

10-31-2000



101500502

**RECORDATION FORM COVER SHEET
PATENTS ONLY**

9.20.00

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

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Conveyance Type

Assignment **Security Agreement**

License **Change of Name**

Merger **Other** _____

U.S. Government
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Departmental File **Secret File**

Conveying Party(ies)

Mark if additional names of conveying parties attached

| | | | |
|---------------------|------------------|----------------------------------|----------|
| Name (line 1) | FURUI, Sunao | Execution Date Month Day Year | 07312000 |
| Name (line 2) | _____ | | |
| Second Party | | Execution Date Month Day Year | 07312000 |
| Name (line 1) | ISHII, Toshisada | | |
| Name (line 2) | _____ | | 0960/940 |

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) SONY CORPORATION

Name (line 2) _____

Address (line 1) 7-35, Kitashinagawa 6-chome

Address (line 2) Shinagawa-ku

Address (line 3) Tokyo Japan _____
City State/Country Zip Code

If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

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Mail documents to be recorded with required cover sheet(s) information to:
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Pages Enter the total number of pages of the attached conveyance document including any attachments. #

Application Number(s) or Patent Number(s) Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

| Patent Application Number(s) | | | Patent Number(s) | | |
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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

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Number of Properties Enter the total number of properties involved. #

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment: Enclosed Deposit Account

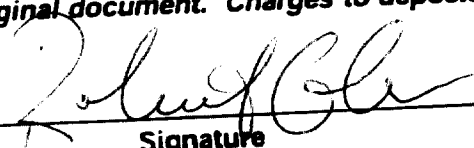
Deposit Account
(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: #

Authorization to charge additional fees: Yes No

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. Charges to deposit account are authorized, as indicated herein.

ROBERT B. COHEN  September 15, 2000

Name of Person Signing Signature Date

RECORDATION FORM COVER SHEET
CONTINUATION
PATENTS ONLY

Conveying Party(ies)

Mark if additional names of conveying parties attached

Enter additional Conveying Parties

Name (line 1) MURAYAMA, Naoki

Execution Date
Month Day Year
07312000

Name (line 2)

Name (line 1) WAKAHARA, Tatsuya

Execution Date
Month Day Year
08032000

Name (line 2)

Name (line 1) INADA, Hidetaka

Execution Date
Month Day Year
08182000

Name (line 2)

Receiving Party(ies)

Mark if additional names of receiving parties attached

Enter additional Receiving Party(ies)

Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

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Name (line 1)

Name (line 2)

Address (line 1)

Address (line 2)

Address (line 3)

City

State/Country

Zip Code

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Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

Grid of 15 boxes for Patent Application Number(s)

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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:

Receiver and Method of Controlling Graphic Display

for which an International Application was filed on December 15, 1999, PCT/JP99/07028, designating the United States.

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: 09/601,940 Filing Date: _____

This assignment executed on the dates indicated below.

Sunao Furui
Name of First or Sole Inventor

Execution Date of U.S. Patent Application

Kanagawa, Japan
Residence of First or Sole Inventor

Sunao Furui
Signature of First or Sole Inventor

July 31 2000
Date of this Assignment

Toshisada Ishii

Name of Second Joint Inventor

Execution Date of U.S. Patent Application

Tokyo, Japan

Residence of Second Joint Inventor

Toshisada Ishii

July 31 2000

Signature of Second Joint Inventor

Date of this Assignment

Naoki Murayama

Name of Third Joint Inventor

Execution Date of U.S. Patent Application

Tokyo, Japan

Residence of Third Joint Inventor

Naoki Murayama

July 31 2000

Signature of Third Joint Inventor

Date of this Assignment

Tatsuya Wakahara

Name of Fourth Joint Inventor

Execution Date of U.S. Patent Application

Tokyo, Japan

Residence of Fourth Joint Inventor

Tatsuya Wakahara

August 3, 2000

Signature of Fourth Joint Inventor

Date of this Assignment

Hidetaka Inada

Name of Fifth Joint Inventor

Execution Date of U.S. Patent Application

Tokyo, Japan

Residence of Fifth Joint Inventor

Hidetaka Inada

August 18, 2000

Signature of Fifth Joint Inventor

Date of this Assignment