

Title (en)
A liquid crystal display method and apparatus

Title (de)
Flüssigkristallanzeige und -vorrichtung

Title (fr)
Affichage à cristaux liquides et appareil

Publication
EP 2056284 B1 20100616 (EN)

Application
EP 07021495 A 20071105

Priority
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Abstract (en)
[origin: EP2056284A1] The present invention discloses a liquid crystal display method, which can adjust the brightness of different segments of backlight according to the different images. Especially, the present invention discloses a liquid crystal display method, which comprises: receiving an image signal; analyzing the image signal; dividing the image into at least two image segments according to the analysis result of the image signal; dividing the backlight into at least two backlight segments according to the division result of the image; adjusting the brightness of the backlight in each backlight segment; adjusting the image signal in each image segment. The liquid crystal display method of the present invention divide the image and the backlight according to the image signal, while adjusting the brightness of the image and backlight in each segment to not only decrease the power consumption of the liquid crystal display, but also increase the contrast of the image signal, thereby improving the effect of liquid crystal display.

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G09G 3/3426 (2013.01); **G09G 2320/0646** (2013.01); **G09G 2360/16** (2013.01)

Citation (examination)
• US 2006125771 A1 20060615 - INUZUKA TATSUKI [JP], et al
• US 2005179637 A1 20050818 - IISAKA HIDEHITO [JP]

Cited by
CN102713734A; CN101673521A; CN113643651A

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