

Title (en)

Driving circuit of a liquid crystal display and driving method thereof

Title (de)

Ansteuerschaltkreis für eine Flüssigkristallanzeige und Ansteuerverfahren dafür

Title (fr)

Circuit de commande pour un dispositif d'affichage à cristaux liquides et son procédé de commande

Publication

**EP 1538595 A1 20050608 (EN)**

Application

**EP 03027582 A 20031201**

Priority

EP 03027582 A 20031201

Abstract (en)

A driving method of a liquid crystal display (LCD) (30) includes (a) measuring reaction curves of LCD panel pixels (36) switching from any gray scale value to others within a frame period and generating a standard table (60) according to the results, (b) measuring adjustment gray scale values of any gray scale value for different gammas, (c) generating a plurality of tables (52) according to the adjustment gray scale values and the standard table (60), (d) applying scan voltages to the scan lines (32), (e) receiving image data from an image signal terminal (42), (f) delaying the image data for a frame period to generate delayed image data, (g) selecting a table (70) from the standard table (60) and the tables (52) according to gamma, and (h) selecting an image data value from the selected table (70) according to the current and delayed image data to generate a data line voltage to be applied on a corresponding data line (34). <IMAGE>

IPC 1-7

**G09G 3/36**

IPC 8 full level

**G09G 3/36** (2006.01); **G09G 3/20** (2006.01)

CPC (source: EP)

**G09G 3/3648** (2013.01); **G09G 2320/0252** (2013.01); **G09G 2320/0261** (2013.01); **G09G 2320/041** (2013.01); **G09G 2320/0673** (2013.01); **G09G 2340/16** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

DE

DOCDB simple family (publication)

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