FORM PTO-1595 07-27		07-27-1998	U.S. DEPARTMENT OF COMMERCE VER SHEET Patent and Trademark Office	
			X	
o the Commissioner of Patents 100776952		100776952	ed original documents or copy thereof.	
١.	Name of conveying party(ies):		2. Name and address of receiving party(ies):	
	JUNICHI HORIGOME SHIGEO YAMAGUCHI TAKAYOSHI CHIBA	22-98	Name: Sony Corporation Internal Address:	
Addit	ional name(s) of conveying pa Yes X	nty(ies) attached?	Street Address: 7-35, Kitashinagawa 6-Chome  City, State and Zip: Shinagawa-ku, Tokyo, JAPAN	
3.	Nature of Conveyance:		Additional Name(s) & address(es) attached?	
므	Assignment  Security Agreement  Other	Merger Change of Name	☐ Yes X No	
	Execution Date: June 5, 1  June 5, 1			
4.	Application number(s) or pat	ent number(s):		
	A. Patent Application No.(s Filed: April 13, 1998	) 09/059,477	B. Patent No.(s) Yes X No	
		whom correspondence concerning	6. Total number of applications and patents involved:	
	document should be mailed:	·		
	Name: <u>Charles P. Sammut</u>		7. Total fee (37 CFR 3.41):\$ 40.00	
	Internal Address: Limbach & Limbach L.L.P. Street Address: 2001 Ferry Building City, State, ZIP: San Francisco, California 94111 Telephone: (415) 433-4150 Facsimile: (415) 433-8716		X Enclosed Charge any deficiencies in the enclosed fee to Deposit Account No. 12-1420 Authorized to be charged to deposit account	
	Attorney Docket No. SONY-P83		8. Deposit account number: 12-1420	
	DO NOT USE THIS SPACE			
		DO NOT USE	THIS STACE	
9.	Statement and signature.  To the best of my knowledge and be	elief, the foregoing information is true an	d correct and any attached copy is a true copy of the original document.	
:	Charles P. Sammut, Reg. Name of Person Sig	ning	Signature Date	
07/24	4/1998 DNGHYEN 00000117 09059	5	pages including cover sheet, attachments and document: 1	
21 F	C:581	40.00 dp	h this portion	
	Mail documents to be recorded with		n mis bornon	
	Mail documents to be recorded with required cover sheet information to:  Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231			
	Public burden reporting for this sam document and gathering the data need	ple cover sheet is estimated to average aboded, and completing and reviewing the s of Information Systems, PK2-1000C, Was	yout 30 minutes per document to be recorded, including time for reviewing the ample cover sheet. Send comments regarding this burden estimate to the U.S. shington, D.C. 20213, and to the Office of Management and Budget, Paperwork	

Docket Number: SONY-P8352

## 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 INFORMATION REPRODUCING APPARATUS AND REPRODUCING METHOD

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 at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referenced 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 thereto;

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 thereto;

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: 09/059, 477 Filing Date: April 13, 1998.

This assignment executed on the dates indicated below.

JUNICHI HORIGOME	
Name of first or sole inventor	Execution date of U.S. Patent Application
KANAGAWA, JAPAN	
Residence of first or sole inventor	June 5, 1998
Signature of first or sole inventor	Date of this assignment

SHIGEO YAMAGUCHI	
Name of second inventor	Execution date of U.S. Patent Application
KANAGAWA, JAPAN	
Peridence of second investor	
Shige Jamaquohi Sizzaturo of socood inventor	June 5, 1998  Date of this assignment
Signature of second inventor	Date of this assignment
·	
TAKAYOSHI CHIBA	
Name of third inventor	Execution date of U.S. Patent Application
TOKYO, JAPAN Residence of third invector	
Jakaroshi Chilla .  Signature of third inventor	June 5, 1998
Signature of third inventor	Date of this assignment
<b>0.52-1-</b> 0.0 1	
	•
Name of fourth inventor	Execution date of U.S. Patent Application
Residence of fourth inventor	
Signature of fourth inventor	Date of this assignment
•	
Name of fifth inventor	Execution date of U.S. Patent Application
Residence of fifth laventor	
	•
Sizenture of fifth inventor	Date of this assimulation

PATENT REEL: 9337 FRAME: 0419