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RECORDATION FOLIO

PA1 - 103338146

DEPARTMENT OF COMMERCE

Patent and Trademark Office

Attorney Docket : 033035.219

1. Name of conveying party(ies):

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

2. Name and address of receiving party(ies)

Name: **SUMITOMO ELECTRIC INDUSTRIES, LTD.**Street Address: **5-33, Kitahama 4-chome, Chuo-ku,  
Osaka-shi, Osaka, 541-0041 Japan**

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other \_\_\_\_\_Execution Date: **October 25, 2006**Additional Name(s) & address(es) attached? ☐ Yes ☒ No

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



This document is being filed together with a new application.

A. Patent Application No.(s) **11/514,321**

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: **Michael A. Makuch**Internal Address: **SMITH, GAMBRELL & RUSSELL, LLP**Street Address: **1850 M Street, NW - Suite 800**City: **Washington** State: **DC** Zip: **20036**6. Total number of applications and patents involved: **- 1 -**7. Total fee (37 CFR 3.41) . . . . . **\$40.00**☒ 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

**November 15, 2006**

Date

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

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

Commissioner of Patents &amp; Trademarks, Box Assignments, Washington, D.C. 20231

235407

PATENT  
REEL: 018567 FRAME: 0048

Docket :

## ASSIGNMENT

This assignment agreement is applicable to an invention entitled :

### OPTICAL RECEIVER

**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 No. 11/514,321 filed September/1/2006
- ☐ a U.S. patent application based on PCT International Application No. \_\_\_\_\_ filed \_\_\_\_\_  
(U.S. patent application Serial No. \_\_\_\_\_)
- ☐ 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 ASSIGNORS** referred to in this agreement are the inventors whose signatures appear on page 2 of this Assignment.

**THE ASSIGNEE** referred to in this agreement is:

(name and address) **SUMITOMO ELECTRIC INDUSTRIES, LTD.**  
**5-33,Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, Japan**

**THE ASSIGNEE is:** ☐ An Individual.  
☐ A Partnership.  
(state/country) ☒ A Corporation of Japan  
☐ (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 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; 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.

**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 ASSIGNOR(S) 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.

Moriyasu ICHINO

Name of first inventor

*Moriyasu Ichino*  
Signature

*2006.10.25*  
Date