

PATENTS ONLY

# TO THE COMMISSIONER FOR PATENTS

Our File No. 9281-0004

Please record the attached original document or copy thereof.

1. Name of Party conveying an interest:

IP Trading Japan Co., Ltd.

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) 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: March 1, 2004

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:

Patent Application No. (s)	Date	Patent No. (s)
	6,185,068	

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  
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6. Number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00  
 Enclosed  
 Authorized to be charged to Deposit Account No. 23-1925

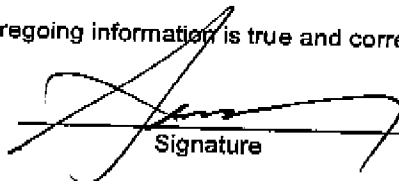
8.  Please charge any deficiencies in fee or credit any overpayment to Deposit Account No. 23-1925.

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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

3/26/04  
Date

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

CH \$40.00 231925 6185068

ASSIGNMENT

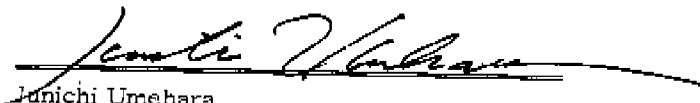
Whereas, IP Trading Japan Co., Ltd.(hereinafter IPTJ), a corporation having a place of business at 1-2-3, Minami Yukigaya Ota-ku, Tokyo, Japan, is the sole owner of the United States Letters Patents listed in Exhibit A, and,

Whereas, Alps Electric Co., Ltd.(hereinafter ALPS), a corporation having a place of business at 1-7, Yukigaya-Otsuka-Cho, Ota-ku, Tokyo, Japan . is desirous of acquiring the entire right, title and interest in the aforesaid Letters Patents:

Now, therefore, in consideration of the sum of Ten Dollars(\$10.00) paid by ALPS to IPTJ, the receipt of which is hereby acknowledged, and other good and valuable consideration, IPTJ, by these presents does sell, assign and transfer unto ALPS the entire right, title and interest in and to the aforesaid Letters Patents to be held and enjoyed by ALPS for his own use and behoof, and for his legal representatives and assigns, to the full end of the term for which the aforesaid Letters Patents are granted, as fully and entirely as the same would have been held and enjoyed by IPTJ if this assignment, transfer and sale had not been made.

Subscribed and executed

on March 1, 2004



Junichi Umehara

President & Chief Executive Officer

Authorized Signing officer

Witness: Katsutoshi Uchida

Witness: Nobuhisa Shimizu

## EXHIBIT A

Patent No	Title	Assignee/Applicant
US4667259	Non-magnetic part in magnetic head assembly	IP Trading Japan Co., Ltd
US5052099	Method of fabricating a magnetic head by sputter etching	IP Trading Japan Co., Ltd
US5231554	Floating magnetic head having low noise level	IP Trading Japan Co., Ltd
US5233492	Flying type composite magnetic head having Mn - Zn ferrite core	IP Trading Japan Co., Ltd
US5576912	Floating magnetic head with reduced magnetostriction vibration noise	IP Trading Japan Co., Ltd
US5581429	Thin-film magnetic head having improved magnetic pole structure	IP Trading Japan Co., Ltd
US5948550	Magneto-resistive film	IP Trading Japan Co., Ltd
US5771133	Floating magnetic head	IP Trading Japan Co., Ltd
US5751516	Non-magnetic substrate material and slider assembly for use in flying-type magnetic head	IP Trading Japan Co., Ltd
US6072670	Thin-film magnetic head having a pair of magnetic poles formed on substrate through a magnetic gap layer	IP Trading Japan Co., Ltd
US6027824	Magnetic head with low non-linear transition shift	IP Trading Japan Co., Ltd
US6101068	MR composite-type thin-film magnetic head having an upper pole with a high saturation magnetic flux density and an intermediate pole with a high resistivity	IP Trading Japan Co., Ltd
US6246541	Thin film magnetic head with reduced magnetic gap by incorporating coil conductors with convex surfaces	IP Trading Japan Co., Ltd
US6365029	Manufacturing method for a thin film magnetic head having fine crystal grain coil	IP Trading Japan Co., Ltd
US6202289	Manufacturing process of thin film magnetic head sliders	IP Trading Japan Co., Ltd
US6185068	Thin-film magnetic head with a coil having a trapezoidal crosssection	IP Trading Japan Co., Ltd