

Title (en)

System and method for adjusting a backlight level for a display on an electronic device

Title (de)

System und Verfahren zur Einstellung eines Rückbeleuchtungsgrades für eine Anzeige einer elektronischen Vorrichtung

Title (fr)

Système et procédé pour régler le niveau de rétroéclairage de l'affichage dans un dispositif électronique

Publication

EP 2184732 A1 20100512 (EN)

Application

EP 10152602 A 20060214

Priority

- EP 10152602 A 20060214
- EP 06101680 A 20060214

Abstract (en)

The invention provides a system and method for calculating a backlight level for an image being displayed on an electronic device (10). In one aspect, a backlight adjustment module is provided. The backlight adjustment module controls a backlight system (64) that provides backlight for a display (14) in an electronic device. The backlight adjustment module provides: calculations of an average intensity for an image being displayed on the display on a running average basis (302) from a greyscale value associated with the image corrected according to a gamma curve and to determine a backlight level for the image using the average intensity, where the darker the image the greater is the backlight level; and controls signals to the backlight system based on the calculations to generate a backlight for the image generated on the display.

IPC 8 full level

G09G 3/34 (2006.01)

CPC (source: EP)

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Citation (applicant)

- JP H03179886 A 19910805 - TOSHIBA CORP
- US 2001033260 A1 20011025 - NISHITANI SHIGEYUKI [JP], et al

Citation (search report)

- [I] JP H03179886 A 19910805 - TOSHIBA CORP
- [A] US 2001033260 A1 20011025 - NISHITANI SHIGEYUKI [JP], et al

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