

08-17-2001



SHEET

101814011

TO THE ASSISTANT COMMISSIONER

original documents or copy thereof.

1. Name of conveying party(ies): (If multiple assignors, list numerically)

- 1) Yasuhiro Watanabe
- 2) Satoru Abe
- 3) Hiroshi Matsuura

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

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

Name: The Furukawa Electric Co., Ltd.

Street Address: 6-1, Marunouchi 2-chome, Chiyoda -ku

City: Tokyo 100-8322 Country: JAPAN

Additional name(s) of receiving party(ies) attached?

( ) Yes (X) No

JCS97 U.S. PTO  
09/924493  
08/06/01

3. Nature of conveyance:

- (X) Assignment
- ( ) Merger
- ( ) Security Agreement
- ( ) Change of Name
- ( ) Other:

4. Application number(s) or Patent number(s):

(X) Application(s) filed herewith

Execution Date(s): June 28, 2001

Additional numbers attached? ( ) Yes (X) No

Execution Date: (If multiple assignors, list execution dates in numerical order corresponding to numbers indicated in 1 above)

- 1) June 28, 2001
- 2) June 28, 2001
- 3) June 28, 2001

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Mark M. Abumeri

KNOBBE, MARTENS, OLSON &amp; BEAR, LLP

Customer No. 20,995

Internal Address: Sixteenth Floor

Street Address: 620 Newport Center Drive

City: Newport Beach State: CA ZIP: 92660

Attorney's Docket No.: KAWAW13.001AUS

7. Total fee (37 CFR 1.21(h)): \$40

(X) Enclosed

8. Deposit account number: 11-1410

Please charge this account for any additional fees which may be required, or credit any overpayment to this account.

6. Total number of applications and patents involved: 1

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.

Mark M. Abumeri

Name of Person Signing

43,458

Registration No.

Signature

Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:

08/16/2001 AMMED1 00000198 09924493

01 FC:581

40.00 DP

U.S. Patent and Trademark Office

Attn: Assignment Division

Crystal Gateway-4

1213 Jefferson Davis Highway, Suite 320

Arlington, VA 22202

S:\DOCS\MMA\MMA-3244.DOC/cfg/080601

PATENT  
REEL: 012071 FRAME: 0074

ASSIGNMENTWHEREAS, I/WE (1) Yasuhiro WATANABEa Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,  
Chiyoda-ku, Tokyo 100-8322 Japan(2) Satoru ABEa Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,  
Chiyoda-ku, Tokyo 100-8322 Japan(3) Hiroshi MATSUURAa Japanese citizen, residing at c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome,  
Chiyoda-ku, Tokyo 100-8322 Japanhereinafter referred to as Assignor (collectively if more than one inventor is listed above), have invented certain new  
and useful improvements in Optical Multiplexing Module and Method of Correcting Optical Axis Thereof

the specification of which:

- (a) ☒ is attached hereto; or
- (b) ☐ was filed on \_\_\_\_\_ as Application  
No. \_\_\_\_\_ or Express Mail No., as Application No.  
not yet known \_\_\_\_\_ and was amended  
on \_\_\_\_\_ (if applicable); or
- (c) ☐ was described and claimed in PCT International Application No.  
\_\_\_\_\_ filed on \_\_\_\_\_  
and as amended under PCT Article 19 on \_\_\_\_\_  
(if any) and/or under PCT Article 34 on \_\_\_\_\_ (if any).

AND WHEREAS, The Furukawa Electric Co., Ltd.with its principal place of business at 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 Japan,  
(hereinafter referred to as Assignee) desires to acquire the entire right, title, and interest in and to the said  
improvements with respect to the United States of America, its territories and possessions.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby  
acknowledged, Assignor hereby acknowledges that it has sold, assigned, transferred and set over, and by these  
presents does hereby sell, assign, transfer and set over, unto Assignee, its successors, legal representatives and  
assigns, the entire right, title, and interest in the United States of America, and its territories and possessions in, to  
and under said improvements, and any Patent Applications in the United States of America and all divisions,  
renewals and continuations thereof, and all Patents of the United States of America which may be granted thereon  
and all reissues and extensions thereof, and all rights of priority under International Conventions; and Assignor  
hereby authorizes and requests the Commissioner of Patents of the United States of America to issue all Patents for  
said improvements to Assignee, its successors, legal representatives and assigns, in accordance with the terms of this  
instrument.

AND ASSIGNOR HEREBY covenants and agrees that it will communicate to Assignee, its successors, legal representatives and assigns, any facts known to it respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid Assignee, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in the United States of America.

IN TESTIMONY WHEREOF, Assignor intending to be legally bound has hereunto affixed its signature.

This 28 day of 6, 2001 Yasuhiro Watanabe  
Signature of Yasuhiro WATANABE

This 28 day of 6, 2001 Satoru Abe  
Signature of Satoru ABE

This 28 day of 6, 2001 Hiroshi Matsuura  
Signature of Hiroshi Matsuura