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AIPING LIAO (09/25/2006) AND ICHIRO		
JENO (09/26/2006)		
	Name: SONY CORPORATION	
	Internal Address:	
the second partie	Street Address:	
xecution Date(s): in parentheses after inventor name		
additional name(s) of conveying party(ies) attached? Yes X No	7-35, Kitashinagawa 6-chome Shinagawa-ku, Tokyo	
Nature of Conveyance:	141-0001 JAPAN	
x Assignment Morger		
Security Agreement Change of Name	City:	
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Executive Order 9424, Confirmatory License	Country: Zip:	
Executive Order 9424, Committees y 200	Additional name(s) & address(es) Yos X No	
Other	This document is being filed together with a new application.	
Additional numbers attache	d? Yas X No	
. Name and address to whom correspondence concerning document should be mailed:	6. Total number of applications and 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	
Internal Address; Atty. Dkt.:	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	8. Payment Information	
City: V3347050 State: NJ Zip: 07090	a. Credit Card Last 4 Numbers	
Phone Number: (908) 518-6374	Expiration Date 12-1095	
Fax Number: (908) 654-0415	b. Deposit Account Number 12-1095  Authorized User Name Darren M, Simon, Esq.	
Email Address: dsmid@ldlkm.com	Authorized Oser Manie	
9. Signature:		
M. Samuel	August 6, 2007	
Signaturo	Date	
Darren M. Simon, Esq 47,946	Total number of pages including cover sheet, attachments, and documents:	
Name of Person Signing		

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PATENT REEL: 019656 FRAME: 0391 LDLKM

→ USPTO ASSIGNMENT 🛭 003/004

	S06P1391US00	
	SONYJP 3.0-1262	
Docket	Number:	_

## ASSIGNMENT

WHEREAS, I, as a below named inventor, residing at the address only one name is listed below) or a joint inventor (if plural names are listed below) only one name is listed below).	stated next to my name, am a sole inventor (if of certain new and useful improvements in
only one name is listed below) or a joint inventor (if plots hames me have only one name is listed below) or a joint inventor (if plots hames me have only one name is listed below) or a joint inventor (if plots hames me have only one name is listed below) or a joint inventor (if plots hames me have only one name is listed below) or a joint inventor (if plots hames me have only one name is listed below) or a joint inventor (if plots hames me have only one name is listed below) or a joint inventor (if plots hames me have only one name is listed below).	4 - 1

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 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo, Japan (hereinafter referenced 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 hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and hereby assign, sell and transfer unto the said application, including any divisions and continuations thereof, and in and to any and all Letters interest in the said invention, said application, including any divisions and continuations, and in and to any and all priority 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 Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America Relating to Patents, Designs and Countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the patents in the United States Letters Patent to said ASSIGNEE, as the assignce 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.

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 in the spaces that follow: Serial Number: 11/595,244 Filing Date: November 9, 2006

This assignment executed on the dates indicated below.

	September 25, 2006
Baiping LIAO	Execution date of U.S. Patent Application
Name of that or sole inventor	
Saitama, Japan	
Residence of first or sale inventor	September 25, 2006
Baiping Liao  Signature of first or sole inventor	Date of this assignment
Signature of first of sole invenee	

PATENT REEL: 019656 FRAME: 0392

S06P1391US00

	Soptomber 26, 2006
Ichiro UENO Name of second inventor	Execution date of U.S. Patent Application
Saitama, Japan Residence of second inventor	September 26, 2006 Date of this assignment
Signature of second inventor	Date of this assignment
	Execution date of U.S. Patent Application
Name of third inventor	
Residence of third inventor	
Signature of third inventor	Date of this assignment
	Execution date of U.S. Patent Application
Name of fourth inventor	Execution date of O.S. Fateric Apparential
Residence of fourth inventor	
Signature of fourth inventor	Date of this assignment
	Execution date of U.S. Patent Application
Name of lifth inventor	Execution date of U.S. Patent Application
Residence of fifth inventor	
Signature of fifth inventor	Date of this assignment
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**RECORDED: 08/06/2007** 

PATENT REEL: 019656 FRAME: 0393