

(Rev. 6-93)
OMB No. 0651-0011(exp. 4/94)



To the Honorable Commissioner of Patents and Trademarks: Please

102889774

hereof.

1. Name of conveying party: 11-17-04
Takeshi HARA
Additional name(s) of conveying party(ies) attached? () Yes (X) No

2. Name and address of receiving party(ies)
Name: FUJITSU LIMITED
Internal Address: 1-1, Kamikodanaka 4-chome,
Street Address: Nakahara-ku, Kawasaki-shi,
Kanagawa 211-8588 Japan

19270 U.S. PTO
10/991070

3. Nature of conveyance:
(X) Assignment () Merger
() Security Agreement () Change of Name
() Other _____

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached: () Yes (X) No

Execution Date: **11/8/04**

4. Application number(s) or patent number(s): 10/991070
If this document is being filed together with a new application, the execution date of the application is: **11/8/04**

A. Patent Application No.(s) B. Patent No.(s)

Additional numbers attached? () Yes (X) No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Patrick G. Burns**
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
(X) Enclosed
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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]
Signature

November 17, 2004
Date

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

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1529.72002

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UTILITY PATENT

ASSIGNMENT

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

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

Name:
Address:

Name:
Address:

Name:
Address:

Name:
Address:

Name:
Address:

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 DISK APPARATUS, METHOD OF CONTROLLING A MAGNETIC DISK, AND PROGRAM FOR CONTROLLING A MAGNETIC DISK

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 _____,
Serial No. ____/ _____;

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 Nov. 8, 2004

Signature of inventor 
Takeshi HARA

Date _____

Signature of inventor _____

Date _____

Signature of inventor _____

Date _____

Signature of inventor _____

Date _____

Signature of inventor _____