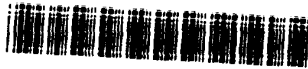


06-17-1998

FORM PTO-1595
(Rev. 8-93)

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

6-8-98

1. Name of conveying party(ies):

Yoshihisa Taguchi Katsuhiko Kishida
Katsunori Tanaka Hirofumi Miyamoto
Toshiya Onodera

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

2. Name and address of receiving party(ies)

Name: Fujitsu Limited

Internal Address: 1-1, Kamikodanaka 4-chome
Nakahara-ku, Kawasaki-shi

Kanagawa, 211-8588 Japan

Street Address: 1-1, Kamikodanaka 4-chome
Nakahara-ku,

City: Kawasaki-shi State: Japan ZIP: 211-
8588

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

3. Nature of conveyance:

- Assignment Merger
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- Other _____

Execution Date: 1-19-98

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: 1-19-98

A. Patent Application No.(s)

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

Name: Patrick G. Burns

Internal Address: GREER, BURNS & CRAIN, LTD.

233 S. Wacker Drive, Suite 8660

Chicago, IL 60606

Street Address: 233 S. Wacker Drive

Suite 8660

City: Chicago State: IL ZIP: 60606

6. Total number of applications and patents involved: 1

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

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(Form PTO-1595-Recordation Form Cover Sheet [16-5] page 1 of 3)

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Suite 8660 - Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606

ASSIGNMENT

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

Name: Yoshihisa Taguchi, Katsunori Tanaka, Toshiya Onodera, Katsuhiko Kishida and Hirofumi Miyamoto
Address: Each having the same address as: c/o FUJITSU LIMITED,
1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa, 211 Japan

hereby assigns, transfers and sets over to:

Name: FUJITSU LIMITED
Address: 1-1, Kamikodanaka 4-chome, Nakahara-ku, Kawasaki-shi, Kanagawa, 211 Japan

(hereinafter called "ASSIGNEE"), the entire worldwide right, title and interest in and to the invention known as: MATRIX-TYPE PANEL DRIVING CIRCUIT AND METHOD AND LIQUID CRYSTAL DISPLAY DEVICE

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 _____
Serial No. ____/_____;

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 January 19, 1998 Signature of inventor Yoshihisa Taguchi Yoshihisa Taguchi

Date January 19, 1998 Signature of inventor Katsunori Tanaka Katsunori Tanaka

Date January 19, 1998 Signature of inventor Toshiya Onodera Toshiya Onodera

Date January 19, 1998 Signature of inventor Katsuhiko Kishida Katsuhiko Kishida

Date January 19, 1998 Signature of inventor Hirofumi Miyamoto Hirofumi Miyamoto

Date _____ Signature of inventor _____

Date _____ Signature of inventor _____

Date _____ Signature of inventor _____