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To the Director of the U.S. Patent and	cuments or the new address(es) below.		
1. Name of conveying party(les)/Execution Date(s):	2. realing and address of receiving party(les)		
ASUKA SUZUKI			
	Name: SONY CORPORATION		
	Name: SONY CORPORATION Internal Address:		
Execution Data(s): Innuary 25, 2010	Street Address:		
Execution Date(s): January 25, 2010 Additional name(s) of conveying party(les) attached? Yes X No 1-7-1 Konan, Minato-ku			
	Tokyo		
3. Nature of Conveyance:	108-0075		
X Assignment Merger	JAPAN		
Security Agreement Change of Name	City:		
Government Interest Assignment	· · · · · · · · · · · · · · · · · · ·		
Executive Order 9424, Confirmatory License	Country: Zip:		
Other	Additional name(s) & address(es) 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)		
This application	, ,		
••			
	I [
Additional numbers attached?	Yes X No		
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) \$ 40.00		
	70.00		
Internal Address: Atty. Dkt.: SONYJP 3.0-2186 Authorized to be charged by credit card			
Internal Address: Atty. Dkt.: SONYJP 3.0-2186 Authorized to be charged by credit card			
Street Address: 600 South Avenue West			
	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	a. Credit Card Last 4 Numbers 93/11/2010 #Nation #10800014 121095 12660620		
Phone Number: (908) 518-6374	b. Deposit Appropriation Date DA 12-1095		
Fax Number: (908) 654-0415 Email Address: dsmid@ldlkm.com	Authorized User Name Dennis M. Smid, Esq.		
9. Signature:			
March 2, 2010 Signature Date			
Signature 24 020	Total must be of source including arrays.		
Dennis M. Smid, Esq 34,930 Name of Person Signing	sheet, attachments, and documents:		

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 Letter 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 the spaces that follow: Serial Number:, Filing Date:				
This assignment executed on the dates indicated below.				
ASUKA SUZUKI	January 25, 2010			
Name of first or sole inventor	Execution date of U.S. Patent Application			
OSAKA JAPAN	· ·			
Residence of First or sole inventor Asuka Suzuki	January 25, 2010 Date of this assignment			
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				
Signature of third inventor	Date of this assignment			

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PATENT REEL: 024074 FRAME: 0349