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FORM PTO-1595
(Rev. 6-93)

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DEPARTMENT OF COMMERCE
Patent and Trademark Office

Attorney Docket No.: 46884-5473

To the Commissioner for Patents
Please record the attached original documents or copy thereof.

ATTN: MAIL STOP ASSIGNMENT RECORDATION SERVICES

1. Name of conveying party(ies):

- 1) Hirofumi KAN
- 2) Hirofumi MIYAJIMA
- 3) Nobuo WATANABE

Additional names of conveying party(ies) attached?

☐ Yes ☒ No

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

Name: HAMAMATSU PHOTONICS K.K.

Address: 1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

3. Nature of conveyance:

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

Execution Date: (1) April 17, 2006; (2) April 11, 2006;
(3) April 13, 2006

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

☐ Yes ☒ No

10/577958

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

5. If this document is being filed together with a new application the execution date of the application is:

(1) April 17, 2006; (2) April 11, 2006; (3) April 13, 2006

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:

Name: John G. Smith

Internal Address: DRINKER BIDDLE & REATH LLP
Customer No. 055694

Street Address: 1500 K. Street, N.W., Suite 1100
City: Washington State: D.C. Zip: 20005-1209

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. §3.41): \$40.00

- ☒ Enclosed
- ☐ Authorized to be charged to Deposit Account 50-0573

8. Deposit Account No. 50-0573
(Attach duplicate page if paying by deposit account)

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.

Peter J. Sistare, Reg. No. 48,183

Name of Person Signing

Signature

May 2, 2006

Date

Total number of pages including cover sheet, attachments and documents: 2

ASSIGNMENT

Whereas, I/we,

NameAddress

c/o Hamamatsu Photonics K.K.,

1) **Hirofumi KAN**1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

c/o Hamamatsu Photonics K.K.,

2) **Hirofumi MIYAJIMA**1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan3) **Nobuo WATANABE**3-7-6 Higashi-Komagata,
Sumida-ku, Tokyo 130-0005 Japan

hereinafter called assignor(s), have invented certain improvements in
Semiconductor Laser Device and Method of Manufacturing the Same

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless
 otherwise indicated below:

filed on _____, Serial No. _____; and

Whereas

HAMAMATSU PHOTONICS K.K.1126-1, Ichino-cho,
Hamamatsu-shi, Shizuoka 435-8558 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States
 patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is
 hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign,
 transfer, and set over unto the assignee, its lawful successors and assigns, MY/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 I/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, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with
 assignee, its successors and assigns, any facts known to ME/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.

INVENTORSDATE SIGNED

1):

Name:

Hirofumi Kan
Hirofumi KAN

4/17/2006

2):

Name:

Hirofumi Miyajima
Hirofumi MIYAJIMA

4/11/2006

3):

Name:

Nobuo Watanabe
Nobuo WATANABE

4/13/2006

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)