

12-01-2003

PATENTS ONLY

Our File No. 9281-4693

TO THE COMMISSIONER OF PATENTS

:NTS

11-17-03

Please record the attached original document or copy thereof.

1. Name of Party conveying an interest:

Kiyoshi Sato

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

☐ Yes ☒ No

2. Name and Address of Party 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☐ MergerExecution Date: October 9, 2003Application 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:

October 9, 2003

Patent Application No.(s)

10716710

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 &amp; LIONE

P.O. BOX 10395

CHICAGO, IL 60610

(312)321-4200

Customer Number 00757

6. Number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$40☒ Enclosed☐ Authorized to be charged to Deposit Account No. 23-19258. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

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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., Reg. No. 32,305

Name of Person Signing

Signature

11/17/03  
DateTotal number of pages including cover sheet, attachments, and document: 3

Rev. Oct-97

11/26/2003 ECOOPER 00000036 10716710

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PATENT  
REEL: 014726 FRAME: 0434

## ASSIGNMENT

WHEREAS, Kiyoshi Sato, hereinafter called the "Assignor", have made the invention described in the United States patent application entitled THIN FILM MAGNETIC HEAD HAVING TOROIDALLY WOUND COIL

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executed by Assignor 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 (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignor from the Assignee is hereby acknowledged, the Assignor 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 Assignor hereby covenant and agree, 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: October 9, 2003

Kiyoshi Sato  
Inventor: Kiyoshi Sato

WITNESSED:

DATE: October 9, 2003

Takashi Sato

DATE: October 9, 2003

Jiji Kishi