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07-17-1998

| PATENTS ONLY TO THE COMMISSIONER | | TRADEMARKS | |
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| Please record this information on the front of the copy thereof. | | | |
| 1. Name of Party(ies) conveying an interest: Kimihiro Kikuchi Yoshihiro Someno Atsunori Hattori Shoichi Kyoya | | 2. Name and Address of Party(ies) receiving interest: Name: ALPS Electric Co., Ltd. Internal Address: Street Address: 1-7 Yukigaya, Otsuka-cho City: Ota-ku, Tokyo State/Zip: Japan | |
| Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | Additional name(s) and addresses attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| 3. Description of the interest conveyed: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Change of Name Other: <input type="checkbox"/> Security Agreement <input type="checkbox"/> Merger | | | |
| Execution Date: June 22, 1998 | | | |
| Application number(s) or patent number(s). Additional sheet attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| If this document is being filed together with a new application, the execution date of the application is: June 22, 1998 Date | | | |
| Patent Application No.(s) | | Patent No.(s) | |
| Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | | | |
| 5. Name and address of party to whom correspondence concerning document should be mailed: BRINKS HOFER GILSON & LIONE P.O. BOX 10395 CHICAGO, IL 60610 (312)321-4200 | | 6. Number of applications and patents involved: 1 Total fee (37 CFR 3.41) \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to Deposit Account No. 23-1925 8. <input checked="" type="checkbox"/> Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925. | |
| DO NOT USE THIS SPACE | | | |
| 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. Gustavo Siller, Jr. Name of Person Signing Signature Date 7/9/98 Total number of pages including cover sheet, attachments, and document: 3 | | | |

Rev. Oct-97

PATENT
REEL: 9308 FRAME: 0624

ASSIGNMENT

WHEREAS, Kimihiro Kikuchi, Yoshihiro Someno,
Atsunori Hattori and Shoichi Kyoza,
hereinafter called the "Assignors", have made the invention described in the United States
patent application entitled OPTICAL TRANSMISSION/RECEPTION MODULE

executed by Assignors on the same date as this Assignment;

WHEREAS, ALPS ELECTRIC CO., LTD., a corporation organized and
existing under the laws of Japan, having a place of business at 1-7 Yukigaya, Otsuka-cho,
Ota-ku, Tokyo, Japan, hereinafter called the "Assignee", desires to acquire the entire right,
title and interest in and to the invention and the patent application identified above, and all
patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$100), and
other valuable and legally sufficient consideration, the receipt of which by the Assignors
from the Assignee is hereby acknowledged, the Assignors have sold, assigned and
transferred, and by these presents do sell, assign and transfer to the Assignee, the entire
right, title and interest for the United States in and to the invention and the patent
application identified above, and any patents that may issue for said invention in the
United States; together with the entire right, title and interest in and to said invention and
all patent applications and patents therefor in all countries foreign to the United States,
including the full right to claim for any such application all benefits and priority rights
under any applicable convention; together with the entire right, title and interest in and to
all continuations, divisions, renewals and extensions of any of the patent applications and
patents defined above; to have and to hold for the sole and exclusive use and benefit of the
Assignee, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the
Assignors' legal representatives, that the Assignors will assist the Assignee in the
prosecution of the patent application identified above; in the making and prosecution of
any other patent applications that the Assignee may elect to make covering the invention
identified above; in vesting in the Assignee like exclusive title in and to all such other patent
applications and patents; and in the prosecution of any interference which may arise
involving said invention, or any such patent application or patent; and that the Assignors
will execute and deliver to the Assignee any and all additional papers which may be
requested by the Assignee to carry out the terms of this Assignment.

PATENT
REEL: 9308 FRAME: 0625

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.
IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE: June 22, 1998

Kimihiro Kikuchi
Inventor: Kimihiro Kikuchi

WITNESSED:

DATE: June 22, 1998

Koji Nakamura

DATE: June 22, 1998

Kan Sato

DATE: June 22, 1998

Yoshihiro Someno
Inventor: Yoshihiro Someno

WITNESSED:

DATE: June 22, 1998

Koji Nakamura

DATE: June 22, 1998

Kan Sato

DATE: June 22, 1998

Atsunori Hattori
Inventor: Atsunori Hattori

WITNESSED:

DATE: June 22, 1998

Koji Nakamura

DATE: June 22, 1998

Kan Sato

DATE: June 22, 1998

Shoichi Kyoya
Inventor: Shoichi Kyoya

WITNESSED:

DATE: June 22, 1998

Koji Nakamura

DATE: June 22, 1998

Kan Sato

RECORDED: 07/09/1998

PATENT
REEL: 9308 FRAME: 0626