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| Docket No.: 50212 | -1750EMARY OF |
| To the Honorable C | Commissioner for Patent. |
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05-14-2001



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

| To the Honorable Commissioner for Patent. 1. Name of Conveying Party(ics): 1. Name of Conveying Party(ics): 1. Toshiaki OKUNO Additional name(s) of conveying party(ies) attached? Yes 3. Nature of Conveyance: Assignment | Docket No.: 50212-1750EMARK 055 | 715161 |
|--|---|---|
| Name: SUMITOMO ELECTRIC INDUSTRIES, LTD. | To the Honorable Commissioner for Patent. | Tease record the attached original documents or copy thereto: |
| Additional name(s) of conveying party(ies) attached? | 1. Name of Conveying Party(ies): | 2. Name and address of receiving party(ies): |
| Additional name(s) of conveying party(ies) attached? | Toshiaki OKUNO | Name: SUMITOMO ELECTRIC INDUSTRIES, LTD. |
| 3. Nature of Conveyance: Assignment | | Address: 5-33, Kitahama 4-chome |
| Assignment | Additional name(s) of conveying party(ies) attached? Yes | Chuo-ku, Osaka-shi |
| Security Agreement | 3. Nature of Conveyance: | Osaka 541-0041 JAPAN |
| Other Execution Date: February 12, 2001 Additional name(s) & address(es) attached? Yes | | |
| Additional name(s) & address(es) attached? 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s). B. Patent No(s). O9/731,819, filed December 8, 2000 Additional numbers attached? Yes | ☐ Security Agreement ☐ Change of Name | |
| Additional name(s) & address(es) attached? 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s). B. Patent No(s). Additional numbers attached? Yes 5. Name and address of party to whom correspondence concerning document should be mailed: Name: MCDERMOTT, WILL & EMERY Internal Address: Street Address: 600 13th Street, N.W. City: Washington State: DC Zip: 20005 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. Arthur J. Steiner, 26,106 Name and Registration No. of Person Signing Total number of pages comprising cover sheet: 1 | Other | |
| 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s). O9/731,819, filed December 8, 2000 Additional numbers attached? | Execution Date: February 12, 2001 | |
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For Non-U.S. Clients

ASSIGNMENT

Whereas, I/we,

Name

Address

c/o Yokohama Works of Sumitomo Electric Industries, Ltd.,

_{i)} Toshiaki OKUNO

1, Taya-cho, Sakae-ku, Yokohama-shi, Kanagawa 244-8588 Japan

hereinafter called assignor(s), have invented certain improvements in

AMPLIFICATION OPTICAL FIBER AND FIBER OPTIC AMPLIFIER INCLUDING THE SAME

| and executed an apotherwise indicated | | Letters Patent of | the United S | States of Americ | ca therefor on even date | herewith unless |
|---------------------------------------|------------|-------------------|--------------|------------------|--------------------------|-----------------|
| Whereas | filed on _ | December | 8, 2000 | _, Serial No | 09/731819 | ; and |

SUMITOMO ELECTRIC INDUSTRIES, LTD.

5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 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, be it known that, for good and valuable consideration from assignee, the receipt of which is hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

1): DATE SIGNED

1): Pame: Toshiaki OKUNO

DATE SIGNED

February /2, 200/

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)