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New York, New York 10151  
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Attorney Docket No. 450100-05167

Applicants: Katsumi KANEKO, Takashi TSUCHIYA  
For: IMAGE PICK-UP DEVICE AND SYNCHRONIZATION-SIGNAL-GENERATING DEVICE  
U.S. Serial No.: Filed Concurrently Herewith  
Corresponding International Application. No.: PCT/JP2004/010527  
International Filing Date: July 16, 2004

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1. Names of Conveying Parties: Katsumi KANEKO, Takashi TSUCHIYA
2. Names and addresses of receiving parties: SONY CORPORATION  
7-35 Kitashinagawa 6-chome  
Shinagawa-Ku, Tokyo 141-0001, Japan
3. Nature of Conveyance: Assignment  
Execution Date(s): March 3, 2005
4.  Application No.:  
 This document is being filed together with a new application, the execution date of the application is:  
March 3, 2005
5. Name and address of party to whom the recorded assignment and any correspondence concerning the document should be mailed:

William S. Frommer  
Registration No. 25,506  
FROMMER LAWRENCE & HAUG LLP  
745 Fifth Avenue  
New York, New York 10151

6. Total number of applications and patents involved: 1
7. Total Fee (37 CFR 3.41): \$40.00  
 Fee enclosed.
8.  Charge Fee Deposit Account No. 50-0320 (Attach duplicate copy of this page if paying by deposit account).  
 If any additional fee is required, authorization is hereby given to charge Deposit Account No. 50-0320.

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.

William S. Frommer		March 17, 2005
Name of Person Signing	Signature	Date

00262540

**PATENT**  
**REEL: 016980 FRAME: 0379**

**ASSIGNMENT**

FLH File No.: 450100-05167

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 PICK-UP DEVICE AND SYNCHRONIZATION-SIGNAL-GENERATING DEVICE***

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 141, 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.

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: International Serial Number: PCT/JP2004/010527, International Filing Date: July 16, 2004.

This assignment executed on the dates indicated below.

Katsumi KANEKO  
Name of first or sole inventor  
Kanagawa, Japan  
Residence of First or sole inventor  
Katsumi Kaneke  
Signature of first or sole inventor

\_\_\_\_\_  
Execution date of U.S. Patent Application  
March 3, 2005  
Date of this assignment

Takashi TSUCHIYA  
Name of second inventor  
Tokyo, Japan  
Residence of second inventor  
Takashi Tsuchiya  
Signature of second inventor

\_\_\_\_\_  
Execution date of U.S. Patent Application  
March 3, 2005  
Date of this assignment

\_\_\_\_\_  
Name of third inventor  
\_\_\_\_\_  
Residence of third inventor  
\_\_\_\_\_  
Signature of third inventor

\_\_\_\_\_  
Execution date of U.S. Patent Application  
\_\_\_\_\_  
Date of this assignment