FORM PTO-1595 09 - 24	1-1998 U.S. DEPARTMENT OF COMMERCE
1-31-92	Patent and Trademark Offic
To the Honorable Commissioner of Patents and 1. 10083	.ts or copy thereof.
Name of conveying party(ies):	Name and address of receiving party(ies):
Shinya Ozaki, Tatsuya Iijima and Masaki Yamada	W.C.
Additional name(s) of conveying party(ies) attached? Yes No	Name: Sony Corporation Internal Address:
	montal 7504 655
3. Nature of Conveyance:	
	Street Address: 7-35 Kitashinagawa 6-chome
Assignment	Shinagawa-ku, Tokyo, Japan
	City State ZIP
Security Agreement Change of Name	
Execution Date: September 8, 1998	Additional name(s) & address(es) attached? Yes No
4. Application number(s) or patent number(s):	09/153801
	- 1/132001
If this document is being filed together with a new application, the execution	on date of the application is: September 8, 1998
A. Patent Application No.(s)	B. Patent No.(s)
	rs attached? Yes X No
Additional number	
5. Name and address of party to whom correspondence	6. Total number of applications and patents involved: 1
concerning document should be mailed:	
Name: Jay H. Maioli	7. Total fee (37 CFR 3.41):\$40.00
Internal Address: Cooper & Dunham LLP	7. Total fee (37 CFR 3.41) \$ 40.00
	Enclosed
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	Authorized to be charged to deposit account
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the original document.	λ
\]	. <i>V.</i>
Jay H. Maioli	September 15, 1998
Name of Person Signing Signature	Date
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	ffice of Information Systems, PK2-1000C, Washington, D.C. 20231, and to
	Sign (0651 0011) Washington D.C. 20502

PATENT REEL: 9466 FRAME: 0177

Docket Number:	56833
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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 DATA RECORDING METHOD AND APPARATUS AND DATA REPRODUCING METHOD AND 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 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 this application in the spaces that follow: Serial Number:	
This assignment executed on the dates indicated below.	
SHINYA OZAKI	September 8, 1998
Name of first or sole inventor	Execution date of U.S. Patent Application
KANAGAWA, JAPAN	
Residence of first or sole inventor Shinya Ozaki Signature of first or sole inventor	September 8, 1998
Signature of first or sole inventor	Date of this assignment

PATENT REEL: 9466 FRAME: 0178

·	September 8, 1998
TATSUYA IIJIMA	Execution date of U.S. Patent Application
Name of second inventor	בשבוושטוו פצוט טו טוט. רצוטוו הקקומטוסב
TOKYO, JAPAN	
Residence of second inventor	Cint. Las & 1900
Signature of second inventor	September 8, 1998
Signature of second inventor	Date of this assignment
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	- 1 1 D 100C
MASAKI YAMADA	September 8, 1998
Name of third inventor	Execution date of U.S. Patent Application
KANAGAWA, JAPAN	
Residence of third inventor	
Masaki Yamada .	September 8, 1998 Date of this assignment
Signature of third investor	Date of this assignment
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Name of fourth inventor	Execution date of U.S. Patent Application
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Residence of fourth inventor	
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	Date of this assignment
Signature of fourth inventor	· 5000 00 and angular
	- Carlon
Neme of fifth inventor	Execution data of U.S. Patent Application
Residence of पिरंघे inventor	·
Signature of fifth laveator	Date of this essignment

PATENT REEL: 9466 FRAME: 0179

RECORDED: 09/15/1998