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

Hirohisa Ishihara  
Isao Nakabayashi

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, Ota-ku  
City: 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: October 14, 1997

4. 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

A. Patent Application No.(s)  
08/987,339

B. 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

7. Total fee (37 CFR 3.41) \$ \_\_\_\_\_  
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Jasper W. Dockrey  
Name of Person Signing

March 10, 2000  
Date

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## ASSIGNMENT

We, Hirohisa Ishihara and Isao Nakabayashi

declare that we are citizens of Japan, that our post office address is 1-7 Yukigaya, Otsuka-cho, Ota-ku, Tokyo, Japan, hereinafter Inventors, are inventors of certain new and useful improvements in MAGNETIC HEAD, MAGNETIC RECORDING/REPRODUCING

APPARATUS, AND METHOD OF MANUFACTURING SAME

for which an application was executed on or about this day, for filing in the United States Patent and Trademark Office claiming priority of our Japanese Patent Application Number 8-328574, filed on December 9, 1996.

Now, therefore, to all whom it may concern, be it known that the Inventors hereby sells, assigns and transfers unto ALPS ELECTRIC CO., LTD., a corporation organized under the laws of Japan having a place of business at 1-7 Yukigaya, Otsuka-cho, Ota-ku, Tokyo, Japan

its successors and assigns, hereinafter Assignee, in exchange for valuable and sufficient consideration, the receipt of all of which consideration being hereby acknowledged, the entire right, title and interest, for the United States, its territories and possessions, in and to said applications and to the invention claimed or disclosed therein, all of the subject matter thereof, any United States Letters Patent granted thereon or for said subject matter or any part thereof, and any division, continuation, continuation-in-part, extension or reissue of said application or of any such Letters Patent.

Signed at: Niigata-ken, Japan

Date: October 14, 1997

Hirohisa Ishihara  
Inventor: Hirohisa Ishihara

SIGNED IN THE PRESENCE OF TWO WITNESSES

(1) Takashi Sato

(2) Junji Kobayashi

Signed at: Niigata-ken, Japan

Date: October 14, 1997

Isao Nakabayashi  
Inventor: Isao Nakabayashi

SIGNED IN THE PRESENCE OF TWO WITNESSES

(1) Takashi Sato

(2) Junji Kobayashi

Signed at: \_\_\_\_\_

Date: \_\_\_\_\_

\_\_\_\_\_  
Inventor:

SIGNED IN THE PRESENCE OF TWO WITNESSES

(1) \_\_\_\_\_

(2) \_\_\_\_\_