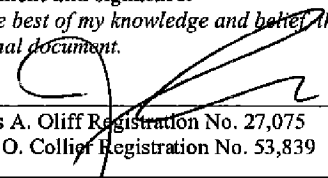


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1. A. Name of conveying parties: Toshinori WATANABE Toru TAKAHASHI B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. A. Name and address of receiving party: TDK CORPORATION 1-13-1, NIHONBASHI, CHUO-KU, TOKYO 103-8272 JAPAN B. Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
3. A. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ B. Execution Date: <u>ALL: May 14, 2008</u>					
4. A. Patent Application No.(s) <u>12/126,274</u> B. Patent No.(s) Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No C. Title of Application: <u>PERPENDICULAR MAGNETIC RECORDING HEAD</u>					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: <u>James A. Oliff</u> Address: OLIFF & BERRIDGE, PLC P.O. Box 320850 Alexandria, VA 22320-4850 Phone Number: 703-836-6400 Fax Number: 703-836-2787			6. Total number of applications and patents involved: <u>1</u> 7. Please charge Deposit Account No. 15-0461 the total fee (37 CFR 3.41) in the amount of <u>\$40.00</u> . 8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.		
9. Statement and signature. <i>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.</i> <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;">  _____ James A. Oliff Registration No. 27,075 Jesse O. Collier Registration No. 53,839 </div> <div style="width: 35%; text-align: right;"> Date: <u>May 23, 2008</u> </div> </div>					

CH \$40.00 150461 12126274

For Non-U.S. Clients

ASSIGNMENT

Whereas, I/we,

NameAddress1) **Toshinori WATANABE**

c/o ALPS ELECTRIC CO., LTD.,

1-7, Yukigaya-otsuka-cho,
Ota-ku, Tokyo 145-8501 Japan

c/o ALPS ELECTRIC CO., LTD.,

2) **Toru TAKAHASHI**1-7, Yukigaya-otsuka-cho,
Ota-ku, Tokyo 145-8501 Japan

hereinafter called assignor(s), have invented certain improvements in
Perpendicular Magnetic Recording Head

and executed an application for Letters Patent of the United States of America therefor on even date herewith unless
otherwise indicated below:

filed on _____, Serial No. _____; and

Whereas

TDK Corporation1-13-1, Nihonbashi,
Chuo-ku, Tokyo 103-8272 Japan

(assignee), desires to acquire the entire right, title and interest in the application and invention, and to any United States
patents to be obtained therefor;

NOW THEREFORE, be it known that, for good and valuable consideration from assignee, the receipt of which is
hereby acknowledged, I/WE, as assignor(s), have sold, assigned, transferred, and set over, and do hereby sell, assign,
transfer, and set over unto the assignee, its lawful successors and assigns, MY/OUR entire right, title, and interest in and to
this invention and this application, and all divisions, and continuations thereof, and all Letters Patent of the United States
which may be granted thereon, and all reissues thereof; and I/WE hereby authorize and request the Commissioner of
Patents and Trademarks of the United States to issue all Letters Patent for this invention to assignee, its successors and
assigns, in accordance with the terms of this Assignment;

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with
assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal
proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or
desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional,
continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its
successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being
understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and
assigns.

INVENTORSDATE SIGNED

1):

Name:

Toshinori Watanabe**Toshinori WATANABE**May 14, 2008

2):

Name:

Toru Takahashi**Toru TAKAHASHI**May 14, 2008