FOLM PTO-1595 (Re : 6-93)	TER SHEET  U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office  7	
To the Honorable Commis	cord the attached original documents or copy thereof.	
1. Name of conveying party(ies):  Yutaka Nakagawa	2e and address of receiving party(ies)	
Katsuhiko Ueno	Name: SONY CORPORATION	
	Internal Address: a Japanese Corporation	
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		
3. Nature of conveyance:	Street Address: 7-35 Kitashinagawa, 6-Chome	
☐ Assignment ☐ Merger		
☐ Security Agreement ☐ Change of Name	City: Shinagawa-Ku State: Tokyo	
Other Correction to second inventor's name	Country: Japan	
Execution Date: July 31, 1998 and August 3, 1998	Additional name(s) & address(es) attached? ☐ Yes ☒ No	
4. Application number(s) or patent number(s):  If this document is being filed together with a new application, the  A. Patent Application No.(s)  09/090,288	execution date of the application is:  B. Patent No.(s)	
07/070,286		
Additional numbers attached? ☐ Yes ☒ No		
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total Number of applications and patents involved: 1	
Name: MARCUS J. MILLET	7. Total Fee (37 CFR 3.41)\$40.00	
Internal Address: LERNER, DAVID, LITTENBERG,	☐ Enclosed	
KRUMHOLZ & MENTLIK, LLP		
Street Address: 600 South Avenue West	8. Deposit account number:	
City: Westfield State: NJ ZIP: 07090	12-1095	
	(Attach duplicate copy of this page if paying by deposit account)	
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9. Statement and signature.  To the best of my knowledge and belief, the foregoing information original document.	is true and correct and any attached copy is a true copy of the	
MARCUS J. MILLET	Eshmon, 5, 1000	
Name of Person Signing Signature	February 5, 1999  Date	
Total number of pages including cover sheet, attachments, and document: 6		

Mail documents to be recorded with required cover sheet information to:
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	_08-19-1998	
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OMB No. 0651-0011 (exp. 4/94)  PATE		
To the Honorable Commissioner of Patents and Trade.	100796792 Jocuments or copy thereof.	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies)	
Yutaka Nakagawa 8 - 13 - 99	Name: SONY CORPORATION	
Katsuhiki Ueno		
	Internal Address: a Japanese Corporation	
Additional name(s) of conveying party(ies) attached?  Yes  No		
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4. Application number(s) or patent number(s):		
If this document is being filed together with a new application	, the execution date of the application is:	
A. Patent Application No.(s)	B. Patent No.(s)	
09/090,288		
Additional numbers attached? ☐ Yes ☒ No		
Name and address of party to whom correspondence	1	
concerning document should be mailed:	6. Total Number of applications and patents involved:	
concerning document should be maried.		
Name: MARCUS J. MILLET	7. Total Fee (37 CFR 3.41)\$ 40.00	
Internal Address: LERNER, DAVID, LITTENBERG,	☐ Enclosed	
KRUMHOLZ & MENTLIK, LLI	Authorized to be charged to deposit account	
Street Address: 600 South Avenue West	8. Deposit account number:	
City: Westfield State: NJ ZIP: 07090	12-1095	
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O. Statement and signature		
9. Statement and signature.  To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.		
MARCUS J. MILLET	August 11, 1998	
	ature Date	
10 (1000 TT0W11 00000042 121095 09090288 ).		
19/1998 TTUN11 00000043 121095 09070EH humber of pages including cover sheet, attachments, and document: 3 FC:581 40.00 CH		
FC:581 40.00 CH		

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898 10631 4500

Docket Number: SONYJP 3.0-028

## 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: CAMERA APPARATUS 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 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. And I hereby authorize and request my attorney(s) of record in this application to insert the application number and filing date of this application in the spaces that follow: Application Number: 09/090,288, Filing Date: June 4, 1998. This assignment executed on the dates indicated below. 3/ July 98
Execution Date of U.S. Patent Application Yutaka Nakagawa Name of First or Sole Inventor Kanagawa, Japan Residence of First or Søle Inventor Signature of First or Sole Inventor 3/ July 198

Date of this Assignment

> PATENT REEL: 9753 FRAME: 0874

S98 P063100

Docket Number: SONYJP 3.0-028

Katsuhiko Ueno
Name of Second Joint Inventor

Execution Date of U.S. Patent Application

Kanagawa, Japan
Residence of Second Joint Inventor

Aug. '98

Signature of Second Joint Inventor

Date of this Assignment

Residence of Third Joint Inventor

Execution Date of U.S. Patent Application

Residence of Third Joint Inventor

Date of this Assignment

Execution Date of U.S. Patent Application

Date of Third Joint Inventor

Date of this Assignment

PATENT REEL: 9753 FRAME: 0875

FORM PTO-1595 (Re <sup>*</sup> . 6-93) RECORDATION FOR	M COVER SHEET  U.S. DEPARTMENT OF COMMERCI Patent and Trademark Offici	
OMB No. 0651-0011 (exp. 4/94)  PATENTS ONLY		
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.		
Name of conveying party(ies):     Yutaka Nakagawa     Katsuhiko Ueno	2. Name and address of receiving party(ies)  Name: SONY CORPORATION  Internal Address: a Japanese Corporation	
Additional name(s) of conveying party(ies) attached? ☐ Yes ☒ No		
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City: Westfield State: NJ ZIP: 07090	12-1095  (Attach duplicate copy of this page if paying by deposit account)	
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MARCUS J. MILLET	February 5, 1999	
Name of Person Signing Signature	Date	

Total number of pages including cover sheet, attachments, and document: 6



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NOVEMBER 06, 1998

LERNER, DAVID, LITTENBERG ET AL. MARCUS J. MILLET 600 SOUTH AVENUE WEST WESTFIELD, NJ 07090



UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

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RECORDATION DATE: 08/13/1998 REEL/FRAME: 9382/0417

NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

NAKAGAWA, YUTAKA DOC DATE: 07/31/1998

ASSIGNOR:

UENO, KATSUHIKI DOC DATE: 08/03/1998

ASSIGNEE:

SONY CORPORATION, A JAPANESE CORPORATION 7-35 KITASHINGAWA, 6-CHOME SHINAGAWA-KU, TOKYO, JAPAN

RECORDED: 02/05/1999

SERIAL NUMBER: 09090288 FILING DATE: 06/04/1998

PATENT NUMBER: ISSUE DATE:

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PATENT **REEL: 9753 FRAME: 0877**