



5

102556986

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

1. Name of conveying party: 9-22-03

Hongyong ZHANG
Seii SATO

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

3. Nature of conveyance:

- (X) Assignment () Merger
() Security Agreement () Change of Name
() Other _____

Execution Date: 12/6/02 and 1/14/03, respectively

2. Name and address of receiving party(ies)

Name: FUJITSU DISPLAY TECHNOLOGIES CORPORATION

Internal Address: 1-1, Kamikodanaka 4-chome,

Street Address: Nakahara-ku, Kawasaki-shi,

Kanagawa 211-8588 Japan

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached: () Yes (X) 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 No.(s)

10/323,868

B. Patent No.(s)

Additional numbers attached? () Yes (X) No

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

Name: **Patrick G. Burns**
Internal Address: **Greer, Burns & Crain, Ltd.**
300 South Wacker Drive
Suite 2500
Chicago, Illinois 60606

Street Address: _____

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached: () Yes (X) No

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

(X) Enclosed

(X) Authorized to be charged to deposit account only in the event proper payment is not enclosed.

8. Deposit account number:

07-2069

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patrick G. Burns

Name of Person Signing

[Signature]

Signature

September 15, 2003

Date

3

Total number of pages including cover sheet, attachments, and document:

1508.67221

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

09/24/2003 LMUELLER 00000063 10323868

01 FC:8021

40.00 DP

PATENT
REEL: 014498 FRAME: 0530

MAR 24 2003

03-28-2003



102402687

LET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks

Documents or copy thereof.

1. Name of conveying party:

Hongyong ZHANG
Seii SATO

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

3. Nature of conveyance:

- (X) Assignment () Merger
() Security Agreement () Change of Name
() Other _____

Execution Date: 12/6/02 and 1/4/03, respectively

2. Name and address of receiving party(ies)

Name: FUJITSU DISPLAY TECHNOLOGIES CORPORATION

Internal Address: 1-1, Kamikodanaka 4-chome,

Street Address: Nakahara-ku, Kawasaki-shi,

Kanagawa 211-8588 Japan

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached: () Yes (X) 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 No.(s)

10/323,868

B. Patent No.(s)

Additional numbers attached? () Yes (X) No

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

Name: Patrick G. Burns
Greer, Burns & Crain, Ltd.
Internal Address: 300 South Wacker Drive
Suite 2500
Chicago, Illinois 60606

Street Address: _____

City: _____ State: _____ ZIP: _____

Additional name(s) & address(es) attached: () Yes (X) No

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41) \$ 40.00

(X) Enclosed

(X) Authorized to be charged to deposit account only in the event proper payment is not enclosed.

8. Deposit account number:

07-2069

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Patrick G. Burns

Name of Person Signing

Signature

March 17, 2003

Date

Total number of pages including cover sheet, attachments, and document:

3

1508.67221

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

03/27/2003 EDOOPER 00000025 10323868

01 FC:8021

40.00 CP

GREER, BURNS & CRAIN, LTD.
300 South Wacker Drive
Suite 2500
Chicago, Illinois 60606

UTILITY PATENT

ASSIGNMENT

FOR VALUE RECEIVED, the receipt of which is hereby acknowledged, the following inventor or inventors (hereinafter called "ASSIGNOR")

Name: Hongyong ZHANG
Address: c/o FUJITSU DISPLAY TECHNOLOGIES CORPORATION,
1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi,
Kanagawa 211-8588 Japan

Name: Seii SATO
Address: c/o FUJITSU LIMITED,
1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi,
Kanagawa 211-8588 Japan

hereby assigns, transfers and sets over to:

Name: FUJITSU DISPLAY TECHNOLOGIES CORPORATION
Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa 211-8588 Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as:

LIQUID CRYSTAL DISPLAY DEVICE AND METHOD OF MANUFACTURING THE SAME

for which a United States Patent Application was executed on even date herewith or, if not so executed, was:

- (a) executed on _____; or
- (b) filed on December 18, 2002
Serial No. 10 / 323,868;

and all rights and privileges under any Letters Patent which may be granted thereon, including all rights, if any, to sue for past infringement.

(1) The ASSIGNOR agrees without charge to said ASSIGNEE but at its expense (a) to execute (i) all necessary papers to be used in connection with this application and any additional, continuing, or divisional applications, as the ASSIGNEE may deem necessary or expedient, (ii) all papers in connection with any interference or other legal or quasi-legal proceedings relating to this application or any additional, continuing, or divisional application thereof, (b) to cooperate with ASSIGNEE in every way possible in obtaining evidence and going forward in any such proceedings; and (c) to perform all other affirmative acts which may be necessary or desirable to obtain a grant of a valid patent for said invention.

(2) ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue any and all Letters Patent that may be granted upon any patent application or any additional, continuing or divisional applications thereof to the

ASSIGNEE, its successors and assigns.

(3) ASSIGNOR hereby covenants and warrants that he has full right to convey the entire right, title and interest by this instrument, free of any encumbrances and that no other agreement has been or will be executed in conflict herewith.

(4) ASSIGNOR hereby grants to the law firm of GREER, BURNS & CRAIN, LTD. of Chicago, Illinois, authority and power to insert on this instrument any further identification which may be necessary or desirable for purposes of recordation in the United States Patent and Trademark Office or a Patent Office of any foreign country.

Date Dec. 6, 2002

Signature of inventor

Hongyong Zhang

Hongyong ZHANG

Date Jan. 14, 2003

Signature of inventor

Seii Sato

Seii SATO