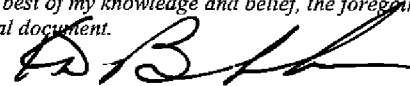


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Total number of pages including cover sheet, attachments, and document: <u>1</u>					
1. A. Name of conveying parties:  <div style="text-align: center; font-weight: bold;">Kosuke TANAKA</div> B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. A. Name and address of receiving party:  <div style="text-align: center; font-weight: bold;">           TDK CORPORATION            1-13-1, NIHONBASHI            CHUO-KU, TOKYO 103-8272            JAPAN         </div> 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>November 30, 2007</u>			4. A. Patent Application No. <u>11/976,545</u> B. Patent No.(s)  <div style="text-align: center;">Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</div> C. Title of Application: <u>METHOD OF ETCHING MAGNETORESISTANCE FILM BY USING A PLURALITY OF METAL HARD MASKS</u>		
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: <u>James A. Oliff</u>  Address: <b>OLIFF &amp; BERRIDGE, PLC</b> <b>P.O. Box 320850</b> <b>Alexandria, VA 22320-4850</b> <b>Phone Number: 703-836-6400</b> <b>Fax Number: 703-836-2787</b>			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. <b>Statement and signature.</b> <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; align-items: flex-end;"> <div style="text-align: center;">             _____            James A. Oliff Registration No. 27,075            Kirk D. Berkheimer Registration No. 59,874         </div> <div style="text-align: right;">           Date: <u>December 17, 2007</u> </div> </div>					

CH \$40.00 150461 11976545

For Non-U.S. Clients

**ASSIGNMENT**

Whereas, I/we,

NameAddress

(c/o) TDK Corporation,

1) **Kosuke TANAKA**1-13-1, Nihonbashi,  
Chuo-ku, Tokyo 103-8272 Japan

hereinafter called assignor(s), have invented certain improvements in

**METHOD OF ETCHING MAGNETORESISTIVE FILM BY USING A PLURALITY OF METAL HARD MASKS**

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

filed on October 25, 2007, Serial No. 11/976545; and

Whereas

**TDK Corporation**1-13-1, 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:

Kosuke Tanaka  
**Kosuke TANAKA**November 30, 2007