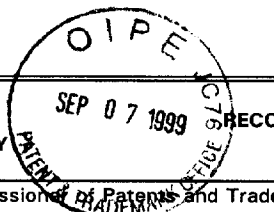


917199



09-13-1999

U.S. Department of Commerce
Patent and Trademark Office

PTO-1595

PATENTS ONLY



101142995

To the Honorable Commissioner of Patents and Trademark
Please record the attached original documents or copy 101142995

1. Name of the conveying party(ies)

Hirobumi Nagumo

Additional name(s) of conveying party(ies) attached? No

2. Name and address of the receiving party(ies):

SONY CORPORATION
7-35 Kitashinagawa, 6-chome,
Shinagawa-Ku, Tokyo, Japan

Additional Names(s) and Address(es) Attached
[] Yes [X] No

3. Nature of conveyance:

 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date(s): August 6, 1999

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 August 24, 1999.
A. Patent Application No(s) B. Patent No(s).

Additional Numbers Attached? [] Yes [X] No

5. Name and address of party to whom correspondence should be mailed:

Philip M. Shaw, Jr.
CROSBY, HEAFEY, ROACH & MAY
4 Embarcadero Center., Suite. 1900
P.O. Box 7936
San Francisco, California 94120-7936
(415) 659-5904 (telephone)
(415) 391-8269 (fax)
DIRECT DIAL: (415) 659-5904
Docket No. 21778.02400

6. Total number of Applications and Patents involved 1

7. Total Fee (37 CFR § 3.41) \$ 40.00
[X] Enclosed [] Previously Paid
[] Authorized to be charged to Deposit Account
8. Deposit Account No. 03-3821. Please reference Attorney
Docket No. _____
(Attached duplicate copy if paying by Deposit Account)

DO NOT USE THIS SPACE

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.

Philip M. Shaw, Jr. Philip M Shaw Jr August 27, 1999
Name of Person Signing Signature Dated

Total number of pages including cover sheet, attachments, and document: 2

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, DC 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, DC 20231, and to the Office of Management and Budget, Paperwork Reduction Products, (0651-0011), Washington, DC 20503.

09/09/1999 TLW11 00000639 09328759
02 FC:561 40.00 OP
12163021.1

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
FILM POSITIONING SYSTEM AND METHOD 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 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 serial number and filing date of this application in the spaces that follow: Serial Number: 09/328,759, Filing Date: June 9, 1999.

This assignment executed on the dates indicated below.

HIROBUMI NAGUMO

Name of first or sole inventor

Execution date of U.S. Patent Application

KANAGAWA, JAPAN

Residence of first or sole inventor

Hirobumi Nagumo

Signature of first or sole inventor

August 24, 1999

Date of this assignment