U.S. PTO 12/587449

10/07/2009

10-19-2009

tCE fice

RECORDATION FORM COVER 103577872 PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 1. Name of conveying party(ies)/Execution Date(s): 2. Name and address of receiving party(ies) HARUO OBA (09/01/2009) AND ATSUSHI KOSHIYAMA (09/02/2009) SONY CORPORATION Name: Internal Address: Street Address: Execution Date(s): in parentheses after inventor name X No Additional name(s) of conveying party(ies) attached? 1-7-1 Konan, Minato-ku Tokyo 108-0075 3. Nature of Conveyance: **JAPAN** x Assignment Merger Security Agreement Change of Name Government Interest Assignment State: Executive Order 9424, Confirmatory License Zip: Country: Additional name(s) & address(es) lOther Yes x No attached: x This document is being filed together with a new application. 4. Application or patent number(s): A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached? Yes 5. Name and address to whom correspondence 6. Total number of applications and concerning document should be mailed: patents involved: Name: Dennis M. Smid, Esq. LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP 7. Total fee (37 CFR 1.21(h) & 3.41) Internal Address: Atty. Dkt.: SONYJP 3.0-2023 Authorized to be charged by credit card Street Address: 600 South Avenue West Authorized to be charged to deposit account Enclosed None required (government interest not affecting title) Westfield City: 8. Payment Information 07090 Zip: State: a. Credit Card Last 4 Numbers (908) 518-6374 **Expiration Date** Phone Number: (908) 654-0415 12-1095 Fax Number: b. Deposit Account Number Authorized User Name Dennis M. Smid, Esq. dsmid@ldlkm.com Email Address: . 80006023 121895 9. Signature: 10/16/2009 DBYRNE **ශර්**ෂ්ර්ම් 7, 2009 81 FC:8021 . Date Dennis M. Smid, Esq. - 34,930 Total number of pages including cover 2 sheet, attachments, and documents: Name of Person Signing

Form PTO-1595 (Rev. 09/04) OMB No. 0851-0027 (exp. 6/30/2005)

Attorney Docket No. SONYJP 3.0-2023 SONY Ref. No.: S09P1721US00

ASSIGNMENT

WHEREAS, I, as below named inventors, residing at the addresses stated next to our names, 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

APPARATUS, SYSTEM, METHOD, AND PROGRAM FOR PROCESSING INFORMATION

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 1-7-1 Konan, Minato-ku, Tokyo, Japan (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, 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 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.

	this application to insert the serial number and filing date of this application in, Filing Date:
This assignment executed on the dates indicated below.	
HARUO OBA	September 1, 2009 Execution date of U.S. Patent Application
Name of first or sole inventor KANAGAWA JAPAN	Execution date of U.S. Patent Application
Residence of First or sole inventor Signature of first or sole inventor	Setember 1, 2009 Date of this assignment
ATSUSHI KOSHIYAMA Name of second inventor	September 2 2009 Execution date of U.S. Patent Application
TOKYO JAPAN	
Residence of second inventor Atsushi Koshiyama	September 1, 2009 Date of this assignment
Signature of second inventor	Date of this assignment
Name of third inventor	Execution date of U.S. Patent Application
Residence of third inventor	
Signature of third inventor	Date of this assignment

1

PATENT REEL: 023398 FRAME: 0351

RECORDED: 10/07/2009