO | <u>12/6/2005</u> |
| 3) | <u>Takeshi Ishizaki</u> Takeshi ISHIZAKI | <u>12/9/2005</u> |
| 4) | <u>Junji Fukuzawa</u> Junji FUKUZAWA | <u>12/12/2005</u> |
| 5) | <u>Minoru Koizumi</u> Minoru KOIZUMI | <u>12/12/2005</u> |
| 6) | <u>Toshiichiro Sasaki</u> Toshiichiro SASAKI | <u>12/12/2005</u> |
| 7) | <u>Yoshiaki Adachi</u> Yoshiaki ADACHI | <u>12/15/2005</u> |
| 8) | _____ | _____ |
| 9) | _____ | _____ |
| 10) | _____ | _____ |

PATENT

RECORDED: 02/28/2007

REEL: 018941 FRAME: 0423