

TO THE ASSISTANT COMMISSIONER

SIR: PLEASE RECORD THE ATTACHED ORIGINAL DOCUMENTS ON COVER SHEET OF.

102040346

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

1. Soichi OIKAWA  
3. Takashi HIKOSAKA  
5.  
7.

2. Yoichiro TANAKA  
4. Futoshi NAKAMURA  
6.  
8.

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

U.S. PTO  
10/101949  
03/21/02

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

NAME: Kabushiki Kaisha Toshiba

ADDRESS: 1-1 Shibaura 1-chome, Minato-ku, Tokyo, Japan

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

10/101949

## 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 8, 2002

EXECUTION DATE(S) ON THE DECLARATION IF FILED HERewith: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) March 8, 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 Application	291100				

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 \_\_\_\_\_ = TOTAL = 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)

ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

P 291100

T7KK-01S0831-1

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE  
INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975

UNDER ORDER NO

8312

291100

MATTER NO.

CLIENT REF.

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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.

10. Total number of pages including this  
cover sheet, attachments and document  
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3

Signature

Attorney: Glenn J. Perry

Reg. No. 28458

Date: March 21, 2002

Atty/Sec: gjp/vaw

TEL: (703) 905-2161

FAX: (703) 905-2500

FILE WITH PTO RETURN RECEIPT (PAT-103A)

03/25/2002 MAHMED1 00000038 10101949

03 FC:581

40.00 0P

# 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:

PERPENDICULAR MAGNETIC RECORDING MEDIUM AND MAGNETIC RECORDING-REPRODUCING  
APPARATUS USING THE SAME

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, contin-  
uations, substitutions and extensions thereof and all rights arising  
under or pursuant to any and all international agreements, treaties or  
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to issue any patent on said invention or resulting therefrom to said  
Assignee, and I agree that on request and without further consideration,  
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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 Assi-  
gnment 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

# A S S I G N M E N T

01S0831-1

Inventor: (Signature)

Date

Residence

<i>Soichi Oikawa</i>	<i>March 8, 2002</i>	<i>Yokohama-shi, Japan</i>
Soichi Oikawa		

<i>Yoichiro Tanaka</i>	<i>March 8, 2002</i>	<i>Kawasaki-shi, Japan</i>
Yoichiro Tanaka		

<i>Takashi Hikosaka</i>	<i>March 8, 2002</i>	<i>Tokyo, Japan</i>
Takashi Hikosaka		

<i>Futoshi Nakamura</i>	<i>March 8, 2002</i>	<i>Yamato-shi, Japan</i>
Futoshi Nakamura		


RECORDING OFFICER:

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RECORDED: 03/21/2002

PATENT  
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