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| To the Director of the U.S. Patent and Trademark Office | d original documents or copy thereof. |
| 1. Name of conveying party(ies): | 2. Name and address of receiving party(ies): |
| Hiroyuki YAMAZAKI | NEC CORPORATION Q |
| Takafumi OGUMA | 7-1, Shiba 5-chome, |
| | Minato-ku, Tokyo, Japan |
| • | 00 |
| , | 650 |
| Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No | 97 |
| 3. Nature of conveyance: | • |
| ✓ Assignment | |
| | |
| ☐ Security Agreement ☐ Change of Name | |
| Other | _ |
| Execution Date: October 25, 2004 | Additional name(s) & address(es) attached? ☐ Yes ☑ No |
| 4. Application number(s) or patent number(s): | |
| If this document is being filed together with a new applica | ation, the execution date of the application is: October 25, 2004 |
| A. Patent Application No.(s) | B. Patent No.(s) |
| | |
| Additional numbers | attached? □ Yes ☑ No |
| 5. Name and address of party to whom correspondence | 6. Total number of applications and patents involved: |
| concerning document should be mailed: | 1 |
| SUGHRUE MION, PLLC | 7. Total fee (37 CFR 3.41): \$40.00 |
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Assignment

| hereinafter called assignor(s), have invented certain improvements in Optical Waveguide Device, Variable Optical Attenuator, and Optical Switch and executed an application for Letters Patent of the United States of America therefor on October 25, 2004; and Whereas, NEC Corporation 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor; Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, We, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim priori under 35 U.S.C. §119, and We request the Director - U.S. Patent and Trademark Office to is any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and Iww will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee. Whe hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number | Whereas, WWe, Tokyo, Japan | Hiroyuki | YAMAZAKI | and Takef | ımi OGUMA, | both of |
|--|--|--|--|--|--|--|
| and optical Switch and executed an application for Letters Patent of the United States of America therefor on October 25, 2004; and Whereas, NEC Corporation 7-1, Shiba 5-chome, Minato-ku, Tokyo, Japan (assignee), desires to acquire the entire right, title, and interest in the application and invention, and to any United States patents to be obtained therefor; Now therefore, for valuable consideration, receipt whereof is hereby acknowledged, YWe, the above named assignor(s), hereby sell, assign and transfer to the above named assignee, its successors and assigns, the entire right, title and interest in the application and the invention disclosed therein for the United States of America, including the right to claim prior under 35 U.S.C. §119, and Ywe request the Director – U.S. Patent and Trademark Office to iss any Letters Patent granted upon the invention set forth in the application to the assignee, its successors and assigns; and Ywe will execute without further consideration all papers deemed necessary by the assignee in connection with the United States application when called upon to do so by the assignee. Ywe hereby authorize and request our attorneys SUGHRUE MION, PLLC of 2100 Pennsylvania Avenue, NW, Washington, DC 20037-3213 to insert here in parentheses (Application number | hereinafter called assignor | r(s), have inve | ented certain i | mprovements i | n al Attenuat | or, |
| Whereas, NEC Corporation | | | | | | |
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| (Application number | any Letters Patent granted successors and assigns; a necessary by the assigned do so by the assignee. We hereby authors | d upon the invent will ever the connection or ize and request. | vention set for execute without the Un uses our attorn | th in the applic it further considited States applices. | ation to the assig deration all paper lication when call B MION, PLLC o | nee, its rs deemed led upon to of 2100 |
| nd application number of said application when known. Date: October 25, 2004 | | | JII, DC 20037 | and Confirmati | on number | 008 |
| Date: October 25, 2004 froyuki Yamazaki State Date: October 25, 2004 State Date: State Sta | | , filed _ | | | | filing date |
| Date: October 25, 2004 s/ Takefymi OGUMA Date: s/ Date: (Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) | and application number of | of said applica | ation when kn | own. | | |
| Date: October 25, 2004 s/ Take fymi OGUMA Date: S/ (Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) | Date: October 25, 20 | 1 - | 1 0 | jamasaki | 過 | |
| Date: S/ Date: | Date: October 25, 20 | 04 Tapp | mi Ogn | | <u>E</u> | |
| Date: S/ (Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) | S/ | Takerumi | . OGUMA/ | | | |
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| (Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. §261) | | | | | | |
| | (Legalization not required for | 1.0 | · . | dence of execution | under 35 U.S.C. §2 | 61) |

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