

08-18-1998



PATENTS ONLY

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Attorney Docket No. 9281/3039

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS

Please record the attached original document or copy thereof.

1. Name of Party(ies) conveying an interest:

Sadakzau Shiga

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

2. Name and Address of Party(ies) receiving an 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) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

☒ Assignment

☐ Change of Name

Other:

☐ Security Agreement

☐ Merger

Execution Date: July 22, 1998

Application number(s) or patent number(s). Additional sheet attached? ☐ Yes ☒ No

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

Date

Patent Application No.(s)

09/085,282

Patent No.(s)

Additional numbers attached? ☐ Yes ☒ 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

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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

Total number of pages including cover sheet, attachments, and document: 3

Rev. Oct-97

PATENT

REEL: 9380 FRAME: 0867

ASSIGNMENT

WHEREAS, Sadakazu Shiga, hereinafter called the "Assignor," has made the invention described in the United States patent application entitled Signal Processing System, for a full description of which reference is here made to an application for Letters Patent of the United States filed on May 27, 1998, and assigned Application Serial No. 09/085,282;

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, in 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 exchange for valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor has sold, assigned and transferred, and by these presents does sell, assign and transfer to the Assignee, the entire right, title and interest for the United States, its territories and possessions, 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, continuations-in-part, divisions, renewals, extensions or reissues 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 Assignor hereby covenants and agrees, for both the Assignor and the Assignor's legal representatives, that the Assignor 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 Assignor 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.

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 Assignor has executed this agreement.

DATE July 22, 1998

Sadakazu Shiga
Sadakazu Shiga

WITNESSED

DATE July 22, 1998

Sumi Saito

DATE July 22, 1998

Junee Kawase