

10-31-2003

Form-PTO-1595

1-31-92

TRANSMIT



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Atty. Docket: 03560.003385

102589772

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

1. Name of conveying party(ies):

- 1) Minoru TESHIGAWARA
- 2) Tetsuya EDAMURA
- 3) Naoji OTSUKA
- 4) Kiichiro TAKAHASHI
- 5) Osamu IWASAKI

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

☐ Yes ☒ No

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

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

Domestic Address: _____

City: _____ State _____ ZIP _____

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

3. Nature of conveyance:

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

Execution Date: October 20, 2003

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: October 20, 2003A. Patent Application Number: 10692087

Not Yet Assigned

Filing Date: October 24, 2003

B. Title of Invention:

RECORDING APPARATUS FOR RECORDING
IMAGE BY EXPANDING THE IMAGE IN DOT
PATTERNAdditional 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:

One

7. 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.*Mark A. Williamson, Reg. No. 33,628

Name of Person Signing

Signature

October 24, 2003

Date

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

MAW\ntt

PATENT
REEL: 014633 FRAME: 0238

JOINT

(BEFORE APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, **Minoru Teshiwawara and Tetsuya Edamura and
Naoji Otsuka and Kiichiro Takahashi and
Osamu Iwasaki and**

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

**RECORDING APPARATUS FOR RECORDING IMAGE BY
EXPANDING THE IMAGE IN DOT PATTERN**

and described in an application for Letters Patent of the United States executed by each of us, respectively, on the date indicated below 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 for 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, the 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 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: Minoru Teshiwawara
Minoru Teshiwawara

Date: October 20, 2003

By: Tetsuya Edamura
Tetsuya Edamura

Date: October 20, 2003

By: Naoji Otsuka
Naoji Otsuka

Date: October 20, 2003

By: Kiichiro Takahashi
Kiichiro Takahashi

Date: October 20, 2003

By: Osamu Iwasaki
Osamu Iwasaki

Date: October 20, 2003

By: _____

Date: _____