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FORM PTO-1595

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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

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Tab settings ☐ ☐ ☐ ☐

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

1. Name of conveying party(ies):

- (1) Michio OHKUBO
(2) Yoshikazu Ikegami
(3) Takeshi NAMEGAYA
(4) Akihiko KASUKAWA

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

2. Name and address of receiving party(ies)

Name: THE FURUKAWA ELECTRIC CO., LTD.

Internal Address: _____

Street Address: 6-1, Marunouchi 2-chome,

Chiyoda-ku,

City: Tokyo

State: _____

ZIP: _____

Country: Japan

Additional name(s) & address(es) attached? ☐ Yes ☐ No

3. Nature of conveyance:

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

Execution Date: November 20, 1998

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 November 20, 1998

A. Patent Application No.(s)

09/201245

B. Patent No.(s)

DOCKET NO.: SOH 15.682

Additional numbers attached? ☐ Yes ☐ No

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

Name: HELFGOTT & KARAS, P.C.F.

Internal Address: EMPIRE STATE BUILDING

60TH FLOOR

Street Address: 350 5TH AVENUE

City: New York State: NY ZIP: 10118

Tel. No.: (212) 643-5000

6. Total number of 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:

08-1634

(Attach duplicate copy of this page if paying by deposit account)

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02 12/10/1998 Statement and signature. 40.00 OP

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.

Samson Helfgott

Name of Person Signing

Reg. No.: 23,072

Signature

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11/30/98

Date

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Washington, D.C. 20231

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by [Signature]

PATENT

REEL: 9649 FRAME: 0563

ASSIGNMENT

Docket No. SOH 15.682

WHEREAS, the below named inventor, ASSIGNOR, has made a certain new and useful invention in : _____
RIDGE WAVEGUIDE SEMICONDUCTOR LASER DIODE

for which

(check one) ☒ an application is being filed concurrently herewith,
☐ an application for a Patent of the United States was filed on _____
☐ and given Application Serial No. _____

and WHEREAS, The Furukawa Electric Co., Ltd.
having a place of business at 6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

_____, ASSIGNEE
is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, the said ASSIGNOR, has sold, assigned, transferred and set over, and by these presents does hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said United States application and all divisions, renewals and continuations thereof, and all Patents of the United States which may be granted thereon and all reissues and extensions thereof; and all applications for industrial property protection, including, without limitation, all applications for patents, utility models, and designs which may hereafter be filed for said invention in any country or countries foreign to the United States, together with the right to file such applications and the right to claim for the same the priority rights derived from said United States application under the Patent Laws of the United States, the International Convention for the Protection of Industrial Property, or any other international agreement or the domestic laws of the country in which any such application is filed, as may be applicable; and all forms of industrial property protection, including, without limitation, patents, utility models, inventor's certificates and designs which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof;

ASSIGNOR authorizes and requests the Commissioner of Patents and Trademarks of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents or other evidence or forms of industrial property protection on applications as aforesaid, to issue the same to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND ASSIGNOR covenants and agrees that he has full right to convey the entire interest herein assigned, and has not executed, and will not execute, any agreement in conflict herewith.

AND ASSIGNOR further covenants and agrees that he will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, reissue and foreign applications, make all rightful oaths, and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper protection for said invention in all countries.

Full name of sole or first inventor Michio OHKUBO
Inventor's signature Michio Ohkubo Date Nov. 20, 1998
Residence Tokyo, Japan Citizenship Japanese
Post Office Address c/o The Furukawa Electric Co., Ltd.
6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

Full name of second joint inventor, if any Yoshikazu IKEGAMI
Second Inventor's signature Yoshikazu Ikegami Date Nov. 20, 1998
Residence Tokyo, Japan Citizenship Japanese
Post Office Address c/o The Furukawa Electric Co., Ltd.
6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

Docket No. _____

ADDITIONAL INVENTORS FOR DECLARATION/ASSIGNMENT

Full name of additional inventor Takeshi NAMEGAYA
Second Inventor's signature Takeshi Namegaya Date Nov. 20, 1998
Residence Tokyo, Japan Citizenship Japanese
Post Office Address c/o The Furukawa Electric Co., Ltd.
6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

Full name of additional inventor Akihiko KASUKAWA
Inventor's signature Akihiko Kasukawa Date Nov. 20, 1998
Residence Tokyo, Japan Citizenship Japanese
Post Office Address c/o The Furukawa Electric Co., Ltd.
6-1, Marunouchi 2-chome, Chiyoda-ku, Tokyo, Japan

Witness:

Mayumi Odano