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102163086

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

1. Kazuhito SHIMOMURAI  
3.  
5.  
7.  
2.  
4.  
6.  
8.

*07/09/02*

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

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: Kabushiki Kaisha Toshiba

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Minato-Ku,  
Tokyo, JAPAN

*10/190702*

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED?  YES  NO

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: June 24, 2002

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) June 24, 2002

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 <sup>st</sup> INVENTOR if not in item 1	B. PATENT NO(S)	M#	1 <sup>st</sup> INVENTOR if not in item 1
NEW	292914				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

**Pillsbury Winthrop LLP**  
**Intellectual Property Group**  
1600 Tysons Boulevard McLean, VA 22102

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

7. AMOUNT OF FEE DUE: (Code 581)  
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

292914  
MATTER NO. T2TT-01S1291-1  
CLIENT REF.

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

UNDER ORDER NO 8312 292914  
dup. sheet not required CLIENT NO. MATTER NO.

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.

*Glenn J. Perry*  
Signature

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

Attorney: Glenn J. Perry

Reg. No. 28458

Atty/Sec: gjp/ml

TEL: (703) 905-2161

Date: July 9, 2002

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

07/19/2002 6TON11 00000088 033975 10190702

01 FC:581 40.00 CH

# A S S I G N M E N T

In consideration of value received, I, having a mailing address at c/o Intellectual Property Division, KABUSHIKI KAISHA TOSHIBA, 1-1 Shibaura 1-chome, Minato-ku, Tokyo 105-8001, Japan and a residence as stated below next to 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 SERVO TRACK WRITE IN DISK DRIVE FOR PERPENDICULAR  
MAGNETIC RECORDING

said application having been filed on \_\_\_\_\_  
and assigned Application No. \_\_\_\_\_ ;  
sell and assign to \_\_\_\_\_

KABUSHIKI KAISHA TOSHIBA  
a corporation of Japan, having a business address at  
1-1 Shibaura 1-chome, Minato-Ku, Tokyo, Japan

its successors, 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 application for United States patent: (check one)

executed concurrently herewith;

executed separately herefrom:

and in and to all applications for patent and patents for said invention, in all countries of the world, including all divisions, reissues, continuations, substitutions 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 proceeding, sign all lawful papers, execute all divisional, continuing, 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 in all countries.

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

01S1291-1

Inventor: (Signature)

Date

Residence

*Kazuhito Shimomura*  
Kazuhito Shimomura

*June 24, 2002*

Akishima-shi, Japan

RECORDING OFFICER:

After recording please return to:  
Pillsbury Winthrop LLP

1600 Tysons Boulevard  
McLean, Virginia 22102

RECORDED: 07/09/2002

PATENT  
REEL: 013095 FRAME: 0899