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U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeFORM PTO-1595  
(Rev. 10/02)

Docket No.: 50212-561

## PATENTS ONLY

To the Honorable Commissioner for Patents and Trademarks: Please record the attached original documents or copy thereto:

## 1. Name of Conveying Party(ies):

Shinji ISHIKAWA, Toshiki TARU, Masakazu SHIGEHARA and  
Masaki OHMURA

12.30.03

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

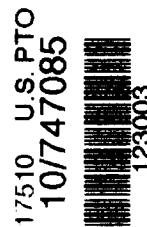
## 3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: December 17, December 17, December 17 and  
December 17, 2003

## 2. Name and address of receiving party(ies):

Name: SUMITOMO ELECTRIC INDUSTRIES, LTD.

Address: 5-33, Kitahama 4-chome  
Chuo-ku, Osaka-shi  
Osaka 541-0041 JAPANAdditional name(s) & address(es) attached? ☐ Yes ☐ No

## 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: December 17, December  
17, December 17 and  
December 17, 2003

A. Patent Application No(s).

B. Patent No(s).

10747085

Additional numbers attached? ☐ Yes ☐ No

## 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: D. C. Zip: 20005-3096

## 6. Total number of applications and patents involved:

1

## 7. Total fee (37 CFR 3.41) \$40.00

- ☐ Enclosed  
☒ Authorized to be charged to deposit account

8. Deposit account number:  
500417

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## 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

December 30, 2003

Name and Registration No. of Person Signing

Signature

Date

Total number of pages including cover sheet: 2

OMB No. 0651-0027 (exp. 6/30/2005)

PATENT  
REEL: 014856 FRAME: 0422

**ASSIGNMENT**

Whereas, I/we,

NameAddress

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

1) **Shinji ISHIKAWA**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

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

2) **Toshiki TARU**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

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3) **Masakazu SHIGEHARA**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

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

4) **Masaki OHMURA**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

hereinafter called assignor(s), have invented certain improvements in  
**OPTICAL FIBER AND FIBER GRATING TYPE FILTER INCLUDING THE SAME**

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless  
 otherwise indicated below:

filed on \_\_\_\_\_, Serial No. \_\_\_\_\_; and

Whereas

**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.

INVENTORSDATE SIGNED

1): Shinji Ishikawa  
 Name: Shinji ISHIKAWA

Dec. 17, 2003

2): Toshiki Taru  
 Name: Toshiki TARU

Dec. 17, 2003

3): Masakazu Shigehara  
 Name: Masakazu SHIGEHARA

Dec. 17, 2003

4): Masaki Ohmura  
 Name: Masaki OHMURA

Dec. 17, 2003

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