

03-15-2005

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U.S. Department of Commerce
Patent and Trademark Office
Attorney Docket No. 04284.0899
Attorney Customer Number: 22,852To the Honorable Commissioner
Please record the attached origin

102958418

ATTN. BOX ASSIGNMENTS RECORDATION
SERVICES

1. Name of conveying party(ies):
1) Shin SAKAMOTO
2) Isao OGAWA
3) Hideo TAMURA

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

Name: KABUSHIKI KAISHA TOSHIBA

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

Internal Address:

3. Nature of conveyance:

Street Address: 1-1, Shibaura, Minato-ku, Tokyo, Japan

☒ Assignment ☐ Merger

City:

☐ Security Agreement ☐ Change of Name

State:

Zip Code:

☐ Other:

Additional name(s) & Address(es) attached?

Execution Date: 1) January 22, 2005
2) January 21, 2005
3) January 24, 2005☐ 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:

A. Patent Application Number(s):

B. Patent Number(s):

11/028,305

Additional numbers attached?

☐ Yes☒ No

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

Name: Mr. Ernest F. Chapman

6. Total number of applications and registrations involved:
1

7. Total fee (37 CFR 3.41): \$40

☒ Enclosed (Please charge deficiency to deposit account)☐ Authorized to be charged to deposit account

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Street Address: 901 New York Avenue, NW

City: Washington, D.C.

State: Zip: 20001-4413

8. Deposit Account No.: 06-0916

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.

03/14/2005 DBYRHE 00000108 11028305

01 FC:8021

Richard V. Burguijan
Reg. No. 31,744

40.00 DP

Signature

March 10, 2005

Date

Total number of pages including cover sheet, attachments and documents: 3

JOINT INVENTION
(U.S. Rights Only)

ASSIGNMENT

WHEREAS, We, the below named inventors, (hereinafter referred to as assignors, have made an invention entitled:

**OPTICAL SEMICONDUCTOR APPARATUS AND METHOD OF MANUFACTURING AN
OPTICAL SEMICONDUCTOR APPARATUS**

for which we executed an application for United States Letters Patent concurrently herewith or filed an application for United States Letters Patent on January 4, 2005 (Application No. _____); and

WHEREAS, KABUSHIKI KAISHA TOSHIBA, a corporation of Japan, whose post office address is 1-1, Shibaura, Minato-ku, Tokyo, Japan (hereinafter referred to as assignee), is desirous of securing the entire right, title, and interest in and to this invention, the application for United States Letters Patent on this invention and the Letters Patent to be issued upon this application;

NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from assignee is hereby acknowledged, we, as assignors, have sold, assigned, transferred, and set over, and do hereby sell, assign, transfer, and set over unto the assignee, its lawful successors and assigns, our entire right, title, and interest in and to this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and assigns, in accordance with the terms of this Assignment;

AND, WE HEREBY further covenant and agree that we will, without further consideration, communicate with assignee, its successors and assigns, any facts known to us respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

AND, WE HEREBY authorize and request the attorneys we have empowered in the Declaration and Power of Attorney in this application, to insert here in parentheses (Application No. _____, filed January 4, 2005) the filing date and application number of said application when known.

IN TESTIMONY WHEREOF, we have hereunto set our hands.

First Assignor

Shin SAKAMOTO
c/o Intellectual Property Division,
Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, Japan

Citizenship: Japan

Signature: Shin Sakamoto

Date: 22 Jan, 2005

Second Assignor

Isao OGAWA
c/o Intellectual Property Division,
Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, Japan

Citizenship: Japan

Signature: Isao Ogawa

Date: 21 Jan, 2005

Third Assignor

Hideo TAMURA
c/o Intellectual Property Division,
Toshiba Corporation,
1-1-1, Shibaura, Minato-ku, Tokyo, Japan

Citizenship: Japan

Signature: Hideo Tamura

Date: 24 Jan, 2005