

To the Honorable Commissioner of Patents and T

cuments or copy thereof.

1. Name of conveying party:

Hideto FUKUDA
Shinya UDO
Masao KUMAGAI
Osamu KUDO

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

3. Nature of conveyance:

- (X) Assignment () Merger
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() Other _____

Execution Date: Oct. 21, 2003

4. Application number(s) or patent number(s):

10701856

If this document is being filed together with a new application, the execution date of the application is: Oct. 21, 2003

A. Patent Application No.(s)

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**
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6. Total number of applications and patents involved: 1

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

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Patrick G. Burns

Name of Person Signing



Signature

November 5, 2003

Date

3

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PATENT
REEL: 014674 FRAME: 0638

UTILITY PATENT

ASSIGNMENT

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

Name: Hideto FUKUDA
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Name: Osamu KUDO
Address: c/o FUJITSU VLSI LIMITED
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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:

METHOD FOR DRIVING DISPLAY AND DRIVE CIRCUIT FOR DISPLAY

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

- (a) executed on October 21, 2003; 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 Oct. 21. 2003

Signature of inventor Hideto Fukuda
Hideto FUKUDA

Date Oct. 21. 2003

Signature of inventor Shinya Udo
Shinya UDO

Date Oct. 21. 2003

Signature of inventor Masao Kumagai
Masao KUMAGAI

Date Oct. 21. 2003

Signature of inventor Osamu Kudo
Osamu KUDO