RECORDATION FO	U.S. DEPARTMENT OF COMMEI United States Patent and Trademark O
PATENTS ONLY To the Director of the U.S. Patent and Tradomark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies)/Execution Data(s).	
TAKESHI IGARASHI (8/23/2001), YUTAKA FUKUYAMA (8/24/2001), AND TAKASHI SUEZAKI (8/27/2001)	2. Name and address of receiving party(ies)
	Name: SONY CORPORATION Internal Address:
Execution Date(s): in parentheses after inventor name	Street Address:
Additional name(s) of conveying party(les) attached? Yes X No	l e e e e e e e e e e e e e e e e e e e
3. Nature of Conveyance:	7-35, Kitashinagawa 6-chome Shinagawa-ku, Tokyo
<u> </u>	141-0001
	JAPAN
Security Agreement Change of Name	City
Government Interest Assignment	City:
Executive Order 9424, Confirmatory License	State:
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Other	Additional name(s) & address(es) Yes X No
	B. Patent No.(s) 7,088,643
Additional numbers attached?	Yes X No
lame and address to whom correspondence oncerning document should be mailed:	6. Total number of applications and
me: Dennis M. Smid	patents involved:
LERNER, DAVID, LITTENBERG,	7. Total for (27. CED 4. CAULA
	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
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ernal Address: Atty, Dkt.: SONYJP 3,0-774 DIV CONT i set Address: 600 South Avenue West Westfield	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
ernal Address: Atty, Dkt.: SONYJP 3,0-774 DIV CONT i eet Address: 600 South Avenue West	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 3. Payment Information
### Property of the Number:	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 3. Payment Information
### Westfield ### ### ### ### ### ### ### ### ### #	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 3. Payment Information a. Credit Card Last 4 Numbers Expiration Date
### Westfield ### ### ### ### ### ### ### ### ### #	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) B. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 12-1095
ernal Address: Atty, Dkt.: SONYJP 3,0-774 DIV CONT i eet Address: 600 South Avenue West Westfield e:	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 3. Payment Information a. Credit Card Last 4 Numbers Expiration Date
### Westfield ### ### ### ### ### ### ### ### ### #	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 12-1095 Authorized User Name Dennis M. Smid, Esq.
### Westfield ### ### ### ### ### ### ### ### ### #	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 3. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number Authorized User Name Dennis M. Smid, Esq. November 16, 2006
### Westfield ### ### ### ### ### ### ### ### ### #	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) 8. Payment Information a. Credit Card Last 4 Numbers Expiration Date b. Deposit Account Number 12-1095 Authorized User Name Dennis M. Smid, Esq.

PATENT REEL: 018535 FRAME: 0879



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 RECORDING AND/OR REPRODUCING APPARATUS AND RECORDING MEDIUM CARTRIDGE HOLDER 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) are 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 09/851.821 , Filing Date 5/9/01

PATENT REEL: 018535 FRAME: 0880 LDLKM

S01P0719US00

This assignment executed on the dates indicated below.

<u>Takeshi Igarashi</u>	
Name of first or sole inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of first or sole inventor	
Takeshi Igarashi	August 23, 2001
Signature of first or sole inventor	Date of this assignment
Yutaka Fukuyama	
Name of second inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of second inventor	
Signature of second inventor	Acg. 25. Joo / Date of this assignment
Signature of second inventor	Date of this assignment
Takashi Suezaki	·
Name of third inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of third inventor	
Takashi Suezaki	August 27, 2001
Signature of third inventor	Date of this and

PATENT REEL: 018535 FRAME: 0881

RECORDED: 11/16/2006