

01-31-2002

To the Director, U.S. Patent and Trademark Office, Attention: 101976410 the attached original documents or copy thereof.

1. Name of conveying party(ies):

(1) Shuntaro ARATANI
(3) Shigeki MORI
(5) Tomoyuki OHNO
(2) Yoshikazu SHIBAMIYA
(4) Katsuhiro MIYAMOTO

Additional name(s) of conveying party(ies) attached?

☐ Yes☐ No

3. Nature of conveyance:

☒ Assignment
☐ Security Agreement
☐ Other
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☐ Change of NameExecution Date: January 16, 2002

2. Name and address of receiving party(ies):

Name: CANON KABUSHIKI KAISHAForeign Address: 3-30-2, Shimomaruko, Ohta-kuTokyo, Japan

Domestic Address: _____

City: _____ State _____ ZIP _____

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. Patent Application Number: 09/987,569Filing Date: November 15, 2001

B. Title of Invention:

METHOD AND APPARATUS FOR RECEIVING
TELEVISION SIGNAL, BROADCAST DATA RECEIVING
AND REPRODUCING APPARATUS, AND BROADCAST
DATA RECEIVING AND REPRODUCING SYSTEM

Additional numbers attached?

☐ Yes☒ No

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

Name: Fitzpatrick, Cella, Harper & Scinto30 Rockefeller PlazaNew York, New York 10112-3801Telephone No.: (212) 218-2100Facsimile No.: (212) 218-2200

6. Number of applications and patents involved:

One7. Total fee (37 CFR 3.41): . . . \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number (for deficiency or excess)

06-1205

(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 the attached is the original document or is a true copy of the original document.*Michael E. Kondoudis - Reg. No. 42,758

Name of Person Signing

Michael Kondoudis
SignatureJanuary 25, 2002

Date

Total number of pages including cover sheet, attachments, and documents: 2

JOINT
(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, Shuntaro Aratani and Yoshikazu Shibamiya and Shigeki Mori and Katsyuhiro Miyamoto and Tomoyuki Ohno

hereby sell, assign, transfer and convey unto **CANON KABUSHIKI KAISHA**

a corporation of **JAPAN**

having a place of business at

3-30-2, Shimomaruko, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title and interest, for the United States, in and to certain inventions relating to

METHOD AND APPARATUS FOR RECEIVING TELEVISION SIGNAL, BROADCAST DATA RECEIVING AND REPRODUCING APPARATUS, AND BROADCAST DATA RECEIVING AND REPRODUCING SYSTEM

and described in an application for Letters Patent of the United States filed by us on **November 15, 2001**

and which has been accorded Application No. **09/987,569**

and in and to said application, and all divisions, and continuations thereof, and all Letters Patent of the United States which may be granted, thereon, and all reissues and extensions thereof; and we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right or priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file or like document which may be required in the United States for any purpose and more particularly in proof of the right of said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining and enforcing all lawful patent protection for said inventions in the United States.

By: Shuntaro Aratani
Shuntaro Aratani

Date: January 16, 2002

By: Yoshikazu Shibamiya
Yoshikazu Shibamiya

Date: January 16, 2002

By: Shigeki Mori
Shigeki Mori

Date: January 16, 2002

By: Katsuhiro Miyamoto
Katsuhiro Miyamoto

Date: January 16, 2002

By: Tomoyuki Ohno
Tomoyuki Ohno

Date: January 16, 2002