



08-31-2004



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Atty Docket No.: 243646US8

FORM PTO-1595 06-04

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<p>3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: August 16, 2004</p>	<p>Additional name(s) and address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>

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

This document is being filed together with a new application

<p>A. Patent Application No.(s) 10/679,383</p>	<p>B. Patent No.(s)</p>
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Additional numbers attached? Yes No

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Customer Number 22850</p> <p>Tel. (703) 413-3000 Fax. (703) 413-2220</p>	<p>6. Total applications and patents involved: 1</p> <p>7. Total fee (37 CFR 3.41): \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account</p> <p>8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)</p>
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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.

<p>Bradley D. Lytle Name of Person Signing</p>	<p><i>Joseph A. Scafetta Jr.</i> Signature</p>	<p><i>Aug. 26, 2004</i> Date</p>
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Registration Number: 40,073

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PATENT
REEL: 015730 FRAME: 0156

Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE)

Hiroshi KAWASHIMA , residing at c/o The Furukawa Electric Co., Ltd., 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan
Kazutaka NARA , residing at c/o The Furukawa Electric Co., Ltd., 2-6-1, Marunouchi, Chiyoda-ku, Tokyo 100-8322 Japan
_____, residing at _____
_____, residing at _____
_____, residing at _____
_____, residing at _____
_____, residing at _____
_____, residing at _____, respectively

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in:

OPTICAL CIRCUIT, METHOD FOR MANUFACTURING OPTICAL CIRCUIT, OPTICAL CIRCUIT
DEVICE , AND METHOD FOR CONTROLLING OPTICAL CIRCUIT DEVICE

INSERT DATE
INVENTORS
SIGNED
DECLARATION:

for which an application for Letters Patent was executed on August 16, 2004

(Application No. 10/679383 , filed October 7, 2003) , 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:

2-6-1, Marunouchi, 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 counties 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 processing, 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, may 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 & Neustradt, 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: August 16, 2004

Hiroshi Kawashima
(Signature of Inventor) Hiroshi KAWASHIMA

Date: August 16, 2004

Kazutaka Nara
(Signature of Inventor) Kazutaka NARA

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.
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