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DATION

Atty. Docket: 35.C14524

To the Commissioner of Patents a

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original documents or copy thereof.

1. Name of conveying party(ies): YOSHIYUKI IMANAKA, SADAYUKI SUGAMA, ICHIRO SAITO, OHIRO FUKI ISHINAGA, AKIHIRO YAMANAKA, and MASAHITO KUBOTA.

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

Name: CANON KABUSHIKI KAISHA

Foreign Address: 30-2, Shimomaruko 3-chome, Ohta-ku

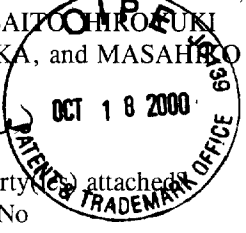
Tokyo, Japan

Domestic Address:

City: State ZIP

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

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



3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other

Execution Date: 7/5/00, 7/10/00, 7/5/00, 7/6/00, 7/7/00 and 7/7/00

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: 09/584,485

Filing Date: June 1, 2000

B. Title of Invention: LIQUID DISCHARGE HEAD SUBSTRATE, LIQUID DISCHARGE HEAD, LIQUID DISCHARGE APPARATUS HAVING THESE ELEMENTS, MANUFACTURING METHOD OF LIQUID DISCHARGE HEAD, AND DRIVING METHOD OF THE SAME.

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):

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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.

Douglas Sharvott
Name of Person Signing

[Signature]
Signature

October 17, 2000
Date

Reg. No 39,832
Total number of pages including cover sheet, attachments, and documents: 3

JOINT

(AFTER APPLICATION FILED)

ASSIGNMENT OF PATENT RIGHTS FOR THE UNITED STATES

FOR VALUE RECEIVED, WE, YOSHIYUKI IMANAKA, SADAYUKI SUGAMA,
ICHIRO SAITO, HIROYUKI ISHINAGA, AKIHIRO YAMANAKA and
MASAHIKO KUBOTA

citizens of Japan

residing respectively at 1163-8, Chitose, Takatsu-ku, Kawasaki-shi,
Kanagawa-ken, Japan; 4102-41, Kurihara, Tsukuba-shi,
Ibaraki-ken, Japan; 15-H-204, Higashi Terao 1-chome,
Tsurumi-ku, Yokohama-shi, Kanagawa-ken, Japan; 20-1-1307,
Arakawa 7-chome, Arakawa-ku, Tokyo, Japan; 8-22-404,
Higashi Arima 3-chome, Miyamae-ku, Kawasaki-shi,
Kanagawa-ken, Japan; and 22-18, Nakano 5-chome,
Nakano-ku, 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 LIQUID DISCHARGE HEAD SUBSTRATE,
LIQUID DISCHARGE HEAD, LIQUID DISCHARGE APPARATUS HAVING
THESE ELEMENTS, MANUFACTURING METHOD OF LIQUID DISCHARGE
HEAD, AND DRIVING METHOD OF THE SAME

and described in an application for Letters Patent of the United States filed by us on June 1, 2000
and which has been accorded Application No. 09/584,485
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: *Yoshiyuki Imanaka*
YOSHIYUKI IMANAKA

Date: *July 5, 2000*

By: *Sadayuki Sugama*
SADAYUKI SUGAMA

Date: *July 10, 2000*

By: *Ichiro Saito*
ICHIRO SAITO

Date: *July 5, 2000*

By: *Hiroyuki Ishinaga*
HIROYUKI ISHINAGA

Date: *July 6, 2000*

By: *Akihiro YamanaKa*
AKIHIRO YAMANAKA

Date: *July 7, 2000*

By: *Masahiko Kubota*
MASAHIKO KUBOTA

Date: *July 7, 2000*

By: _____

Date: _____

By: _____

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By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____

By: _____

Date: _____