

07-25-2002

FLH Ref. No.: 450118-02746

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

102167650

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies)

7-23-02

Ryuji KOHNO, Masayoshi ABE, Noboru SASHO, Shinichiro HARUYAMA, Robert Henry MORELOS-ZARAGOZA, Francis SWARTS, Pieter VAN ROOYEN, Yukitoshi SANADA, Lachlan Bruce MICHAEL, Hamid AMIR-ALIKHANI, Veselin BRANKOVIC

Additional name(s) of conveying party(ies) attached?
☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: SONY CORPORATION
 7-35 Kitashinagawa 6-chome
 Shinagawa-Ku, Tokyo 141-0001, Japan

and

SONY INTERNATIONAL (EUROPE) GMBH
 Kemperplatz 1
 10785 Berlin, Germany

3. Nature of conveyance:

☒ Assignment
☐ Security Agreement
☐ Merger
☐ Change of Name
☐ Other

Execution Date: May 24, May 17, May 17, May 21, May 29, May 22, May 22, May 28, May 29, June 21 and June 22, 2002

Additional name(s) & address(es) attached? ☐ Yes ☒ No

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. USSN 10/070,283 (corresponding to Int'l Patent Application No.(s) PCT/JP00/04550 filed 7 July 2000)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: WILLIAM S. FROMMER

Internal Address: FROMMER LAWRENCE & HAUG LLP

Street Address: 745 FIFTH AVENUE

City: NEW YORK State: N.Y. Zip: 10151

6. Total number of applications and patents involved

1

7. Total fee (37 CFR 3.41) \$ 40.00

☒ Enclosed
☐ Authorized to be charged to deposit account 50-0320

8. Deposit account number:
 (Attach duplicate copy of this page if paying by deposit account)

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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.

Glenn F. Savit

Name of Person Signing

Signature

July 18, 2002

Date

Total number of pages including cover sheet, attachments, and document: 10

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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

UNIVERSAL PLATFORM FOR SOFTWARE DEFINED RADIO

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 and SONY INTERNATIONAL (EUROPE) GMBH, a German corporation, with offices at Kemperplatz 1, 10785 Berlin, Germany (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/JP00/04550, International Filing Date: 7 July 2000.

This assignment executed on the dates indicated below.

Ryuji KOHNO

Name of first or sole inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

May 24 / 2002

Masayoshi ABE

Name of second inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of second inventor

Signature of second inventor

Date of this assignment

May / 17 / 2002

Noboru SASHO

Name of third inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of third inventor

Signature of third inventor

Date of this assignment

May / 17 / 2002

ADDITIONAL INVENTORS

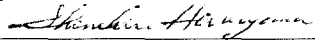
Shinichiro HARUYAMA

Name of fourth inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of fourth inventor



May 21, 2002

Signature of fourth inventor

Date of this assignment

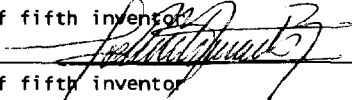
Robert Henry MORELOS-ZARAGOZA

Name of fifth inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of fifth inventor



May 29, 2002

Signature of fifth inventor

Date of this assignment

Francis SWARTS

Name of sixth inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of sixth inventor

Signature of sixth inventor

Date of this assignment

Pieter VAN ROOYEN

Name of seventh inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of seventh inventor

Signature of seventh inventor

Date of this assignment

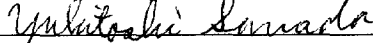
Yukitoshi SANADA

Name of eighth inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of eighth inventor



May 28, 2002

Signature of eighth inventor

Date of this assignment

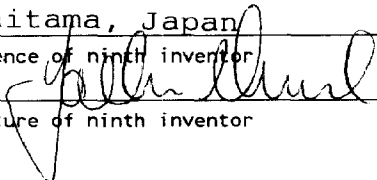
Lachlan Bruce MICHAEL

Name of ninth inventor

Execution date of U.S. Patent Application

Saitama, Japan

Residence of ninth inventor

29th May 2002

Signature of ninth inventor

Date of this assignment

ADDITIONAL INVENTORS

Hamid AMIR-ALIKHANI

Name of tenth inventor

Execution date of U.S. Patent Application

Leonberg, Germany

Residence of tenth inventor

21st June 2002

Signature of tenth inventor

Date of this assignment

Veselin BRANKOVIC

Name of eleventh inventor

Execution date of U.S. Patent Application

Esslingen, Germany

Residence of eleventh inventor

22nd June 2002

Signature of eleventh inventor

Date of this assignment

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AND WHEREAS, SONY CORPORATION, a Japanese corporation, with offices at 7-35 Kitashinagawa 6-Chome, Shinagawa-Ku, Tokyo 141, Japan and SONY INTERNATIONAL (EUROPE) GMBH, a German corporation, with offices at Kemperplatz 1, 10785 Berlin, Germany (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;

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This assignment executed on the dates indicated below.

Ryuji KOHNO

Name of first or sole inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Masayoshi ABE

Name of second inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of second inventor

Signature of second inventor

Date of this assignment

Noboru SASHO

Name of third inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

Shinichiro HARUYAMA

Name of fourth inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	

Residence of fourth inventor

Signature of fourth inventor	Date of this assignment
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Robert Henry MORELOS-ZARAGOZA

Name of fifth inventor	Execution date of U.S. Patent Application
Tokyo, Japan	

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Name of sixth inventor	Execution date of U.S. Patent Application
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Pieter VAN ROOYEN

Name of seventh inventor	Execution date of U.S. Patent Application
Tokyo, Japan	

Residence of seventh inventor

Signature of seventh inventor	Date of this assignment
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Yukitoshi SANADA

Name of eighth inventor	Execution date of U.S. Patent Application
Tokyo, Japan	

Residence of eighth inventor

Signature of eighth inventor	Date of this assignment
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Lachlan Bruce MICHAEL

Name of ninth inventor	Execution date of U.S. Patent Application
Saitama, Japan	

Residence of ninth inventor

Signature of ninth inventor	Date of this assignment
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ADDITIONAL INVENTORS

Hamid AMIR-ALIKHANI

Name of tenth inventor

Execution date of U.S. Patent Application

Residence of tenth inventor

Signature of tenth inventor

Date of this assignment

Veselin BRANKOVIC

Name of eleventh inventor

Execution date of U.S. Patent Application

Residence of eleventh inventor

Signature of eleventh inventor

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Execution date of U.S. Patent Application

Tokyo, Japan

Residence of first or sole inventor

Signature of first or sole inventor

Date of this assignment

Masayoshi ABE

Name of second inventor

Execution date of U.S. Patent Application

Tokyo, Japan

Residence of second inventor

Signature of second inventor

Date of this assignment

Noboru SASHO

Name of third inventor

Execution date of U.S. Patent Application

Kanagawa, Japan

Residence of third inventor

Signature of third inventor

Date of this assignment

ADDITIONAL INVENTORS

Shinichiro HARUYAMA

Name of fourth inventor	Execution date of U.S. Patent Application
Kanagawa, Japan	

Residence of fourth inventor

Signature of fourth inventor	Date of this assignment
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Robert Henry MORELOS-ZARAGOZA

Name of fifth inventor	Execution date of U.S. Patent Application
Tokyo, Japan	

Residence of fifth inventor

Signature of fifth inventor	Date of this assignment
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Francis SWARTS

Name of sixth inventor	Execution date of U.S. Patent Application
Tokyo, Japan	

Residence of sixth inventor

Signature of sixth inventor	Date of this assignment
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MAY 22, 2002

Pieter VAN ROOYEN

Name of seventh inventor	Execution date of U.S. Patent Application
Tokyo, Japan	

Residence of seventh inventor

Signature of seventh inventor	Date of this assignment
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Yukitoshi SANADA

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ADDITIONAL INVENTORS

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Name of tenth inventor

Execution date of U.S. Patent Application

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Veselin BRANKOVIC

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