

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 A1 20090506 (EN)

Application
EP 07021495 A 20071105

Priority
EP 07021495 A 20071105

Abstract (en)
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.

IPC 8 full level
G09G 3/34 (2006.01)

CPC (source: EP)
G09G 3/3426 (2013.01); **G09G 2320/0646** (2013.01); **G09G 2360/16** (2013.01)

Citation (applicant)
US 7113164 B1 20060926 - KURIHARA HIROSHI [JP]

Citation (search report)

- [XD] US 7113164 B1 20060926 - KURIHARA HIROSHI [JP]
- [X] US 2007120766 A1 20070531 - YANAMOTO KAORU [JP]
- [X] JP 2002099250 A 20020405 - TOSHIBA CORP

Cited by
CN101673521A; CN102713734A; CN113643651A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 2056284 A1 20090506; EP 2056284 B1 20100616; AT E471552 T1 20100715; DE 602007007220 D1 20100729; DK 2056284 T3 20101011; EP 2178075 A1 20100421; ES 2347700 T3 20101103

DOCDB simple family (application)
EP 07021495 A 20071105; AT 07021495 T 20071105; DE 602007007220 T 20071105; DK 07021495 T 20071105; EP 10151060 A 20071105; ES 07021495 T 20071105