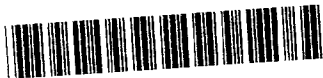


06-29-2004



102779843

Agent Docket Number: 2033-0104007Reg

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## 1. Name of conveying party(ies):

Fumio TAKAHASHI

Hideya MORIDAIRA

Taeko SHIBUTA

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

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

Name : The Furukawa Electric Co., Ltd.Address : 6-1, Marunouchi 2-chome,Chiyoda-ku, TokyoZip : 100-8322Country : JapanAdditional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

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

Execution Date: June 8, 2004

## 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 June 8, 2004

## A. Patent Application No.(s)

New Application

## B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Firm Name:

Furukawa Electric North America, Inc.Name of Patent Agent: Kanichiro YAMAMOTOCustomer Number: 000041646

## 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 account8. Deposit account number: 502868

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## 9. Signature

Kanichiro YAMAMOTO

Name of Person Signing

(under Limited Recognition)

Kanichiro Yamamoto

Signature

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Date

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

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10/870916

062104

PATENT  
REEL: 015499 FRAME: 0469

Agent Docket Number :2033-0104007Reg

**Assignment of Application**

Whereas, I(We),

Fumio TAKAHASHI ,Chiyoda-ku, Tokyo, Japan

Hideya MORIDAIIRA ,Chiyoda-ku, Tokyo, Japan

Taeko SHIBUTA ,Chiyoda-ku, Tokyo, Japan

, ,

, ,

, ,

, ,

, ,

Respectively certain new and useful improvements in:

OPTICAL FIBER HAVING A LOWER BENDING LOSS

for which an application for Letters Patent was executed on June 8, 2004(Application No. New Application , filed Herewith ), andWHEREAS, The Furukawa Electric Co., Ltd.

(hereinafter referred to as "ASSIGNEE")having a place of business at:

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

Is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I(We), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (We) hereby authorized and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (We) agree that I (We) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) Kanichiro Yamamoto of Furukawa Electric North America, Inc., 1800 Diagonal Rd., Suite 600, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rule of the United States Patent and Trademark Office for recordation of this document.

Inventor Name	Date(Day/Month/Year)	Signature of Inventor
Fumio TAKAHASHI	08 / 06 / 2004	<i>Fumio Takahashi</i>
Hideya MORIDAIRA	08 / 06 / 2004	<i>Hideya Moridaira</i>
Taeko SHIBUTA	08 / 06 / 2004	<i>Taeko Shibuta</i>
	____ / ____ / ____	_____
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**Kanichiro Yamamoto**  
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**1800 Diagonal Rd., Suite 600**  
**Alexandria, VA 22314**  
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**CUSTOMER NUMBER : 000041646**