



02-11-2005



102939245

Atty Docket No.: 259858US8CONT

FORM PTO-1595 06-04

2-4-05

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Tatsuhiko UEKI, Tatsuya KIMOTO, Hiroyuki KOBAYASHI, Toshikazu MUKAIHARA, Mamoru SHIMADA, Yuji HIRATANI

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, Tokyo 100-8322 Japan

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

3. Nature of Conveyance:

- Assignment (checked), Merger, Security Agreement, Change of Name, Other

Execution Date: November 24, 2004

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

This document is being filed together with a new application

A. Patent Application No.(s)

10/956,079

B. Patent No.(s)

Additional numbers attached? Yes No

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

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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.

Bradley D. Lytle

Name of Person Signing

Signature of Joseph Scafetta, Jr.

Joseph Scafetta, Jr. Registration No. 26.803

FEB 04 2005

Date

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Assignment of Application

INSERT NAMES AND RESIDENCE ADDRESS OF THE INVENTORS:

WHEREAS, I (WE) Tatsuhiko UEKI, c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku,
Tokyo 100-8322 Japan; Tatsuya KIMOTO, c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi
2-chome, Chiyoda-ku, Tokyo 100-8322 Japan; Hiroyuki KOBAYASHI, c/o The Furukawa Electric
Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 Japan; Toshikazu
MUKAIHARA, c/o The Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku,
Tokyo 100-8322 Japan; Mamoru SHIMADA, c/o The Furukawa Electric Co., Ltd., 6-1,
Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 Japan; and Yuji HIRATANI, c/o The
Furukawa Electric Co., Ltd., 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo 100-8322 Japan

), respectively,

INSERT TITLE OF INVENTION:

have invented certain new and useful improvements in: OPTICAL TRANSMISSION MODULE WITH
TEMPERATURE CONTROL

(Application No. 10/956,079, filed October 4, 2004), and

INSERT NAME AND ADDRESS OF COMPANY OR OTHER ASSIGNEE

WHEREAS, The Furukawa Electric Co., Ltd.

(hereinafter referred to as "ASSIGNEES") having places of business at: 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo
100-8322 Japan, respectively are desirous of jointly acquiring interests in 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 ASSIGNEES, 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 ASSIGNEES as the
assignees of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEES,
their 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.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEES or their 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 ASSIGNEES, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEES, their 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: November 24, 2004

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 (Signature of Inventor) Tatsuhiko UEKI

Date: November 24, 2004

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Date: November 24, 2004

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Date: November 24, 2004

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Date: November 24, 2004

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