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Form PTO-1595 (Adapted)
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U.S. DEPARTMENT OF COMMERCE
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

| | |
|---|---|
| <p>1. Name of conveying party(ies): Tsutomu Horikoshi; Haruhiko Kojima; Noboru Sonehara; Masahiro Sasaura; Tadayuki Imai; Shogo Yagi; Akiyuki Tate; Kazuhito Higuchi; Takaaki Akimoto</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>2. Name and address of receiving party(ies):</p> <p>Name: NIPPON TELEGRAPH AND TELEPHONE CORPORATION</p> <p>Address: 3-1 Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8116, Japan</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> |
| <p>3. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>Execution Date: <u>December 15, 1999</u></p> | |

JCS03 U.S. PTO
09/469850
12/21/99

4(a). Patent Application No.(s): Filed Concurrently Herewith 4(b). Patent No.(s): **09/469850**

If this document is being filed together with a new application, the execution date of the application is: December 15, 1999

Additional numbers attached? Yes No

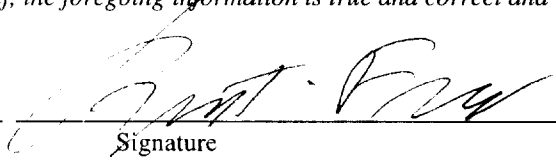
| | |
|--|---|
| <p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Roger T. Frost</p> <p>Address: JONES & ASKEW, LLP 2400 Monarch Tower 3424 Peachtree Road, N.E. Atlanta, Georgia 30326</p> | <p>6. Total number of applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) enclosed: \$ 40.00</p> |
|--|---|

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8. Statement and signature.

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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.

Roger T. Frost  December 21, 1999

Name of Person Signing Signature Date

Attorney Docket No: **13700-0222** Total number of pages including cover sheet: **3**

40.00 DP

Mail documents to be recorded with required cover sheet information to: Assistant Commissioner for Patents
Box Assignments
Washington, DC 20231

PATENT
REEL: 010502 FRAME: 0190

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01/27/2000 VBRONH
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ASSIGNMENT

The undersigned Inventor(s), Tsutomu HORIKOSHI, Haruhiko KOJIMA, Noboru SONEHARA, Masahiro SASAURA, Tadayuki IMAI, Shogo YAGI, Akiyuki TATE, Kazuhito HIGUCHI and Takaaki AKIMOTO

in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, does(do) hereby sell, transfer, and assign to the Assignee, NIPPON TELEGRAPH AND TELEPHONE CORPORATION

, a corporation organized and existing under the laws of Japan, and having a place of business at 3-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, 100-8116, Japan

, the full, exclusive, and entire right, title, and interest for the territory of the United States of America, in and to the invention entitled

METHOD AND APPARATUS FOR THREE-DIMENSIONAL HOLOGRAPHIC
DISPLAY SUITABLE FOR VIDEO IMAGE DISPLAY

as described and claimed in the application for Letters Patent filed by us on or about ~~December 21, 1999~~; and the full, exclusive and entire right, title, and interest in and to said application, in and to any divisions, continuations, reexaminations, and reissues thereof; and I(we) hereby request the Commissioner of Patents and Trademarks of the United States of America to issue said Letters Patent to the Assignee, for its interest, for the sole use of the Assignee and its successors, assigns and legal representatives, as fully and entirely as the same would have been held by us had this assignment not been made;

AND, for the same consideration, I(we) agree to sign all lawful papers, execute all division, continuing, reexamination, reissue and other applications, make all assignments and rightful oaths, and generally do everything possible to the Assignee, its successors, assigns, and nominees, to obtain and enforce proper protection for all said inventions and improvements in the United States of America.

J&A 13700-0222

I (We) hereby authorize and request our attorney, Roger T. Frost, Reg. No. 22,176, to insert here in parentheses the application number (App. No. _____) and filing date (_____) of said application when known.

Date Signed: December 15, 1999

Tsutomu HORIKOSHI

Tsutomu HorikoshiDate Signed: December 15, 1999

Haruhiko KOJIMA

Haruhiko KojimaDate Signed: December 15, 1999

Noburu SONEHARA

Noboru SoneharaDate Signed: December 15, 1999

Masahiro SASAURA

Masahiro SasauraDate Signed: December 15, 1999

Tadayuki IMAI

Tadayuki ImaiDate Signed: December 15, 1999

Shogo YAGI

Shogo YagiDate Signed: December 15, 1999

Akiyuki TATE

Akiyuki TateDate Signed: December 15, 1999

Kazuhito HIGUCHI

Kazuhito HiguchiDate Signed: December 15, 1999

Takaaki AKIMOTO

Takaaki Akimoto