

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>Aiichirou SASAKI</td><td>01/06/2005</td></tr><tr><td>Mitsuru SHINAGAWA</td><td>01/06/2005</td></tr></tbody></table> | Name | Execution Date | Aiichirou SASAKI | 01/06/2005 | Mitsuru SHINAGAWA | 01/06/2005 | | | | | |
| Name | Execution Date | | | | | | | | | | |
| Aiichirou SASAKI | 01/06/2005 | | | | | | | | | | |
| Mitsuru SHINAGAWA | 01/06/2005 | | | | | | | | | | |
| RECEIVING PARTY DATA | | | | | | | | | | | |
| <table border="1"><tr><td>Name:</td><td>Nippon Telegraph and Telephone Corporation</td></tr><tr><td>Street Address:</td><td>3-1, Otemachi 2-chome</td></tr><tr><td>City:</td><td>Chiyoda-ku, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>100-8116</td></tr></table> | Name: | Nippon Telegraph and Telephone Corporation | Street Address: | 3-1, Otemachi 2-chome | City: | Chiyoda-ku, Tokyo | State/Country: | JAPAN | Postal Code: | 100-8116 | |
| Name: | Nippon Telegraph and Telephone Corporation | | | | | | | | | | |
| Street Address: | 3-1, Otemachi 2-chome | | | | | | | | | | |
| City: | Chiyoda-ku, Tokyo | | | | | | | | | | |
| State/Country: | JAPAN | | | | | | | | | | |
| Postal Code: | 100-8116 | | | | | | | | | | |
| 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>10523122</td></tr></tbody></table> | Property Type | Number | Application Number: | 10523122 | | | | | | | |
| Property Type | Number | | | | | | | | | | |
| Application Number: | 10523122 | | | | | | | | | | |
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| ATTORNEY DOCKET NUMBER: | 44471/311746 | | | | | | | | | | |
| NAME OF SUBMITTER: | Janie Wilkins | | | | | | | | | | |
| Total Attachments: 2 source=311746-assignment#page1.tif source=311746-assignment#page2.tif | | | | | | | | | | | |

OP \$40.00 10523122

PATENT

500145250

REEL: 018190 FRAME: 0752

ASSIGNMENT

The undersigned Inventor(s), Aiichirou SASAKI and Mitsuru SHINAGAWA, 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

ELECTRO-OPTIC MODULATION DEVICE

as described and claimed in the application for Letters Patent executed by me (us) on the 6th day of January, 2005, 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 me (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.

I (we) hereby authorize and request my (our) attorney, Brenda O. Holmes, Reg.
No. 40,339, to insert here in parentheses the application number (App. No. 10/523,122) and
filing date (01/27/2005) of the aforesaid application when known.

Date Signed: Jan. 6, 2005

Aiichiro Sasaki
(Inventor) Aiichirou SASAKI

Date Signed: Jan. 6, 2005

Mitsuru Shinagawa
(Inventor) Mitsuru SHINAGAWA

Our Docket: 44471/311746