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	Name: SONY CORPORATION
Execution Date(s): January 29, 2001	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes x No	Street Address: 7-35, Kitashinagawa 6-chome
	Shinagawa-ku
3. Nature of Conveyance:	Tokyo
Assignment	141-0001
Security Agreement Change of Name	JAPAN
Government Interest Assignment	City:
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Committatory Elderise	Country: Zip:
x Other	Additional name(s) & address(es) attached;
Correction to Reel/Frame = 011536/0279 =	Yes X No
Deletion of Assignee, Keio University	
4. Application or patent number(s):	his document is being filed together with a new application.
A. Patent Application No.(5)	B. Patent No.(s)
	7,082,198
Additional numbers attached?	Yes X No
. Name and address to whom correspondence	
concerning document should be mailed:	6. Total number of applications and patents Involved:
Name: Robert B. Cohen	<u> </u>
LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP	
KKOWI JOEZ & WENTER, ELP	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
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Phone Number: (908) 518-6316	a. Credit Card Last 4 Numbers Expiration Date
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rcohen@ldlkm.com	Authorized User Name Robert B. Cohen
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Signature	
Robert B. Cohen - 32,768	Total number of none instrution
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**PATENT REEL: 018679 FRAME: 0560** 

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FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE 11	001
1-31-92	Patent and Trademark Office
7217/6Z910 (FEB 1 !	MANININ 3 12.01
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1. Name of conveying party(ics):	Name and address of receiving party(ics):
Makoto Ishii	
	Name: Sony Corporation
Aditional name(s) of conveying party(ies) attached? Yes No	Internal Address:
3. Nature of Conveyance:	Street Address: 7-35 Kitashinagawa 6-chome
X Assignment	Shinagawa-ku, Tokyo, Japan
Security Agreement Change of Name	City State ZIP
Other	Additional name(s) & address(es) attached? Yes No
Execution Date: January 29, 2001  4. Application number(s) or patent number(s):	
4. Ophicanon number(s) or burning management.	
If this document is being filed together with a new application, the execution date of the application is: <u>January 29, 2001</u>	
A. Patent Application No.(s)	B. Patent No.(s)
09/697,110	
	1
Additional numbers attached	
Name and address of party to whom correspondence     concerning document should be mailed:	6. Total number of applications and patents involved:
Name: Jay H. Maioli Internal Address: Cooper & Dunham LLP	7. Total fee (37 CFR 3.41): \$40.00
Internal Address: Cooper & Dunnam LLP	_·
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PATENT REEL: 018679 FRAME: 0561 \$00P1295U\$00 Docket Number 7217/62910

## 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 <u>DATA</u> (if plural names are listed below) of certain new and useful improvements in <u>DATA</u> RECEIVING UNIT THEREFOR 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 M. I. Witashinagawa, Shinagawa-Ku, Tokyo, Japan and Kele University an educational initials date inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitution located at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitude at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitude at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitude at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitude at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitude at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitude at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitude at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as inotitude at 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as 2 15 45 Mita Minato Ku, Tokyo, Japan (hereinafter reference as 2 15

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 ASSIGNES, 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, 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 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

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 application to Serial Number 09/697.110 Filing Date October 26, 2000 spaces that follow: Serial Number 09/697.110 PATENT

REEL: 018679 FRAME: 0562

S00P1295US00

This assignment executed on the dates indicated below.

LDLKM

<u> Makoto Ishii</u>

Name of first or sole inventor

Execution date of U.S. Patent Application

<u>Kanaqawa, Japan</u>

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

**PATENT** 

**REEL: 018679 FRAME: 0563** 

**RECORDED: 12/21/2006**