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06-01-2005

RECORDATION
PAT



103012221

To the Director of the U.S. Patents and Trademark Office

or address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Jun-ichi Hashimoto
Tsukuru Katsuyama
Kenji Koyama

2. Name and address of receiving party(ies)

Name: Sumitomo Electric Industries, Ltd.

Internal Address:

Street Address: 5-33, Kitahama 4-chome

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

City:

State:

Country:

Zip:

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

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

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/089,019

B. Patent No.(s)

05/26/2005 SEWDIE1 00000044 11089019

05 FC:8021

(40.00 OP)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Smith, Gambrell & Russell

Internal Address:

Street Address: 1850 M Street, N.W.

Suite 800

City: Washington

State: DC

Zip: 20036

Phone Number : (202) 263-4300

Fax Number: (202) 263-4329

Email Address:

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40

- ☐ Authorized to be charged by credit card
☐ Authorized to be charged to deposit account
☒ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 02-4300

Authorized User Name _____

9. Signature :

May 25, 2005

Signature

Date

Michael A. Makuch

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

3

Name of Person Signing

Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) _____
OPTICAL INTEGRATED DEVICE

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☐ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
☒ U.S. patent application Serial No. 11/089,019, filed March 25, 2005.
☐ a U.S. patent application based on PCT International Application No. _____ filed on (date) _____ (U.S. patent application Serial No. _____, if known).
☐ U.S. patent No. _____, issued _____.

The PATENT RIGHTS also include all divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☒ U.S. patent rights only.
☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) Sumitomo Electric Industries, Ltd.
(Address) 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka 541-0041 Japan

The ASSIGNEE is:

- (check one) ☐ An Individual.
☐ A Partnership
☒ A Corporation of Japan (specify state or country)
☐ (other)

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;
the entire right, title and interest in and to the PATENT RIGHTS;
the right to sue and recover for any past infringement; and,
the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

THIS IS PAGE 2 OF AN ASSIGNMENT FROM THE INVENTOR(S) TO

ASSIGNEE: Sumitomo Electric Industries, Ltd.

INVENTION TITLE: OPTICAL INTEGRATED DEVICE

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any facts known to the ASSIGNOR(S) respecting said invention, and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause any and all Letters Patent to be issued to said ASSIGNEE, make all rightful oaths and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

The ASSIGNORS authorize any attorneys and agents who have a power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

Jun-ichi HASHIMOTO

Name of sole or first inventor

Jun-ichi Hashimoto
Signature

May. 13, 2005
Date

Tsukuru KATSUYAMA

Name of second inventor, if any

Tsukuru Katsuyama
Signature

May. 13, 2005
Date

Kenji KOYAMA

Name of third inventor, if any

Kenji Koyama
Signature

May. 13, 2005
Date

Name of fourth inventor, if any

Signature

Date

Name of fifth inventor, if any

Signature

Date

Name of sixth inventor, if any

Signature

Date

Name of seventh inventor, if any

Signature

Date

Name of eighth inventor, if any

Signature

Date

Name of ninth inventor, if any

Signature

Date