

09-18-2002

Atty Docket 209475US2/mtp

FORM PTO-595
1-31-92

102225078

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Toshikazu MUKAIHARA,
Hitoshi SHIMIZU,
Masaki FUNABASHI and
Akihiko KASUKAWA

9.12.02

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

3. Nature of Conveyance:

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

Execution Date: May 28, 2001

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

Name: THE FURUKAWA ELECTRIC CO., LTD.

Address: 6-1, Marunouchi 2-chome,
Chiyoda-ku, Tokyo, JAPANAdditional name(s) and address(es) attached? ☐ Yes ☒ No

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:

A. Patent Application No.(s)
09/874,278

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No5. Name and address of party to whom correspondence
concerning document should be mailed:

22850

6. Total applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030
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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.

Marvin J. Spivak

Name of Person Signing

Registration Number: 24,913

Surinder Sachar

Registration No. 34,423

Sept. 12 2002

Date

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PATENT
REEL: 013286 FRAME: 0038

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and Akihiko KASUKAWA of Tokyo, Japan

AND AKIHIRO KASUKAWA OF TOKYO, Japan

have invented certain new and useful improvements in: _____
DISTRIBUTED FEEDBACK SEMICONDUCTOR LASER DEVICE

for which an application for Letters Patent was executed on _____
(Application No. 09/874,278, filed June 6, 2001), and

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, 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;

1/95

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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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: 28/05/2001

(Signature of Inventor)

Toshikazu MUKAIIHARA

Date: 28/05/2001

(Signature of Inventor)

Hitoshi SHIMIZU

Date: 28/05/2001

(Signature of Inventor)

Masaki FUNABASHI

Date: 28/05/2001

(Signature of Inventor)

Akihiko KASUKAWA

Date:

(Signature of Inventor)

Date:

(Signature of Inventor)

Date:

(Signature of Inventor)

Date:

(Signature of Inventor)

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