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Expires 06/30/99
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03-09-2000



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PATENT

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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

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Departmental File Secret File

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Month Day Year

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Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. **PATENT**

REEL: 010592 FRAME: 0076

Correspondent Name and Address

Area Code and Telephone Number

908-654-5000

Name LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP

Address (line 1) 600 South Avenue West

Address (line 2) Westfield NJ 07090

Address (line 3)

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments.

2

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)

09433432						

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.

PCT		PCT		PCT	
PCT		PCT		PCT	

Number of Properties

Enter the total number of properties involved.

1

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

Method of Payment: Deposit Account

Enclosed Deposit Account

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

Deposit Account Number: # 12-1095

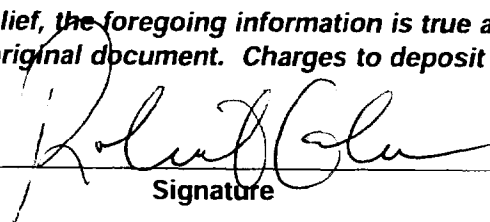
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Statement and Signature

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

Name of Person Signing



Signature

January 28, 2000

Date

RECORDATION FORM COVER SHEET CONTINUATION PATENTS ONLY

Conveying Party(ies)

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Name (line 1) Wakahara, Tatsuya

Execution Date
Month Day Year
01072000

Name (line 2)

Name (line 1) Inoue, Hajime

Execution Date
Month Day Year
01182000

Name (line 2)

Name (line 1) Hamada, Ichiro

Execution Date
Month Day Year
01072000

Name (line 2)

Receiving Party(ies)

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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)

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:

**RECEIVING AND RECORDING/REPRODUCING SYSTEM OF DIGITAL BROADCASTING
AND RECEIVING APPARATUS OF DIGITAL BROADCASTING**

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 application number and filing date of this application in the spaces that follow: Application Number: 09/433,432, Filing Date: November 4, 1999.

This assignment executed on the dates indicated below.

Naoki Murayama

Name of First or Sole Inventor

Execution Date of U.S. Patent Application

Tokyo, Japan

Residence of First or Sole Inventor

Naoki Murayama

Signature of First or Sole Inventor

January 7, 2000

Date of this Assignment

Iwao Yamamoto

Name of Second Joint Inventor

Execution Date of U.S. Patent Application

Tokyo, Japan

Residence of Second Joint Inventor

Iwao Yamamoto
Signature of Second Joint Inventor

January 7, 2000
Date of this Assignment

Tatsuya Wakahara

Name of Third Joint Inventor

Execution Date of U.S. Patent Application

Tokyo, Japan

Residence of Third Joint Inventor

Tatsuya Wakahara
Signature of Third Joint Inventor

January 7, 2000
Date of this Assignment

Hajime Inoue

Name of Fourth Joint Inventor

Execution Date of U.S. Patent Application

Chiba, Japan

Residence of Fourth Joint Inventor

Hajime Inoue
Signature of Fourth Joint Inventor

January 18, 2000
Date of this Assignment

Ichiro Hamada

Name of Fifth Joint Inventor

Execution Date of U.S. Patent Application

Kanagawa, Japan

Residence of Fifth Joint Inventor

Ichiro Hamada
Signature of Fifth Joint Inventor

January 7, 2000
Date of this Assignment