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2-21-03

Attorney Docket No. 114464

To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

1. A. Name of conveying parties:  
Makoto SHIBATA  
Masahiro MIYAZAKI  
Kazuhiko MAEJIMA  
  
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: February 14, 2003

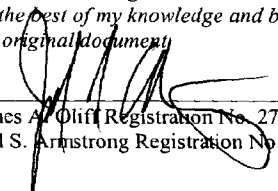
B. Additional name(s) & address(es) attached?  
 Yes  No

4. A. If this document is being filed together with a new application, the execution date of the application is: February 14, 2003  
  
B. Patent Application No.(s) 10369615  
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. 139264)  
  
8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.

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 Registration No. 27,075  
Joel S. Armstrong Registration No. 36,430

Date: February 21, 2003

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

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PATENT  
REEL: 013807 FRAME: 0717

**ASSIGNMENT**

Whereas, I/we,

NameAddress

- |                             |  |
|-----------------------------|--|
| 1) <b>Makoto SHIBATA</b>    | c/o TDK Corporation,<br>1-13-1, Nihonbashi,<br>Chuo-ku, Tokyo 103-8272 Japan |
| 2) <b>Masahiro MIYAZAKI</b> | c/o TDK Corporation,<br>1-13-1, Nihonbashi,<br>Chuo-ku, Tokyo 103-8272 Japan |
| 3) <b>Kazuhiko MAEJIMA</b>  | c/o TDK Corporation,<br>1-13-1, Nihonbashi,<br>Chuo-ku, Tokyo 103-8272 Japan |

hereinafter called assignor(s), have invented certain improvements in  
**Rotary Head and Magnetic Recording/Reproducing Apparatus**

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

filed on February 21, 2003, Serial No. \_\_\_\_\_; and

Whereas

**TDK Corporation**

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

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): Name:	<u>Makoto Shibata</u> Makoto SHIBATA	<u>Feb 14, 2003</u>
2): Name:	<u>Masahiro Miyazaki</u> Masahiro MIYAZAKI	<u>Feb 14, 2003</u>
3): Name:	<u>Kazuhiko Maejima</u> Kazuhiko MAEJIMA	<u>Feb 14, 2003</u>

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