orm PTO-1595 (Rev. 09/ 04) DMB No. 0651-0027 (exp. 6/30/2005)	U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office			
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1. Name of conveying party(ies)/Execution Date(s): HIROSHI YAMAGUCHI (12/06/2004) AND ICHIRO HAMADA (12/06/2004)	2. Name and address of receiving party(les)			
	Name: SONY CORPORATION			
Execution Date(s): in parentheses after inventor name  Additional name(s) of conveying party(ies) attached? Yes X No  3. Nature of Conveyance:  X Assignment Merger	Street Address: 7-35, Kitashinagawa 6-chome Shinagawa-Ku Tokyo 141-0001 JAPAN			
Security Agreement Change of Name Government Interest Assignment	City:			
Executive Order 9424, Confirmatory License  Other	Country: Zip:  Additional name(s) & address(es) Yes X No attached:			
4. Application or patent number(s):  A. Patent Application No.(\$)  10/520,684  Additional numbers attached	This document is being filed together with a new application.  B. Patent No.(s)  .  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 LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Atty. Dkt.: Street Address: 600 South Avenue West	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00  Authorized to be charged by credit card  X Authorized to be charged to deposit account  Enclosed  None required (government Interest not affecting title)			
City:         Westfield           State:         NJ         Zip:         07090           Phone Number:         (908) 518-6316           Fax Number:         (908) 654-7866	8. Payment Information  e. Credit Card Lest 4 Numbers Expiration Date  b. Deposit Account Number 12-1095 Authorized User Name Robert B. Cohen			
9. Signature:  Robert B. Cohen - 32,768	January 31, 2005  Date  Total number of pages including cover sheet, attachments, and documents:			

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**PATENT REEL: 015644 FRAME: 0879** 

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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 mew and useful improvements in CONTENT DELIVERY SYSTEM, CONTENT DELIVERY APPARATUS, CONTENT RECORDING AND REPRODUCTION METHOD, AND COMPUTER PROGRAM

APPARATUS AND CONTENT RECORDING AND REPRODUCTION METHOD, AND COMPUTER PROGRAM 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 filling 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 application to insert the serial number and filing date of this application in the spaces that follow: International Application No. PCT/JP04/005560 International Filing DatApril 19, 2004

This assignment executed on the dates indicated below.

Hiroshi YAMAGUCHI

Name of first or sole inventor	Execution date of U.S. Patent Application	
Chiba, Japan		
Residence of first or sole inventor	_	
Hiroshi Ymagudii	December 6, 2004	
Signature of first or sole inventor	Date of this assignment	

PATENT REEL: 015644 FRAME: 0880

## S04P0649US00

Ichiro HAMADA	
lame of second inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of second inventor	
Mivo Hamada	December 6, 2004  Date of this assignment
ightature of second inventor	
Name of third inventor	Execution date of U.S. Patent Application
Residence of third inventor	
Signature of third inventor	Date of this assignment
Name of fourth inventor	Execution date of U.S. Patent Application
Residence of fourth inventor	
Signature of fourth inventor	Date of this assignmen
	Execution date of U.S. Patent Application
Name of fifth inventor	Execution date of City attentity pro-
Residence of fifth inventor	
Signature of fifth inventor	Date of this assignment

RECORDED: 02/01/2005

PATENT REEL: 015644 FRAME: 0881