Form PTO-1595 (Rev. 03-11) OMB No. 0651-0027 (exp. 03/31/2015)	U.S. DEPARTMENT OF COMMER United States Patent and Trademark Off
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	
Asuka Suzuki	
Additional name(s) of conveying party(les) attached?  3. Nature of conveyance/Execution Date(s):  Execution Date(s): January 25, 2010  X Assignment Merger Change of Name  Security Agreement Joint Research Agreement  Government Interest Assignment  Executive Order 9424, Confirmatory License  Other  4. Application or patent number(s):  A. Patent Application No.(s)	Name: Sony Corporation Internal Address:  Street Address:  1-7-1 Konan, Minato-ku Tokyo 108-0075 JAPAN  City:  State:  Country: Zip: Additional name(s) & address(es) Yes X No attached?  X This document is being filed logether with a new application. B. Patent No.(s)
Additional numbers attache  Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and
Name: Bruno Polito LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP Internal Address: Atty. Dkt.; Street Address: 600 South Avenue West	7. Total fee (37 CFR 1,21(h) & 3.41) \$ 40.00  X Authorized to be charged to deposit account Enclosed  None required (government interest not affecting title
City: Westfield	8. Payment Information
State:         NJ         Zip:         07090           Phone Number:         908-654-5000           Fax Number:         908-654-7866	Deposit Account Number 12-1095
Email Address:ataylor@idlkm.com	Authorized User Name Bruno Polito
Signature:	March 13, 2013  Date
Bruno Polito - 38,580	Total number of pages including cover sheet, attachments, and documents:

PATENT REEL: 030021 FRAME: 0500 LDLKM → USPTO ASSIG

Attorney Docket No. SONYJP3.0-2186 SONY Ref. No.: S10P0399US00

## **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 IMAGE PICKUP APPARATUS, CONTROL METHOD FOR THE SAME, AND PROGRAM THEREOF

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.

he spaces that follow: Serial Number:	in this application to insert the serial number and filing date of this application in, Filing Date:
This assignment executed on the dates indicated bolow.	- 35 3-10
ASUKA SUZUKI	January 25, 2010
Name of first or sole inventor OSAKA JAPAN	Execution date of U.S. Patent Application
Residence of First or sole inventor Asuka Suzuki	January 25, 2010
Signature of first or sole inventor	Date of this assignment
Name of second inventor	Execution date of U.S. Patent Application
Residence of second inventor	
Signature of second inventor	Date of this assignment
Name of third inventor	Execution date of U.S. Patent Application
Residence of third inventor	

The Act of Atlanta and a

PATENT REEL: 030021 FRAME: 0501

RECORDED: 03/13/2013