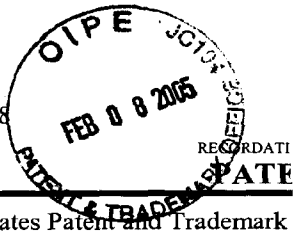


Atty Docket No.: 260181US8

FORM PTO-1595  
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Kazuhisa KASHIHARA  
Masato OKU  
Akira IINO

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

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

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
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Execution Date: December 10, 10, 16, 2004

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

☐ This document is being filed together with a new application

A. Patent Application No.(s)

10/960,013

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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PATENT  
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# Assignment of Application

Page 1 of 2

WHEREAS, I (WE) Kazuhisa KASHIHARA, Masato OKU, Akira IINO of  
c/o THE FURUKAWA ELECTRIC CO., LTD.  
6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322, Japan

INSERT NAMES  
AND RESIDENCE  
ADDRESS OF  
THE INVENTORS:

\_\_\_\_\_, respectively,  
have invented certain new and useful improvements in: \_\_\_\_\_

INSERT TITLE  
OF INVENTION:

METHOD OF MANUFACTURING OPTICAL WAVEGUIDE

INSERT DATE IN-  
VENTOR'S SIGNED  
DECLARATION:

for which an application for Letters Patent was executed on Dec. 10 and 16, 2004  
(Application No. 10/960,013, filed Oct. 8, 2004), and

INSERT NAME  
AND ADDRESS OF  
COMPANY OR  
OTHER ASSIGNEE

WHEREAS, 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 authorize 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.

03/03

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) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street 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 rules of the United States Patent and Trademark Office for recordation of this document.

Date: December 10th, 2004

Kazuhisa Kashiwara

(Signature of Inventor)

Kazuhisa KASHIHARA

Date: December 10th, 2004

Masato Oku

(Signature of Inventor)

Masato OKU

Date: December 16th, 2004

Akira Iino

(Signature of Inventor)

Akia IINO

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

Date: \_\_\_\_\_

(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.  
ATTORNEYS AT LAW  
1940 DUKE STREET  
ALEXANDRIA, VIRGINIA 22314

03/03