

8-29-05

Atty Docket No.: 2773978US8CONT

FORM PTO-1595
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are attached original documents or copy thereof.

1. Name of conveying party(ies):

Koji FUJIMURA, Misao SAKANO, Takeshi NAKAJIMA, and Shu NAMIKI

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

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

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: August 10, 2005, August 10, 2005,
August 10, 2005, and July 28, 2005

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

This document is being filed together with a new application

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:

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6. Total applications and patents involved: (1)

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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.

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Date

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PATENT
REEL: 016940 FRAME: 0556

112919 U.S. PTO
11/212903
082905

Assignment of Application

WHEREAS, I (WE) Koji FUJIMURA, Misao SAKANO, Takeshi NAKAJIMA and

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTOR:

Shu NAMIKI of

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: METHOD AND APPARATUS FOR CONTROLLING MULTIPLE-WAVELENGTH-PUMPED RAMAN AMPLIFIER AND COMPUTER PRODUCT

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on August 10, 2005

(Application No. _____, filed _____), 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.

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: Aug. 10, 2005

Koji Fujimura
(Signature of Inventor) Koji FUJIMURA

Date: Aug. 10, 2005

Misao Sakano
(Signature of Inventor) Misao SAKANO

Date: Aug. 10, 2005

Takeshi Nakajima
(Signature of Inventor) Takeshi NAKAJIMA

Date: _____

(Signature of Inventor) Shu NAMIKI

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

Assignment of Application

Page 1 of

WHEREAS, I (WE) Koji FUJIMURA, Misao SAKANO, Takeshi NAKAJIMA and
Shu NAMIKI 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,

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AMPLIFIER AND COMPUTER PRODUCT

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on July 28, 2005

(Application No. _____, filed _____), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE

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(hereinafter referred to as "ASSIGNEE") having a place of business at: _____
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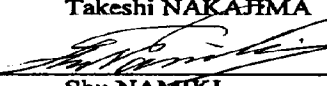
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03/03

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Date: _____	(Signature of Inventor) _____ Koji FUJIMURA
Date: _____	(Signature of Inventor) _____ Misao SAKANO
Date: _____	(Signature of Inventor) _____ Takeshi NAKAJIMA
Date: <u>07/28/05</u>	(Signature of Inventor)  Shu NAMIKI
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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