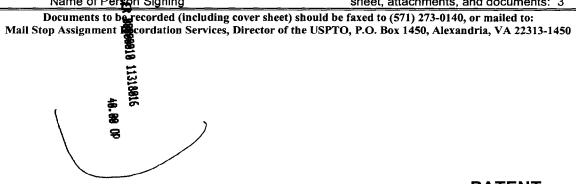
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				₹ SHEET	18.		
Ì	To the Director of the U.S. Patent a.	103149		ed documents or the new address(es)	betaw-		
Ì	1. Name of conveying Party(ies)/Exec	cution Date:	2. Ivanie	Address of receiving Party(ies):	17		
.	Hiroshi Kameda (November 8	3, 2005)	Name:	ALPS ELECTRIC CO., LTI	D .		
			Internal Addre	ss:			
Ś	Additional name(s) of conveying party(ies	s) attached?	Street Address	s: 1-7 Yukigaya, Otsuka-cho,	Ota-ku		
5	☐ Yes ⊠ No		City/State:	Tokyo			
<i>o.</i> 8			Country:	Japan Zip: 145-8501			
<u> </u>			Additional name	e(s) and addresses attached? Yes	₫ No		
	3. Nature of Conveyance: Execution Date(s): November 8, 2005						
	⊠ Assignment	☐ Change of Na	me 🗆	Executive Order 9424, Confirmator	y License		
l	Security Agreement	☐ Merger		Joint Research Agreement			
•	Government Interest Assignment Other						
	4. Application or patent number(s).						
	A. Patent Application No.(s)		B. Patent No	D.(S)			
			 	F3			
	5. Name and address of party to who	Additional numbers at			tached?		
	correspondence concerning document should be mailed:			or approximation and parameters	· · · ·		
	BRINKS HOFER GILSO P.O. BOX 10395	N & LIONE	7. Total fee (3	37 CFR 1.21(h) & 3.41)	\$ <u>40</u>		
İ	CHICAGO, IL 60610		Authorized to be charged by credit card.				
	(312) 321-4200 (312) 321-4299 Fax		Authorized 1925.	to be charged to Deposit Account N	0. 23-		
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			8. Payment Ir	nformation:			
1			a. Credit Card: Last 4 Numbers Expiration Date				
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			b. Charge fee and/or any Deficiencies to Deposit Account Number: 23-1925				
	Signature: 282		Authorize	d User Name: Brinks Hofer Gilsor	n & Lione		
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	Signature Gustavo Siller, Jan. Reg. N	o. 32,305		ate al number of pages including cover	i		
	Name of Per n Signir			et, attachments, and documents: 3			



ASSIGNMENT

WHEREAS, Hiroshi Kameda	, hereinafter called the
"Assignor", have made the invention described in the U	nited States patent application
entitled PERPENDICULAR MAGNETIC RECORDING HEAD	
YOKE LAYER	

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, Otsukacho, 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.

PATENT REEL: 017416 FRAME: 0463

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.

Wirosh Kameda DATE: November 8, 2005 WITNESSED: November 8, 2005

Citaushi Frahanashi Lananas Miki November 8, 2005 DATE:

DATE:

RECORDED: 12/23/2005

PATENT REEL: 017416 FRAME: 0464