

Title (en)

Brightness correction for LCD displays with backlight modulation

Title (de)

Helligkeitsberichtigung von LCD-Anzeigen mit Rückbeleuchtungsmodulation

Title (fr)

Correction de luminance pour affichages à cristaux liquides avec modulation de rétroéclairage

Publication

EP 2312567 A1 20110420 (EN)

Application

EP 10179819 A 20100927

Priority

TR 200907513 A 20091002

Abstract (en)

This invention relates to a system and a method for providing backlight to a backside of a display panel which system comprises a backlight driving unit for driving said backlight, a dimming control unit to vary said backlight in accordance with the image content to increase image contrast, an LCD control unit for controlling areas of an LCD transmittance panel, characterized in that said LCD control unit varies the LCD transmittance to compensate the intensity variation of the pixel levels due to dimming.

IPC 8 full level

G09G 3/34 (2006.01); **G09G 3/36** (2006.01)

CPC (source: EP)

G09G 3/3426 (2013.01); **G09G 3/3611** (2013.01); **G09G 2320/0646** (2013.01)

Citation (applicant)

- FANG-CHENG LIN ET AL.: "Dynamic Backlight Gamma on High Dynamic Range LCD TVs", JOURNAL OF DISPLAY TECHNOLOGY, June 2008 (2008-06-01), pages 139 - 146
- SID SYMPOSIUM DIGEST OF TECHNICAL PAPERS, vol. 37, June 2006 (2006-06-01), pages 1242 - 1245
- HIGH CONTRAST LCD TV USING ACTIVE DYNAMIC LED BACKLIGHT SID SYMPOSIUM DIGEST OF TECHNICAL PAPERS, vol. 38, no. 1, May 2007 (2007-05-01), pages 1336 - 1338

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

BA ME RS

DOCDB simple family (publication)

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