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U.S. DEPARTMENT OF COMMERCE	
MOV 3 0 2001 &	11.3001
7217/65201	11. 30
To the Honorable Commissioner of Patents and 1 1. Name of conveying part of Patents and 1	nts or copy thereof. Name and address of receiving party(ies):
Katsunori Murozaki	
Koji Nageno	Name: Sony Corporation
Aditional name(s) of conveying party(ies) attached? Yes X No	Internal Address:
3. Nature of Conveyance:	
	Street Address: 7-35 <u>Kitashinagawa 6-chome</u> Shinagawa-ku, Tokyo, Japan
X Assignment	
Security Agreement Change of Name	City State ZIP
Other	Additional name(s) & address(es) attached? Yes X No
Execution Date: October 26, 2001	Additional name(s) & address(es) attached: 11 1es 22 10
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	
	P. Boront Nio (c)
A. Patent Application No.(s)	B. Patent No.(s)
09/941,143	
Additional numbers attached?	Yes X No 6. Total number of applications and patents involved: 1
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and pateries in order
Name: Jay H. Maioli Internal Address: Cooper & Dunham LLP	7. Total fee (37 CFR 3.41):
	X Enclosed
	Authorized to be charged to deposit account
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Street Address:1185 Avenue of the Americas	03-3125
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of the original document.	
Jay H. Majoli, Reg. No.27,213 Date	
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PATENT REEL: 012334 FRAME: 0413

S01P13170US00 Docket Number 7217/65201

ASSIGNMENT

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

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 09/941,143 Filing Date 8/28/01

PATENT REEL: 012334 FRAME: 0414 This assignment executed on the dates indicated below.

RECORDED: 11/30/2001

<u>Katsunori Murozaki</u>	
Name of first or sole inventor	Execution date of U.S. Patent Application
Chiba, Japan	
Residence of first or sole inventor	
Katsunon Murozaki Signature of first or sole inventor	October 26, 2001
Signature of first or sole inventor	Date of this assignment
Koji Nageno	Name
of second or sole inventor	Execution date of U.S. Patent Application
Tokyo, Japan	
Residence of first or sole inventor	
Heli Mayero	CC 26 2001
Signature of first or sole inventor	Date of this assignment

PATENT REEL: 012334 FRAME: 0415