

Title (en)

Method and apparatus for driving a display device with variable reference driving signals

Title (de)

Verfahren und Vorrichtung zur Ansteuerung einer Anzeigevorrichtung mit Steuersignalen mit variabler Referenz

Title (fr)

Procédé et appareil de commande de dispositif d'affichage avec signaux de commande de référence variable

Publication

**EP 1895496 A3 20090304 (EN)**

Application

**EP 07111198 A 20070627**

Priority

- EP 06300741 A 20060630
- EP 07111198 A 20070627

Abstract (en)

[origin: EP1895496A2] A method and an apparatus capable of increasing the video depths depending on the video content of each line in order to provide a maximum of color gradation for each given scene shall be proposed. For this purpose there is disclosed an apparatus for driving a display device (16) including input means (11) for receiving a digital value as video level for each pixel or cell of a line of the display device (16), reference signalling means (19) for providing at least one reference driving signal and driving means (15) for generating a driving signal on the basis of the digital value and the at least one reference driving signal. The apparatus further includes adjusting means (18) for adjusting the at least one reference driving signal in dependence of the digital values of at least a part of the line.

IPC 8 full level

**G09G 3/32** (2006.01)

CPC (source: EP)

**G09G 3/3233** (2013.01); **G09G 3/3291** (2013.01); **G09G 2300/043** (2013.01); **G09G 2310/027** (2013.01); **G09G 2320/0271** (2013.01); **G09G 2320/0285** (2013.01); **G09G 2360/16** (2013.01)

Citation (search report)

- [XY] US 2002011979 A1 20020131 - NITTA HIROYUKI [JP], et al
- [X] EP 1622119 A1 20060201 - THOMSON BRANDT GMBH [DE], et al
- [X] EP 1469449 A1 20041020 - SONY CORP [JP]
- [Y] US 2003122743 A1 20030703 - SUZUKI YOSHIO [JP]

Cited by

EP2722842A1; US9286824B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1895496 A2 20080305; EP 1895496 A3 20090304**

DOCDB simple family (application)

**EP 07111198 A 20070627**