FLH Ref. No.: 450133-04272

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FORM PTO-1595		U.S. DEPARTMENT OF COMMERCE	
(Rev. 6-93)	102546276	Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record use and original documents or copy thereof.			
Name of conveying party(ies) Christopher A. Zimmerman Additional name(s) of conveying party(ies) attach	9.8.0) Name:	<u>고</u> 를 줘	
3. Nature of conveyance: Assignment Security Agreement Merger Change of Name Other Execution Date: August 11, 2003	City: Additional nam	919 East Hillsdale Boulevard Foster City, California 94404-2175 e(s) & address(es) attached? Yes XNo CT	
4. Application number(s) or patent number(s): 10/438,692 If this document is being filed together with a new application, the execution date of the application is: November 11, 2002 A. Patent Application No. B. Patent No.(s) Additional numbers attached? YES XNO			
Name and address of party to whom corresponden document should be mailed:		aber of applications and patents involved	
Name: William S. Frommer, Esq. Internal Address: Frommer Lawrence & Haug I	LLP X E	(37 CFR 3.41)	
Street Address: 745 Fifth Avenue City: New York State: NY Zip: 101	(Attach de	ccount number: 50-0320 uplicate copy of this page if paying by deposit account)	
Do not use this space			
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.			
Hans R. Mahr, Esq.	Hun Mil	September 5, 2003	
Name of Person Signing	Signature	Total number of pages including cover sheet, attachments, and document): 2	
Do not detach this portion Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks Box Assignments Washington, D.C. 20231 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.			
9/09/2003 ECOGPER 00000150 10438692			
L FC:8021 40.00 OP			

ASSIGNMENT

Attorney Docket No.: 450133-04272

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 SELECTIONOF TARGETS FOR ATTACHMENT 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 COMPUTER ENTERTAINMENT AMERICA INC., a Delaware corporation, with offices at 919 East Hillsdale Boulevard, Foster City, California 94404-2175 (hereinafter referred to 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, for 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 application to insert the serial number and filing date of this application in the spaces that follow:

Serial Number: 10/438,692 Filing Date:	May 14, 2003
This assignment executed on the dates indicated b	elow.
Christopher A. ZIMMERMAN Name of first or sole inventor	Execution date of U.S. Patent Application
	Execution date of 0.5.1 atent Application
Bellevue, WA Residence of first or sole inventor	_
alipan	8/11/03
Signature of first or sole inventor	Date of Assignment
Name of second inventor	Execution date of U.S. Patent Application
Residence of second inventor	-
Signature of second inventor	Date of Assignment

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PATENT REEL: 014459 FRAME: 0983