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-	FORM PTO-1595 03 - 25	0 - 1999 U.S. DEPARTMENT OF COMMERCE	
i	1-31-92 MAR 0 1 1899	Patent and Trademark Office	
	7217/57359	05070	
To the Honorable Commission of Patents and Ordemark 100995679 thereof.			
Q	1. Name of conveying party(ies). ** *********************************	Name and address of receiving party(ies):	
	Fumio Horie		
•		Name: Sony Corporation Internal Address:	
(γ)	Additional name(s) of conveying party(ies) attached? Yes No	memai Address.	
	3. Nature of Conveyance:	Street Address: 7-35 Kitashinagawa 6-chome	
	X Assignment	Shinagawa-ku, Tokyo, Japan	
	Assignment Weiger	C' ZID	
	Security Agreement Change of Name	City State ZIP	
	Execution Date: February 16, 1999	Additional name(s) & address(es) attached? Yes X No	
	4. Application number(s) or patent number(s):		
	If this document is being filed together with a new application, the execution date of the application is:		
	A. Patent Application No.(s)	B. Patent No.(s)	
	09/216,839		
	Additional numbers attached? Yes No		
	concerning document should be mailed:	6. Total number of applications and patents involved:	
	Name: <u>Jay H. Maioli</u> Internal Address: Cooper & Dunham LLP	7. Total fee (37 CFR 3.41):\$40.00	
	Internal Address: Cooper & Dunnam LLP	7. Total fee (37 CFR 3.41)	
		X Enclosed	
		Authorized to be charged to deposit account	
	Street Address: 1185 Avenue of the Americas	8. Deposit account number:	
	C' N V 1 C 1 N V 1 7 ID 10036	duplicate copy of this page if paying by deposit account)	
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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 of the original document.		ation is true and correct and am attached comise a true come of	
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	Name of Person Signing Signature February 23, 1999 Date		
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	this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to		
	the office of Management and Budget, Paperwork Reduction Project. (0651-0011). Washington, D.C. 20503		

PATENT REEL: 9838 FRAME: 0496

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in DISK DRIVE APPARATUS for which application for Letters Patent of the United States of America was executed by me on the date indicated next to my name and address;

AND WHEREAS, Sony Corporation, a Japanese corporation with offices at6-7-35 Kitashinagawa, Shinagawa-Ku, Tokyo, Japan (hereinafter reference as ASSIGNEE) is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereof;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and or, for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereof;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

And I hereby authorize and request my attorney(s) of record in this application to insert the serial number and filing date of this application in the spaces that follow: Serial Number 09/216,839 , Filing Date December 21, 1998

PATENT REEL: 9838 FRAME: 0497

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This assignment executed on the dates indicated below.

FUMIO HORIE

Name of first or sole inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of first or sole inventor

Fumio Horil
Signature of first or sole inventor

Fabruary 16, 1999
Date of this assignment

PATENT
RECORDED: 03/01/1999 REEL: 9838 FRAME: 0498