FORM PTO-1595 U.S. DEPARTMENT OF COMMERCE	
	Patent and Trademark Office
To the Honorable Commissions of Patent and Trademark 10229	
1. Name of conveying party (ex.)	Name and address or receiving party(ies):
Jun Hirai Yoonki Choi  Additional name(s) of conveyor party(ies) and ied?  Yes X No	Name: Sony Corporation Internal Address:
3. Nature of Conveyance:	
Assignment Merger	Street Address: 7-35 Kitashinagawa 6-chome Shinagawa-ku, Tokyo, Japan
Security Agreement Change of Name	City State ZIP
Other Execution Date: November 8, 2002, November 11, 2002	Additional name(s) & address(es) attached?  Yes  No
4. Application number(s) or patent number(s):	
If this document is being filed together with a new application, the execution date of t	the application is
A. Patent Application No.(s)	B. Patent No.(s)
10/223,532	
Additional numbers attached	Yes X No
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name:Jay 11. Maioli Internal Address:Cooper & Dunham LLP	7. Total fee (37 CFR 3.41):\$ 40.00
	Enclosed
Street Address: 1185 Avenue of the Americas	Authorized to be charged to deposit account  8. Deposit account number:
•	03-3125 (Attach duplicate copy of this page if paying by deposit account)
City: New York State; New York ZIP 10036	copy of this page it paying by deposit account)
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9. Statement and signature.	
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.  Jay H. Maioli, Reg. No.27,213 Name of Person Signing Date  November 14, 2002 Date	
Name of Person Signing Mgnature	Date
	Total Number of pages comprising cover sheet: 1
OMB No. 0651-0011 (exp. 4/94)	hts postion
Mail documents to be recorded with required cover sheet information to:	nis portion
Commissioner of Patents and Trademarks    60.61	
Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the office of Management and Budget, Paperwork Reduction Project. (0651-0011). Washington, D.C. 20503	

S02P1070US00 Docket Number 7217/67666

## 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 <a href="https://doi.org/10.1001/joint-new-addition-n

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 10/223,532, Filing Date 08/19/02

PATENT REEL: 013502 FRAME: 0803 This assignment executed on the dates indicated below.

Jun Hirai	
Name of first or sole inventor	Execution date of U.S. Patent Application
Tokyo, Japan	
Residence of first or sole inventor	
1x Jun Idini	November 8, 2002
Signature of first or sole inventor	Date of this assignment
Yoonki Choi	
Veenki Choi	
Name of second inventor	Execution date of U.S. Patent Application
Tokyo, Japan	
Residence of second inventor	,
1 x Horaphisu	) ( V NOV 11, 2002
Signature of second inventor	Date of this assignment

PATENT REEL: 013502 FRAME: 0804

**RECORDED: 11/18/2002**