Form PTO-1595 (Rev. 07/05)
OMB No. 0651-0027 (exp. 7/31/2008)

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PATENTS UNLY	
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1. Name of conveying party(les):	2. Name and address of receiving party(ies)
Hiroya Fujii (06/03/2008) and Koji Shindo (06/09/2008)	Name: Sony Corporation
	Internal Address:
Additional name(s) of conveying party(ies) attached? Yes X No	Street Address:
3. Nature of conveyance/Execution Date(s): Execution Date(s): in parentheses after inventor name X Assignment Merger Change of Name Security Agreement Joint Research Agreement	1-7-1 Konan Minato-Ku,
	City: Tokyo
Government Interest Assignment	State:
Executive Order 9424, Confirmatory License	Country: Zip:108-0075
Other	Additional name(s) & address(es) Additional name(s) & address(es) Yes X No
A. Patent Application No.(s) 29/300,725	This document is being filed together with a new application. B. Patent No.(s)
Additional numbers attached?	? Yes X No
5. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:
Name: RADER, FISHMAN & GRAUER PLLC	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Atty. Dkt.: SDE-2355 Street Address: 1233 20th Street, N.W. Suite 501	Authorized to be charged by credit card X Authorized to be charged to deposit account Enclosed None required (government interest not affecting title)
City: Washington	8. Payment Information
State: DC Zip: 20036	a. Credit Card Last 4 Numbers
Phone Number: (202) 955-3750	Expiration Date
Fax Number: (202) 955-3751	b. Deposit Account Number 18-0013
Email Address:	Authorized User Name Toshikatsu Imaizumi
9. Signature: Signature	July 17, 2008 Date
Toshikatsu İmaizumi - 61,648 Name of Person Signing	Total number of pages including cover sheet, attachments, and documents: 3

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Docket Number: SDE-2355

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

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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, 108-0075 JAPAN, (hereinafter referenced as ASSIGNEES) 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 Ten Dollar (\$10.00), 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 ASSIGNEES, 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 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 ASSIGNEES, 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 ASSIGNEES or its designee, as ASSIGNEES 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;

PATENT REEL: 021274 FRAME: 0332

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Form PTO-1595 (Rev. 07/05) U.S. DEPARTMENT OF COMMERCE OMB No. 0651-0027 (exp. 7/31/2008) United States Patent and Trademark Office RECORDATION FORM COVER SHEET 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): 2. Name and address of receiving party(ies) Hiroya Fujii (06/03/2008) and Koji Shindo Sony Corporation (06/09/2008)Internal Address: Additional name(s) of conveying party(ies) attached? x No Street Address: 3. Nature of conveyance/Execution Date(s): 1-7-1 Konan Execution Date(s): in parentheses after inventor name Minato-Ku. Merger Change of Name x Assignment Joint Research Agreement Security Agreement City: ___ Government Interest Assignment State: Executive Order 9424, Confirmatory License JAPAN Zip: Country: ___ 108-0075 Additional name(s) & address(es) Other Yes x No attached? 4. Application or patent number(s): This document is being filed together with a new application. A. Patent Application No.(s) B. Patent No.(s) 29/300,725 Additional numbers attached? x No Yes 5. Name and address to whom correspondence 6. Total number of applications and concerning document should be mailed: patents involved: Name: RADER, FISHMAN & GRAUER PLLC 7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00 Internal Address: Atty. Dkt.: SDE-2355 Authorized to be charged by credit card Street Address: 1233 20th Street, N.W. Authorized to be charged to deposit account Suite 501 Enclosed None required (government interest not affecting title) City: Washington 8. Payment Information 20036 a. Credit Card State: Zip: Last 4 Numbers (202) 955-3750 **Expiration Date** Phone Number: (202) 955-3751 Fax Number: b. Deposit Account Number 18-0013 Authorized User Name Toshikatsu Imaizumi Email Address: 9. Signature: July 17, 2008 Signature Toshikatsu Imaizumi - 61,648 Total number of pages including cover sheet, attachments, and documents: Name of Person Signing

> PATENT REEL: 021274 FRAME: 0333

RECORDED: 07/17/2008