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Handwritten initials and date: 10/23



RECORDATION

Atty. Docket: 684.2984

To the Director, U.S. Patent

101531361

attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) Yasufumi Asao,
- 2) Masahiro Terada, and
- 3) Takeshi Togano



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

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

3. Nature of conveyance:

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

Execution Date: 1) Oct. 3, 2000, 2) October 6, 2000,

3) October 4, 2000

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: 09/534,447
Filing Date: March 24, 2000

B. Title of Invention:
LIQUID CRYSTAL DEVICE AND DISPLAY APPARATUS INCLUDING THE DEVICE

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.

Lawrence S. Perry
Name of Person Signing

October 20, 2000
Date

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

Assignment

FOR VALUE RECEIVED

Yasufumi ASAO Masahiro TERADA and Takeshi TOGANOcitizen(s) of Japan

residing at (respectively)

1192-15 Onna, Atsugi-shi, Kanagawa-ken, Japan;
379-5 Kitayana, Hadano-shi, Kanagawa-ken, Japan; and
360-5 Yabata, Chigasaki-shi, Kanagawa-ken, Japan

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**LIQUID CRYSTAL DEVICE AND DISPLAY APPARATUS INCLUDING THE DEVICE**and described in an application for Letters Patent of the United States filed on 24/MAR/2000 as Application No. 09/534,447
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 assign-
ment, 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 hence-
forth 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 pertain-
ing 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: Yasufumi Asao
Yasufumi ASAODate: October 3, 2000By: Masahiro Terada
Masahiro TERADADate: October 6, 2000By: Takeshi Togano
Takeshi TOGANODate: October 4, 2000