

10-12-1999

Form-PTO-1595
1-31-92

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Atty. Docket: 35.C13583

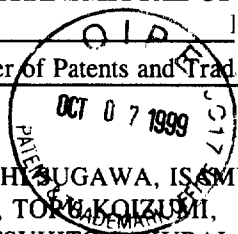
To the Honorable Commissioner of Patents and Trad

101166582

documents or copy thereof.

1. Name of conveying parties:

HIROKI HIYAMA, SHIGETOSHI YUGAWA, ISAMU
UENO, KATSUHISA OGAWA, TOSHIO KOIZUMI,
TETSUNOBU KOCHI and KATSUHITO SAKURAI



10-7-99

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

Yes No

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other

Execution Date: August 20, August 23 and September 9, 1999

2. Name and address of receiving party:

Name: CANON KABUSHIKI KAISHA

Foreign Address:

30-2, Shimomaruko, 3-chome, Ohta-ku

Tokyo, 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 Serial Number:

09/333,748

Filing Date: June 16, 1999

B. Title of Invention:

IMAGE PICKUP APPARATUS

Additional numbers attached? Yes No

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

Name: Fitzpatrick, Cella, Harper & Scinto

30 Rockefeller Plaza

New York, New York 10112-3801

Telephone No.: (212) 218-2100

Facsimile 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):

10/08/1999 DNGUYEN 00000149 09333748

01 FC:581

40.00 0P

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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.

Joseph W. Ragusa
Name of Person Signing

38.586

Joseph W. Ragusa
Signature

October 6, 1999
Date

Total number of pages including cover sheet, attachments, and documents: 3

PATENT
REEL: 010289 FRAME: 0288

JOINT

(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, HIROKI HIYAMA, SHIGETOSHI SUGAWA,
ISAMU UENO, KATSUHISA OGAWA, TORU KOIZUMI, TETSUNOBU KOCHI
and KATSUHITO SAKURAI,

citizens of JAPAN,
residing respectively at

10-1, Asahi-cho 2-chome, Atsugi-shi, Kanagawa-ken, Japan;
13-3, Morinosato 3-chome, Atsugi-shi, Kanagawa-ken, Japan;
2-5-407, Minamigaoka 3-chome, Hadano-shi, Kanagawa-ken, Japan;
5-4-606, Nakamachi 1-chome, Machida-shi, Tokyo, Japan;
31-15-602, Shirane 2-chome, Asahi-ku, Yokohama-shi, Kanagawa-ken,
Japan;
5567-1-509, Tamura, Hiratsuka-shi, Kanagawa-ken, Japan; and
2405-40, Kanaimachi, Machida-shi, Tokyo, Japan,

hereby sell, assign, transfer and convey unto CANON KABUSHIKI KAISHA
a corporation of Japan

having a place of business at 30-2, Shimomaruko 3-chome, 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

IMAGE PICKUP APPARATUS

and described in an application for Letters Patent of the United States filed by us on June 16, 1999
and which has been accorded Application No. 09/333,748
and in and to said application, and all divisions, renewals 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 divisional, 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: Hiroki Hiyama
HIROKI HIYAMA

Date: August 23, 1999

By: Shigetoshi Sugawa
SHIGETOSHI SUGAWA

Date: August 23, 1999

By: Isamu Ueno
ISAMU UENO

Date: August 23, 1999

By: Katsuhisa Ogawa
KATSUHISA OGAWA

Date: September 9, 1999

By: Toru Koizumi
TORU KOIZUMI

Date: August 23, 1999

By: Tetsunobu Kochi
TETSUNOBU KOCHI

Date: August 23, 1999

By: Katsuhito Sakurai
KATSUHITO SAKURAI

Date: August 20, 1999