

9281/3435

PATENTS ONLY

PATENTS ONLY

TO THE COMMISSIONER FOR PATENTS**Please record the attached original document or copy thereof.**

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

SONY CORPORATION

2. Name and Address of Party(ies) receiving an interest:

Name: ALPS ELECTRIC CO. LTD.
 Internal Address:
 Street Address: 1-7 Yukigaya, Otsuka-cho, Ota-ku
 City: Tokyo
 State/Zip: JAPAN

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

☐ Yes ☒ No

Additional name(s) and addresses attached?

☐ Yes ☒ No

3. Description of the interest conveyed:

☒ Assignment ☐ Change of Name Other:☐ Security Agreement ☐ Merger

Execution Date: November 30, 2004

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

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

Date

A. Patent Application No.(s)

B. Patent No.(s)
6,724,552 B1Additional 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: _____

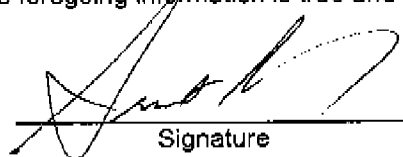
7. Total fee (37 CFR 3.41) \$ 40.00
☒ Enclosed
☐ Authorized to be charged to Deposit Account No. 23-1925
 8. ☒ Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

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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.

Gustavo Siller, Jr., Reg. No. 32,305
 Name of Person Signing



Signature

January 11, 2004
 Date

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

CH \$40.00 231925 6724552

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PATENT
REEL: 015571 FRAME: 0744

ASSIGNMENT

WHEREAS, SONY CORPORATION, a corporation organized and existing under the laws of Japan, having a place of business at 7-35 Kitashinagawa, 6-chome, Shingawa-ku, Tokyo, Japan, hereinafter called the "Assignor," is jointly the owner with ALPS ELECTRIC CO. LTD. of the right, title, and interest in and to the following patents and patent applications, as well as all inventions disclosed or claimed therein:

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 patents and patent applications identified below, as well as all inventions disclosed or claimed therein and to all patents which may be obtained for said inventions, as set forth below;

Patent No.	Serial No.	Inventor(s)	Title
6,724,552	09/416,654	Takayuki SUGAWARA et al.	MAGNETIC DISK APPARATUS WITH LOWER PROBABILITY OF OCCURRENCE OF READ ERRORS DUE TO SCRATCH OR THE LIKE ON MAGNETIC DISP SURFACE

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 right, title and interest for the United States, its territories and possessions, in and to the inventions and the patents and patent applications identified above, and any patents that may issue for said inventions in the United States; together with the entire right, title and interest in and to said inventions and all patents and patent applications 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 patents and patent applications identified 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 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.

Sony Corporation

DATE November 30, 2004

By

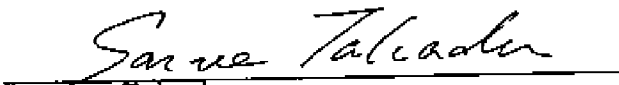

Toshiya Ogura

Title

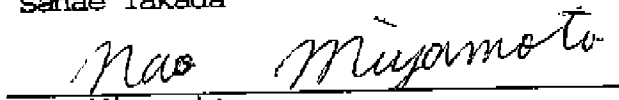
General Manager, Planning & Control Department
Intellectual Property Division

WITNESSED

DATE November 30, 2004


Sanae Takada

DATE November 30, 2004


Nao Miyamoto