

3-16-04 PAT 102700628

TO THE DIRECTOR OF THE US PATENT AND TRADEMARK OFFICE
SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENT

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):
 1. Hiroyuki NAKA
 2. _____
 3. _____
 4. _____
 5. _____
 6. _____
 7. _____
 8. _____

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:
 NAME: KABUSHIKI KAISHA TOSHIBA
 ADDRESS: 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan
 ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO 101800972

3. NATURE OF CONVEYANCE (DOCUMENT):
 (Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)
 ASSIGNMENT OF WHOLE PART INTEREST
 ORIGINAL FACSIMILE/PHOTOCOPY
 CHANGE OF NAME VERIFIED TRANSLATION
 SECURITY MERGER OTHER:
 EXEC. DATE: March 9, 2004

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) March 9, 2004

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no	M#	1 st INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 st INVENTOR if not in item 1
UNKNOWN	0308795				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:
 Pillsbury Winthrop LLP
 Intellectual Property Group
 P.O. Box 10500 McLean, VA 22102

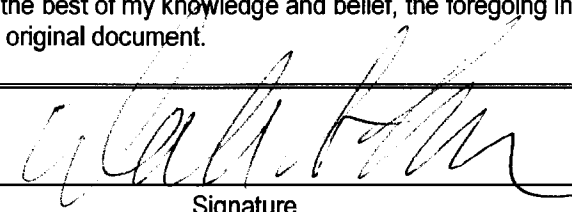
6. NUMBER INVOLVED:
 APPLNS 1 + PATS 0 = TOTAL = 1

7. AMOUNT OF FEE DUE: (Code 8021)
 ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:
 P 0308795 T2TT-03S1322-1
 MATTER NO. CLIENT REF.


8. PLEASE CHARGE TO OUR DEPOSIT ACCOUNT
 NUMBER: 03-3975
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9. 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.

Signature: 

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 3

Attorney: Dale S. Lazar
 Reg. No. 28872 Date: March 16, 2004
 Atty/Sec: DSL/nlh TEL: (703) 905-2126 FAX: (703) 905-2500

17497 U.S. PTO
 10/800972

 031604

FILE WITH PTO RETURN RECEIPT (PAT-103A)

03/17/2004 DBYRNE 00000128 033975 10800972

01 FC:8021 40.00 DA

In consideration of value received, I, having a residence as stated below above my name, the sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are listed below) of an invention described in an application for United States patent entitled:

METHOD AND APPARATUS FOR READ ERROR RECOVERY IN A DISK DRIVE WITH A GMR READ HEAD

sell and assign to
KABUSHIKI KAISHA TOSHIBA
 a Japanese corporation, having a business address at
 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan

their successors, and assigns or nominees, hereinafter referred to as "Assignee", my entire right, title and interest in and to said invention as disclosed, shown and described in said United States patent application:

(check one) executed concurrently herewith
 executed on _____ ;
 Application No. _____, filed _____ ;

and in and to all applications for patent and patents for invention including all divisions, reissues, continuations, substitutes and extensions thereof and all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property, including rights of priority, resulting from the filing of any of said applications; and I authorize and request any official whose duty is to issue patents, to issue any patent on said invention or resulting therefrom to said Assignee, and I agree that on request and without further consideration, but at the expense of said Assignee, I will communicate to said Assignee or its representatives all facts known to me respecting said invention and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing, continued prosecution, reissue, or other applications, make all rightful oaths and declarations, and generally do everything possible to aid said Assignee to obtain and enforce proper patent protection for said invention.

I hereby grant the following law firm the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the Rules of the U.S. Patent and Trademark Office for recordation of this document.

Pillsbury Winthrop LLP, 1600 Tysons Boulevard McLean, Virginia 22102

ASSIGNMENT

(03S1322-1)

[1st Inventor]

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Mailing Address: c/o Intellectual Property Division, Toshiba Corporation, 1-1, Shibaura 1-chome,
Minato-ku, Tokyo 105-8001, Japan

Country of Citizenship: Japan

Hiroyuki Naka

Hiroyuki Naka

March 9, 2004

Date

RECORDING OFFICER:

After recording, please return to:

Pillsbury Winthrop LLP

1600 Tysons Boulevard McLean, Virginia 22102

RECORDED: 03/16/2004

PATENT
REEL: 015095 FRAME: 0781