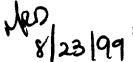
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## 08-25-1999

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Execution Date:	August 17. 1999	
	nugust 17, 1777	
Application number	(s) or patent number(s):	
If this document is	s being filed together with a new appli	cation, the execution date of the application is:
A. Patent Applica B. Filed: June 2	ation No. 09/339,513 4, 1999	B. Patent No.(s)
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·		j ,55 [r] 110
Name and address o document should be	f party to whom correspondence concerni	
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document should be  Name: Charles P.  Internal Address:	f party to whom correspondence concerni mailed: Sammut Limbach & Limbach L.L.P.	6. Total number of applications and patents involved: 1  7. Total fee (37 CFR 3.41):\$40.00  Enclosed  Tyl Charge any deficiencies in the enclosed fee to
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01 FC:581

40.00 OP

Docket Number: SONY-P9596

## 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 REPRODUCTION APPARATUS AND REPRODUCTION 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 he reby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and in erest 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 acheres, 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 at d without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, at plications 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 pipers 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 a coassible 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 vould 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: 09/339,513 Filing Date: 6/24/1999

This assignment executed on the dates indicated below.

MASATOSHI NISHINO		
Name of first or sole inventor	Execution date of U.S. Patent Application	
KANAGAWA, JAPAN		
Residence of first or sole inventor		
Masatoshi Nishino	August 17, 1999	
ignature of first or sole inventor	Date of this assignment	

PATENT REEL: 010182 FRAME: 0939