BOX ASSIGNMENTS	03-19	-2002	DO NOT USE	FOR TRADEMARKS		
TO THE ASSISTANT COMMISSIONE SIR: PLEASE RECORD THE ATTACH	R OF	21 <u>972</u>	OF.			
1. NAME OF CONVEYING PARTY(IE						
1. Nobuyuki SAKAMOTO 3.		2. 4.		• 60		
5. 03//	1/02	6.		2 3 5		
		8.				
ADDITIONAL NAME(S) OF CONVEYI	NG PARTY(IES) ATTACHI	ED?∐YES ⊠NO		8		
2. PARTY(IES) (ASSIGNEE(S)) RECE	IVING INTEREST:			£ 1		
NAME: Kabushiki Kaisha Toshiba						
ADDRESS: 1-1 Shibaura 1-chome, Min	nato-ku, Tokyo, Japan					
ADDITIONAL NAME(S) & ADDRESS(I	ES) ATTACHED? TYES	MNO				
3. NATURE OF CONVEYANCE (DOC						
(Submit herewith only one docume	nt for recordation—multiple	copies of same Ass	ignment signed by differe	ent inventors is one		
document) ⊠ASSIGNMENT OF ⊠Wł	HOLE PART INTER	DEST EYE	C. DATE: March 4, 2002	2		
	CSIMILE/PHOTOCOPY	LOI EXL	.C. DATE. Watch 4, 2002	2		
CHANGE OF NAME	RIFIED TRANSLATION					
	OTHER:	MITH MOTE IF D	ATEO ON DEGLADATIO	N. AND		
EXECUTION DATE(S) ON THE DECL ASSIGNMENT DIFFER SEE ATTY!) N		WITH: (NOTE: IF D)	ATES ON DECLARATION	N AND		
4.5 APPL. NO.(S) OR PAT NO.(S). O		SHEET(S) attached?	YES NO			
A. PAT. APP. NO.(S) M#	1st INVENTOR	B. PATENT NO(S)		1st INVENTOR		
series code/serial no New Application 290793	if not in item 1			if not in item 1		
New Application 290793 5. Name & Address of Party to Whom	Correspondence	6. NUMBER INV	OLVED:			
Concerning Document Should be M		APPLNS				
Pillsbury Winthrop LLP		7. AMOUNT OF F	EE ENCLOSED: (Code 5	581)		
Intellectual Property Group		ABOVE TOTAL	. x \$40 = \$40			
1600 Tysons Boulevard McLean, VA 22102						
Wolden, VYC ZZTOZ						
5.5 ATTY DKT:			S MISSING OR INADEQUA			
P 290793	T2TT-01S0937	UNDER ORDER N	TO DEPOSIT ACCOUNT I	290793		
MATTER NO.	CLIENT REF.	dup, sheet not require		MATTER NO.		
9. To the best of my knowledge and b	elief, the foregoing informa	tion is true and corre	ect and any attached cop	y is a true copy of		
the original document.						
	<u> </u>	10. Total number of	of pages including this			
		cover sheet, attachments and document 3		3		
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	1					
Attorney: Glenn J. Perry Reg. No. 28458		Date: March 11	. 2002			
V	(703) 905-2161		3) 905-2500			
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PATENT PAT-114X 10/01

ASSIGNMENT

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 CONTROLLING SPINDLE MOTOR TO MATCH PLURAL MODES OF OPERATION IN A DISK DRIVE

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 Fatent: (check one)

 \times 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 invension 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

PATENT REEL: 012673 FRAME: 0549

Inventor: (Signature)	<u>Date</u>		Residence	Residence		
obvyvli Sahamoto buyuki Sakamoto	mouch	4,2002	Ome-shi, Japan	t - w. t		
buyuki Sakamoto						

After recording please return to: Pillsbury Winthrop LLP

1600 Tysons Boulevard McLean, Virginia 22102

RECORDED: 03/11/2002

PATENT REEL: 012673 FRAME: 0550