

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 2096623 A1 20090902 (EN)

Application

EP 08152119 A 20080229

Priority

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Abstract (en)

The disclosure describes a system and method for adjusting a backlight for a display for an electronic device. In the method, the following steps are provided: identifying a highest brightness value of an image for generation on the display; determining whether there is sufficient brightness headroom for the image based on the highest brightness value. If the brightness headroom is sufficient, then the method adjusts the image to create an adjusted image where elements of the adjusted image are boosted in brightness from the image based on the brightness headroom; and generates the adjusted image on the display. Finally, the method adjusts a backlight level to a lower adjusted backlight level for the adjusted image based on the brightness headroom.

IPC 8 full level

G09G 3/34 (2006.01)

CPC (source: EP)

G09G 3/3406 (2013.01); **G09G 2320/0646** (2013.01); **G09G 2330/021** (2013.01); **G09G 2360/144** (2013.01); **G09G 2360/16** (2013.01)

Citation (applicant)

- US 2004257324 A1 20041223 - HSU HORNG-BIN [TW]
- US 2004113906 A1 20040617 - LEW STEPHEN D [US], et al
- US 2002021292 A1 20020221 - SAKASHITA YUKIHIKO [JP]
- WO 2005119639 A1 20051215 - KONINKL PHILIPS ELECTRONICS NV [NL], et al

Citation (search report)

- [X] US 2004257324 A1 20041223 - HSU HORNG-BIN [TW]
- [X] US 2004113906 A1 20040617 - LEW STEPHEN D [US], et al
- [X] US 2002021292 A1 20020221 - SAKASHITA YUKIHIKO [JP]
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Citation (examination)

- EP 1475772 A1 20041110 - THOMSON LICENSING SA [FR]
- US 2005248592 A1 20051110 - FENG XIAO-FAN [US], et al
- US 2007279369 A1 20071206 - YAO WEI [US], et al

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Designated extension state (EPC)

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DOCDB simple family (application)

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