RECORDATION FORM COVER SHEET

PATENTS ONLY



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To the Honorable Commissioner of Patents and Trademarks: Pl	ease record the attached 101699598
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Yushi IHARA, Yoshio KITAMURA, Toshio NARUSHIMA, Makoto NIIOKA, Yuji KAWAMURA	Name: SONY CORPORATION 7-35 Kitashinagawa 6-chome Shinagawa-Ku, Tokyo 141-0001, Japan
Additional name(s) of conveying party(ies) attached? <u> </u>	Additional name(s) & address(es) attached?Yes _x_ No
3. Nature of conveyance:	
X Assignment Security Agreement Merger Change of Name Other	
Execution Date: <u>February 16, February 19, February 21,</u> <u>February 19 and February 19, 2001</u>	
4. Application number(s) or patent number(s):	
If this document is being filed together with the application is:	n a new application, the execution date of
A. Int'l Patent Application No.(s) PCT/JP00/04471 (USSN	09/786,180) filed <u>5 July 2000</u>
Additional numbers atta	ached? Yes X 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: WILLIAM S. FROMMER	7. Total fee (37 CFR 3.41)
Internal Address: FROMMER LAWRENCE & HAUG LLP	X Enclosed Authorized to be charged to deposit account 50-0320
Street Address: 745 FIFTH AVENUE City: NEW YORK State: N.Y. Zip: 10151	8. Deposit account number: (Attach duplicate copy of this page if paying by deposit account)
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Statement and signature. To the best of my knowledge and belief, the foregoing infor copy of the original document.	rmation is true and correct and any attached copy is a true
GLENN F. SAVIT	F. Sm. 1 April 20, 2001
Name of Person Signing Signa 2/2001 TDIAZ1 00000097 09786180	Total number of pages including cover sheet, attachments, and document: 3
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Public burden reporting for this sample cover sheet is estimate including time for reviewing the document and gathering the dat Send comments regarding this burden estimate to the U.S. Patent PK2-1000C, Washington, D.C. 20231, and to the Office of Managem Washington, D.C. 20503.	ta needed, and completing and reviewing the sample cover sheet. t and Trademark Office, Office of Information Systems,

FLH File No.

ASSIGNMENT

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

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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 141-0001 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 logal 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 betters 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: FCT/JP00/04471, International Filing Date: 05 July 2000.

This assignment executed on the dates indicated below.

Yushi IHARA	tehruary 16, 2001
Name of first or sole inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of first or sole inventor Than	February 16, 200/
Signature of first or sole inventor	Date of this assignment
Yoshio KITAMURA	Flehmany 19, 200/
Name of second inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of second inventor	
Estrio Kitamune	Fremery 19 200/
Signature of second inventor	Date of this assignment

PAJENIT of 2 REEL: 011740 FRAME: 0896

Toshio NARUSHIMA	February 21, 2001
Name of third inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of third inventor	
Tostio Marushima	February 21, 2001
Signature of third inventor	Date of this assignment
Makoto NIIOKA	February 19, 2001
Name of fourth inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of fourth inventor	·
Makete Vijoka	February 19, 2001
signature of fourth inventor	Date of this assignment
Yuji KAWAMURA	February 19, 2001
Name of fifth inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	
Residence of fifth inventor	
Logi Konomura	February 19, 2001
Signature of fifth inventor	Date of this assignment

RECORDED: 04/23/2001

PATENT of 2 REEL: 011740 FRAME: 0897