To the Honorable Commissioner of Patents and Trademarks:

1. Name of conveying party:
   Norikazu NAKAMURA
   Hiroshi CHIBA
   Yoshiharu KASAMATSU
   Takayuki MUSASHI
   Yukiko OSHIKUBO
   Tsukasa ITANI
   Additional name(s) of conveying party(ies) attached? ( ) Yes (X) No

2. Name and address of receiving party(ies):
   Name: FUJITSU LIMITED
   Internal Address: ____________________________
   Street Address: 1-1, Kamikodanaka 4-chome,
   Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan
   City: ______________ State: __________ ZIP: ______
   Additional name(s) & address(es) attached: ( ) Yes (X) No

3. Nature of conveyance:
   (X) Assignment
   ( ) Merger
   ( ) Security Agreement
   ( ) Change of Name
   ( ) Other
   Execution Date: Dec. 13, 2004; Dec. 13, 2004; Dec. 16, 2004;
   Dec. 17, 2004; Dec. 20, 2004; Dec. 14, 2004

4. Application number(s) or patent number(s):
   If this document is being filed together with a new application, the execution date of the application is:
   A. Patent Application No.(s)
      11/047,364
   B. Patent No.(s)
   Additional numbers attached? ( ) Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:
   Patrick G. Burns
   Name: Greer, Burns & Crain, Ltd.
   Internal Address: 300 South Wacker Drive
   Suite 2500
   Chicago, Illinois 60606
   Street Address: ____________________________
   City: ______________ State: __________ ZIP: ______
   Additional name(s) & address(es) attached: ( ) Yes (X) No

6. Total number of applications and patents involved: [ ] 1

7. Total fee (37 CFR 3.41) ................. $ 40.00
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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.
   Patrick G. Burns
   Name of Person Signing
   Signature
   April 21, 2005
   Date
   Total number of pages including cover sheet, attachments, and document:
   3

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Washington, D.C. 20231

PATENT
REEL: 016494 FRAME: 0020
UTILITY PATENT

ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

Name: Norikazu NAKAMURA
Address: c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

Name: Takayuki MUSASHI
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Name: Yukiko OSHIKUBO
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Name: Yoshihiko KASAMATSU
Address: c/o FUJITSU LIMITED, 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

hereby assigns, transfers and sets over to:

Name: FUJITSU LIMITED
Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as:

MAGNETIC RECORDING MEDIUM, HEAD SLIDER AND MANUFACTURING METHODS THEREFOR

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

(a) executed on _____________________; or

(b) filed on 01/31/2005, Serial No. 11/047,364;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof; (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.
(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Date Dec. 13, 2004
Signature of inventor Naozumi Nakamura

Date Dec. 13, 2004
Signature of inventor Hiroshi Chiba

Date Dec. 16, 2004
Signature of inventor Yoshikazu Kasamatsu

Date Dec. 17, 2004
Signature of inventor Takayuki Maseki

Date Dec. 20, 2004
Signature of inventor Yukiko Oshikubo

Date Dec. 14, 2004
Signature of inventor Tsuneo Kono