

Title (en)

Method for driving LCD device

Title (de)

Verfahren zur Ansteuerung einer Flüssigkristallanzeigevorrichtung

Title (fr)

Procédé de commande d'un dispositif d'affichage à cristaux liquides

Publication

EP 1603107 A1 20051207 (EN)

Application

EP 04013038 A 20040602

Priority

EP 04013038 A 20040602

Abstract (en)

Disclosed is a method for driving pixels of an LCD device, wherein an overlapping area between a data line connected to a data driver and a gate line connected to a gate driver defines a pixel of an LCD device. A first gate driver is selected from the LCD device' at least two gate drivers based on a selection rule. Starting from a line A, the first gate driver displays a part of a picture image by sequentially displaying the image line by line up to a number of lines according to a pre-determined display range. Then a second gate driver based on the selection rule displays a part of an all black image by displaying, from a line B, a number of lines based on a pre-determined display range simultaneously. The line B is separated from the line A by a number of lines according to a pre-determined gap range.

IPC 1-7

G09G 3/36

IPC 8 full level

G09G 3/36 (2006.01)

CPC (source: EP)

G09G 3/3666 (2013.01); **G09G 3/3677** (2013.01); **G09G 3/3688** (2013.01); **G09G 2310/062** (2013.01); **G09G 2320/0233** (2013.01); **G09G 2320/0261** (2013.01)

Citation (search report)

- [X] US 2004001054 A1 20040101 - NITTA HIROYUKI [JP], et al
- [X] US 5490000 A 19960206 - TANAKA TOMIO [JP], et al
- [X] US 2001003448 A1 20010614 - NOSE TAKASHI [JP], et al
- [X] US 6489941 B1 20021203 - INAGE FUMIAKI [JP], et al
- [A] EP 0284134 A1 19880928 - PHILIPS NV [NL]

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1603107 A1 20051207

DOCDB simple family (application)

EP 04013038 A 20040602