



2-14-01

101625160

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yukio KOHMURA, Masahide KUWABARA, Kiyoshi ARIMA,  
Yasuhiro NAKA and Shinpei TODO

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

3. Nature of Conveyance:

- Assignment
- Security Agreement
- Other
- Merger
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01/23/01, 01/26/01, 01/26/01,  
01/25/01 and 01/26/01,

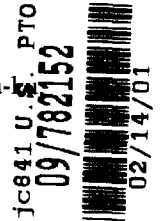
Execution Date: respectively

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

Name: The Furukawa Electric Co., Ltd.

Address: 6-1, Marunouchi 2-chome, Chiyoda-  
Tokyo 100-8322, Japan

Additional name(s) and address(es) attached?  Yes  No



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

If this document is being filed together with a new application, the execution date of the application is: **01/23/01, 01/26/01, 01/25/01, 01/25/01 and 01/26/01, respectively**

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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



22850

09/782152

6. Total applications and patents involved: **1**

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

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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.*

Robert T. Pous

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2/14/01

Date

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## U.S. ASSIGNMENT

WHEREAS:

Yukio KOHMURA, Masahide KUWABARA, Kiyoshi ARIMA, Yasuhiro NAKA  
and Shinpei TODO

whose full post office address(es) is (are),

c/o THE FURUKAWA ELECTRIC CO., LTD.

6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan

(hereinafter referred to as ASSIGNOR), has/have invented certain new and useful improvements in an invention entitled:

METHOD OF HEATING AND PROCESSING AN END OF AN OPTICAL FIBER  
PREFORM AND APPARATUS FOR HEATING AND PROCESSING AN END OF AN  
OPTICAL FIBER PREFORM

(a) for which an application for United States Letters Patent is being executed and filed concurrently herewith;

(b) for which an application for United States Letters Patent was executed on \_\_\_\_\_;

(c) for which an application for United States Letters Patent was filed on \_\_\_\_\_,

Serial No. \_\_\_\_\_;

(d) for which an PCT International application was filed on June 14, 2000 as International application No. PCT/JP00/03861.

WHEREAS:

THE FURUKAWA ELECTRIC CO., LTD. 6-1, Marunouchi 2-chome,  
Chiyoda-ku, Tokyo 100-8322, Japan

(hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and in, to and under Letters Patent or similar legal protection to be obtained therefor in the United States and in any and all foreign countries.

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt and sufficiency of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR

hereby sells, assigns and transfers to ASSIGNEE, its lawful successors and assigns, the full and exclusive right, title and interest to said invention in the United States and its territorial possessions and in all foreign countries and to all Letters Patent or similar legal protection in the United States and its territorial possessions and in any and all foreign countries to be obtained for said invention by said application or any continuation, division, continuation-in-part, reexamination, renewal, substitute, extension or reissue thereof or any legal equivalent thereof in a foreign country for the full term or terms for which the same may be granted; and authorize and request the Commissioner of Patent of the United States and any official of any foreign country whose duty it is to issue patents of legal equivalents thereto, to issue same for this invention to ASSIGNEE, its lawful successors and assigns.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof in any foreign country which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, I/WE have hereunto set hand and signed on the date indicated below:

INVENTOR(S)

DATE SIGNED

WITNESS(ES)

1) Yukio Koumura Jan. 23, 2001

K. Yoshida

- 2) Masahide Kuwabara Jan, 26, 2001 Yasuhiko Naka
- 3) Kiyoshi Arima Jan, 26, 2001 Yasuhiko Naka
- 4) Yasuhiko Naka Jan 25, 2001 Yukio Komura
- 5) Shinpei Tada Jan, 26, 2001 Yasuhiko Naka