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Attorney Docket No. 117724

Please record the attached original document or copy thereof.

1. A. Name of conveying parties:  
Kazuki SATO  
Takeo KAGAMI

B. Additional name(s) of conveying party(ies) attached?  
☐ Yes ☒ No

2. A. Name and address of receiving party:  
TDK CORPORATION  
1-13-1, NIHONBASHI, CHUO-KU, TOKYO  
103-8272 JAPAN

3. A. Nature of conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other \_\_\_\_\_

B. Execution Date: All) October 14, 2003

B. Additional name(s) & address(es) attached?  
☐ Yes ☒ No

4. A. If this document is being filed together with a new application, the execution date of the application is: All) October 14, 2003

B. Patent Application No.(s) \_\_\_\_\_

C. Patent No.(s) \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James A. Oliff

Address: OLIFF & BERRIDGE, PLC  
P.O. Box 19928  
Alexandria, VA 22320

6. Total number of applications and patents involved: 1

7. A. Total fee (37 CFR 3.41).....\$ 40.00

B. Enclosed (Check No. 148128)

8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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9. 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.

James A. Oliff  
James A. Oliff Registration No. 27,075  
Thomas J. Pardini Registration No. 30,411

Date: November 10, 2003

Total number of pages including cover sheet, attachments, and document: 2

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11/10/03

# ASSIGNMENT

Whereas, I/we,

NameAddress

(c/o) TDK Corporation,

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

(c/o) TDK Corporation,

1-13-1, Nihonbashi,  
Chuo-ku, Tokyo 103-8272 Japan1) **Kazuki SATO**2) **Takeo KAGAMI**

hereinafter called assignor(s), have invented certain improvements in  
**Thin-Film Magnetic Head and Method of Making the Same**

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

Whereas filed on \_\_\_\_\_, Serial No. \_\_\_\_\_; and

**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): Kazuki Sato  
 Name: Kazuki SATO

October 14, 2003

2): Takeo Kagami  
 Name: Takeo KAGAMI

October 14, 2003

(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)