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103478303 PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below. 2. Name and address of receiving party(ies) 1. Name of conveying party(ies): Takeshi Matsui Sony Corporation Internal Address: Additional name(s) of conveying party(ies) attached? Street Address: 3. Nature of conveyance/Execution Date(s): 1-7-1 Konan, Minato-ku Tokyo, 108-0075 Execution Date(s): December 12, 2007 **JAPAN** Merger Change of Name x Assignment Security Agreement Joint Research Agreement City: Government Interest Assignment State: Executive Order 9424, Confirmatory License Country: Additional name(s) & address(es) x No Yes Other 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) 12/009274 This application x No Additional numbers attached? Yes 6. Total number of applications and 5. Name and address to whom correspondence patents involved: concerning document should be mailed: Name: Randy J. Pritzker 40.00 WOLF, GREENFIELD & SACKS, P.C. 7. Total fee (37 CFR 1.21(h) & 3.41) \$___ Authorized to be charged by credit card Internal Address: Street Address: Federal Reserve Plaza Authorized to be charged to deposit account 600 Atlantic Avenue Enclosed None required (government interest not affecting title) B. Payment Information Boston City: a. Credit Card Last 4 Numbers Zip: 02210-2206 State: **Expiration Date** (617) 646-8000 Phone Number: b. Deposit Account Number (617) 646-8646 Fax Number: **Authorized User Name** rpritzker@wolfgreenfield.com Email Address: 9. Signature: January 17, 2008 Kundy I- bitche Total number of pages including cover Randy J. Pritzker - 35,986 sheet, attachments, and documents: Name of Person Signing 11/22/2008 WASFAW1 00000003 12009274 40.00 GP

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	Docket Number:
ASS	SIGNMENT
WHEREAS, I, as a below named inventor, only one name is listed below) or a joint inventor (if plural recording MEDIUM DRIVE APPARATUS, RECORDING MEDIUM DRIVE APPARATUS	residing at the address stated next to my name, am a sole inventional are listed below) of certain new and useful improvements if MEDIUM, AND DRIVING METHOD FOR RECORDING
	CA
for which application for Letters Patent of the United States of and address;	of America was executed by me on the date indicated next to my i
Tokyo, Japan (hereinafter referenced as ASSIGNEE) is desiron	r any Letters Patent or similar legal protection which may be gra
the receipt and sufficience of which are hereby acknowledged hereby assign, sell and transfer unto the said ASSIGNEE, its interest in the said invention, said application, including any Patent of the United States, and countries foreign thereto, which rights and/or convention rights under the International Convent Relating to Patents, Designs and Industrial Models, and any adheres, and to any other benefits accruing or to accrue to me	successors, assigns, and legal representatives, the entire right, title divisions and continuations thereof, and in and to any and all Le ch may be granted for said invention, and in and to any and all prision for the Protection of Industrial Property, Inter-American Conver other international agreements to which the United States of American with respect to the filing of applications for patents or securing I hereby authorize and request the Commissioner of Patents to issue
ASSIGNEE or its designee, as ASSIGNEE or its successors,	rable and lawful future documents, including assignments in favor assigns and legal representatives may from time-to-time present to a said invention, modifications, and improvements in said inven- tries foreign thereto;
papers for application for foreign patents, for filing subdivision	nd without further remuneration, such necessary or desirable and lations of said application for patent, and or, for obtaining any reissures or esaid invention, as the ASSIGNEE thereof shall hereafter require
And I further agree that ASSIGNEE will, upon its relating to said application, said invention and said Letters Paccessible to me and will testify as to the same in any interfe	request, be provided promptly with all pertinent facts and docum atent and legal equivalents in foreign countries as may be known trence or litigation related thereto;
And I hereby covenant that no assignment, sale, agree would conflict with this assignment and sale.	ement or encumbrance has been or will be made or entered into w
And I hereby authorize and request my attorney(s) of his application in the spaces that follow: Serial Number:	record in this application to insert the serial number and filing date:
This assignment executed on the dates indicated belo	ow.
Takeshi MATSUI	December 12, 2007
Name of first or sole inventor	Execution date of U.S. Patent Applica

PATENT REEL: 020441 FRAME: 0699

December 12, 2007

Date of this assign

RECORDED: 01/17/2008

Tokyo, Japan

Signature of first or sole inventor