

MRD 12.22.99

01-20-2000

Form PTO-1595 TRANSMISSION  
1-31-92



Atty. Docket: 684.2910

To the Commissioner of Patents and

original documents or copy thereof.

101248449

1. Name of conveying party(ies):  
1) Junichiro Kanbe, 2) Takao Takiguchi, 3) Takeshi Togano,  
4) Shinichi Nakamura and 5) Takashi Moriyama

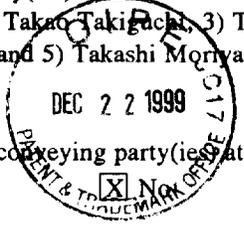
Name: Canon Kabushiki Kaisha

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

Tokyo, Japan

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

Yes



3. Nature of conveyance:

- Assignment  Merger
- Security Agreement  Change of Name
- Other \_\_\_\_\_

Domestic Address: \_\_\_\_\_

Execution Date: 1), 3), 5) November 29, 1999 and  
2), 4) November 30, 1999

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: 09/412,434

B. Title of Invention:  
DISCOTIC LIQUID CRYSTAL DEVICE AND  
ALIGNMENT METHOD THEREOF

Filing Date: October 5, 1999

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):

01/19/2000 JSHABAZZ 00000067 09412434

01 FC:581

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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

Signature

December 21, 1999  
Date

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

**Assignment**

FOR VALUE RECEIVED

Junichiro KANBE                      Takao TAKIGUCHI                      Takeshi TOGANO  
Shinichi NAKAMURA                      and Takashi MORIYAMA

citizen(s) of Japan

residing at (respectively)

4-28-22 Tsukushino, Machida-shi, Tokyo, Japan;  
 1-10-2 Kyuden, Setagaya-ku, Tokyo, Japan;  
 360-5 Yabata, Chigasaki-shi, Kanagawa-ken, Japan;  
 2-2-11-404 Higashinaruse, Isehara-shi, Kanagawa-ken, Japan; and  
 2-5-4-107 Sakaecho, Atsugi-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

DISCOTIC LIQUID CRYSTAL DEVICE AND ALIGNMENT METHOD THEREFOR

and described in an application for Letters Patent of the United States filed on 5/OCT/1999 as Application No. 09/412,434  
 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: Junichiro Kanbe  
 Junichiro KANBE

Date: November 29, 1999

By: Takao Takiguchi  
 Takao TAKIGUCHI

Date: November 30, 1999

By: Takeshi Togano  
 Takeshi TOGANO

Date: November 29, 1999

By: Shinichi Nakamura  
 Shinichi NAKAMURA

Date: November 30, 1999

By: Takashi Moriyama  
 Takashi MORIYAMA

Date: November 29, 1999