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Form PTO-1595 (Rev.03/01) OMB No.0651-0027(exp.5/31/2002) Tab settings		 101752936		U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.					
1. Name of conveying party(ies): Ryuichi UGAJIN Yoshihiko KUROKI Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		2. Name and address of receiving party(ies) Name: <u>SONY CORPORATION</u> Internal Address: _____ _____ _____ Street Address: <u>7-35, Kitashinagawa</u> <u>6-chome, Shinagawa-ku</u> City: <u>Tokyo</u> SAITAMA <u>Japan</u> Zip: _____ Country Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____ Execution Date: <u>May 23, 2001</u>		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) <u>09/786,526</u> B. Patent No.(s) _____ Additional numbers attached? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>			
5. Name and address of party to whom correspondence concerning documents should be mailed: Name: <u>David R. Metzger, Esq.</u> Internal Address: <u>SONNENSCHN NATH</u> <u>& ROSENTHAL</u> _____ Street Address: <u>P.O. Box #061080</u> <u>Wacker Drive Station, Sears Tower</u> City: <u>Chicago</u> State: <u>IL</u> Zip: <u>60606-1080</u>		6. Total number of applications and patents involved: <input type="checkbox"/> 1 7. Total fee (37 CFR 3.41).....\$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account <u>Deficiency in Enclosed Fees</u> 8. Deposit account number: <u>19-3140</u> (Attach duplicate copy of this page if paying by deposit account)			
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9. Statement and signature. <i>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.</i> <u>David R. Metzger</u> <u>David R Metzger</u> <u>June 11, 2001</u> Name of Person Signing Signature Date Total number of pages including coversheet, attachments, and documents: <input type="checkbox"/>					

Mail documents to be recorded with required coversheet information to:
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ASSIGNMENT

FOR a valuable consideration, the sufficiency and receipt of which is hereby acknowledged, the undersigned
Ryuichi UGAJIN and Yoshihiko KUROKI

whose mailing address(es) is/are:
c/o SONY CORPORATION
7-35, Kitashinagawa 6-chome
Shinagawa-ku, TOKYO
141-0001 JAPAN

hereby sell(s), assign(s) and transfer(s) unto SONY CORPORATION, a
corporation of Japan, having its principal office at 7-35, Kitashinagawa
6-chome, Shinagawa-ku, Tokyo, Japan,

the whole right, title and interest in and to a certain invention or improvement in
OPTICAL AND/OR ELECTRONIC DEVECE

disclosed in an application for Letters Patent of the United States, prepared by the firm of Sonnenschein, Nath &
Rosenthal of Chicago, Illinois, and executed of even date herewith, said application being identified in the office
records of said firm as Case No. _____, and in and to the United States Letters Patent therefor, when
issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues
thereof and substitutions of or for said application, and all rights and privileges under the Letters Patent that may
be granted therefor, including the right to claim the benefit of an earlier filing date for the same invention in a foreign
country.

I/We hereby authorize and request the Commissioner of Patents to issue the Letters Patent that may be
granted for said invention or improvements to said SONY CORPORATION

For the same consideration, I/we hereby agree that I/we will promptly communicate to the aforesaid
assignee or its assigns full and complete information concerning said improvements or betterments of the inventions
disclosed in said application, and will cooperate at any time upon request of said assignee or its assigns, at its
expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including
the execution of new, divisional, continuing and reissue applications; will make all rightful oaths, will testify in any
proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible
to aid said assignee, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for
the inventions embraced within the terms of this document.

DATE: May 23, 2001 Ryuichi Uga Jin Tokyo, Japan
Ryuichi UGAJIN Residence of first inventor
DATE: May 23, 2001 Yoshihiko Kuroki Kanagawa, Japan
Yoshihiko KUROKI Residence of second inventor