

11-03-1999

FORM PTO-1595
(Rev. 6-93)

OMAB No. 0651-0011 (exp. 4/94)

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

1. Name of conveying party(ies):

Katsuyoshi Hiraki
Takae Ito
Toshiaki SuzukiAdditional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Fujitsu Limited

Internal Address: _____

Street Address: 1-1 Kamikodanaka 4-chome
Nakahara-ku, Kawasaki-shi, Kanagawa211-8588 JapanAdditional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____Execution Date: 10-7-99

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: 10-7-99

A. Patent Application No.(s)

B. Patent No.(s)

09/428324Additional numbers attached? ☐ Yes ☒ No

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

Name: Patrick G. BurnsInternal Address: GREER, BURNS & CRAIN, LTD.233 S. Wacker Drive, Suite 8660Chicago, IL 60606Street Address: 233 S. Wacker DriveSuite 8660City: Chicago State: IL ZIP: 606066. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41).....\$ 40.00☒ Enclosed☒ Authorized to be charged to deposit account

Only in the event proper payment is not enclosed.

8. Deposit account number:

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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

10-27-99

Date

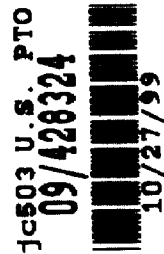
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Washington, D.C. 20231

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

PATENT
REEL: 010347 FRAME: 0515

1508.63385

Applicant: Hiraki et al.)
)
Serial No.)
)
Filed: October 27, 1999)
)
For: DISPLAY PANEL DRIVING)
METHOD, DISPLAY PANEL)
DRIVING CIRCUIT, AND LIQUID)
CRYSTAL DISPLAY DEVICE)
)
Art Unit:)
Attorney Docket No: 1508.63385)



RECORDATION FORM COVER SHEET ATTACHMENT

1. Name of conveying party(ies):

Seiji Hayashimoto
Masaki Miyahara
Toshimitsu Minemura
Koichi Katagawa
Satoshi Sekido
Yasutake Furukoshi

ASSIGNMENT

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

Name: Katsuyoshi HIRAKI, Takae ITO, Toshiaki SUZUKI, Seiji HAYASHIMOTO,
Masaki MIYAHARA, Toshimitsu MINEMURA, Koichi KATAGAWA,
Address: Satoshi SEKIDO and Yasutake FURUKOSHI
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 LIMITED
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:

DISPLAY PANEL DRIVING METHOD, DISPLAY PANEL DRIVING CIRCUIT,
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.

Oct. 7,
Date 1999 Signature of inventor Katsuyoshi Hiraki

Oct. 7,
Date 1999 Signature of inventor Takae Ito

Oct. 7,
Date 1999 Signature of inventor Takashi Suzuki

Oct. 7,
Date 1999 Signature of inventor Seiji Hayashimoto

Oct. 7,
Date 1999 Signature of inventor Masabaki Miyahara

Oct. 7,
Date 1999 Signature of inventor Toshimatsu Minumura

Oct. 7,
Date 1999 Signature of inventor Koichi Katagawa

Oct. 7,
Date 1999 Signature of inventor Satoshi Sekido

Oct. 7,
Date 1999 Signature of inventor Yasutake Furukoshi

Date _____ Signature of inventor _____

Date _____ Signature of inventor _____

Date _____ Signature of inventor _____