

12-23-2002

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To the Honorable Commissioner of Patents

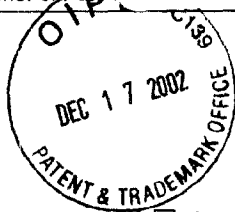
and attached original documents or copy thereof.

## 1. Name of conveying party(ies):

Takashi KATO

Jun-ichi HASHIMOTO

Naoyuki YAMABAYASHI



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

Name: Sumitomo Electric Industries, Ltd.

Internal Address: \_\_\_\_\_

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

## 3. Nature of conveyance:

12/17/02

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_

Street Address: 5-33, Kitahama 4-chome

Chuo-ku, Osaka-shi, Osaka 541-0041 JAPAN

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

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

Execution Date: 11/20/02; 11/20/02; 11/20/02, respectively

## 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)

10/215,259

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Smith, Gambrell &amp; Russell

Internal Address: \_\_\_\_\_

12/18/2002 SZEWDIE1 00000051 10215259

07 FC:8021

40.00 DP

Street Address: 1850 M Street, N.W.

Suite 800

City: Washington

State: DC

Zip: 20036

## 6. Total number of applications and patents involved: 1

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

☒ Enclosed☐ Authorized to be charged to deposit account

## 8. Deposit account number:

02-4300

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

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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.

Michael A. Makuch

Name of Person Signing

Signature

December 17, 2002

Date

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

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents &amp; Trademarks, Box Assignments

Washington, D.C. 20231

**ASSIGNMENT**

Whereas, I/we,

NameAddress

c/o Yokohama Works of Sumitomo Electric Industries, Ltd.,

1) **Takashi KATO**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

c/o Yokohama Works of Sumitomo Electric Industries, Ltd.,

2) **Jun-ichi HASHIMOTO**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

c/o Yokohama Works of Sumitomo Electric Industries, Ltd.,

3) **Naoyuki YAMABAYASHI**1, Taya-cho, Sakae-ku,  
Yokohama-shi, Kanagawa 244-8588 Japan

hereinafter called assignor(s), have invented certain improvements in

**Method of manufacturing external cavity semiconductor laser, External cavity semiconductor laser, and Wavelength division multiplexing communication system**

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

filed on **August 9, 2002**, Serial No. **10/215259**; and

Whereas

**SUMITOMO ELECTRIC INDUSTRIES, LTD.**5-33, Kitahama 4-chome, Chuo-ku,  
Osaka-shi, Osaka 541-0041 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): Takashi Kato  
Name: **Takashi KATO**

Nov. 20. 2002

2): Jun-ichi Hashimoto  
Name: **Jun-ichi HASHIMOTO**

November. 20. 2002

3): Naoyuki Yamabayashi  
Name: **Naoyuki YAMABAYASHI**

Nov. 20. 2002

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