

Title (en)

Method and device for improving the grey scale resolution of a pulse width modulated image display device

Title (de)

Verfahren und Vorrichtung zur Verbesserung der Grauwertauflösung einer pulsbreitengesteuerten Bildanzeigevorrichtung

Title (fr)

Procédé et dispositif d'amélioration de la résolution en niveaux de gris d'un dispositif d'affichage d'images à modulation d'impulsions en largeur

Publication

EP 1475769 A3 20090715 (DE)

Application

EP 04010512 A 20040504

Priority

DE 10320300 A 20030507

Abstract (en)

[origin: EP1475769A2] During the image analysis it is ascertained if the images should be displayed with predominantly dark areas without larger bright areas, in which case a first signal is generated that varies the number of the sustain-pulses for the activation sequences lying within the given time-period, to change the determined brightness ratio. A second signal is generated for influencing the video signal via an amplifier arranged in an analog part of the video signal path, so that the picture brightness change caused by the first signal is at least partly compensated. An independent claim is included for a device for improving the gray scale representation for a PWM-controlled image display.

IPC 8 full level

G09G 3/28 (2006.01); **G09G 3/20** (2006.01); **G09G 3/288** (2006.01); **G09G 3/294** (2013.01)

CPC (source: EP)

G09G 3/2944 (2013.01); **G09G 2320/0626** (2013.01); **G09G 2320/066** (2013.01); **G09G 2330/045** (2013.01); **G09G 2360/16** (2013.01)

Citation (search report)

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CN116721627A

Designated contracting state (EPC)

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

Designated extension state (EPC)

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