(Rev. 03/ 01) OMB No. 0651-0027 (exp. 5/31/200)	F	U.S. DEPARTM U.S. Paten	MENT OF CO at and Tradem
OMB 140, 0031-0027 (exp. 3/31/200)		16061	
To the Honorable Commiss	ioner of Patonio and Trademarks:	Please record the attached original docume	nts or copy
Name of conveying part	rty(ies):	2. Name and address of receiving p	arty(ies)
(a) Naoki Fujisawa, (b) Kiy (c) Yoshiyuki Takao	yonobu Kojima, and	Name: Sony Corporation Internal Address:	7
Additional name(s) of conveying p attached?	earty(ies) Yes X No	Street Address: 7-35, Kitashinagawa 6-chome Shinagawa-ku	FINANCE
3. Nature of Conveyance:			33
x Assignment	Merger		EG .
Security Agreement	Change of Name	City: Tokyo	CTIO
Other	سب		ip: 141-000
	2/20/2002 /b) 2/20/2002	Additional name(s) &)
Execution Date: (a)	3/20/2003; (b) 3/20/2003; (c) 3/25/2003	address(es) attached:	Yes x
 Application number(s) If this document is being filed to A. Patent Application No. 10/328,464 	ogether with a new application, the	execution date of the new application is: B. Patent No.(s):	
5. Name and address of party to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:	1
Name: Robert B. Cohen	LITTENDEDO KOLIMILOLZ (
LERNER, DAVID, MENTLIK, LLP	LITTENBERG, KRUMHULZ 6	7. Total fee (37 CFR 3.41) \$	40.0
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LERNER, DAVID, MENTLIK, LLP Street Address: 600 Sout City: Westfield 9. Statement and signature. To the best of my knowled is a true copy of the origin	State: Zip: NJ 07090 DO NOT USI dge and belief, the foregoing in the land document.	7. Total fee (37 CFR 3.41) Enclosed X Authorized to be charged to grow and second to grow and second to grow and second any and second any and second second any and second sec	o deposit a
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Docket Number: SONYJP 3.0-292 Sony Ref. No.: S02P1580US00

ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address stated next to my name, am a sole inventor (if on y one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in:

APPARATUS AND METHOD FOR SHARING INFORMATION BETWEEN TERMINALS ON A NETWORK

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, Sh nagawa-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 those 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 an I 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 application number and filing date of this application in the spaces that follow: Application Number: 10/328,464, Filing Date: December 23, 2002.

This assignment executed on the dates indicated below.

Naoki Fujisawa			
Name of First or Sole Inventor	Execution Date of U.S. Patent Application		
Tokyo, Japan			
Residence of First or Sole Inventor			
Signature of First or Sole Inventor	March 20, 2003		
Signature of First or Sole Inventor	Date of this Assignment		

PATENT REEL: 013928 FRAME: 0072

Docket Number: SONYJP 3.0-292 Sony Ref. No.: S02P1580US00

Ki /onobu Kojima		
Name of Second Joint Inventor	Execution Date of U.S. Patent Application	
To cyo, Japan		
Residence of Second Joint Inventor		
Sig nature of Second Joint Inventor	Manch 20, 2003	
Signature of Second Joint Inventor	Date of this Assignment	
Yeshiyuki Takao		
Na ne of Third Joint Inventor	Execution Date of U.S. Patent Application	
Ka 1agawa, Japan		
Residence of Third Joint Inventor		
Joshiyuki Jakao Sis nature of Third Joint Inventor	march 25, 2003	
Signature of Third Joint Inventor	Date of this Assignment	

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RECORDED: 04/08/2003

PATENT REEL: 013928 FRAME: 0073