

Title (en)  
Liquid crystal display

Title (de)  
Flüssigkristallanzeige

Title (fr)  
Dispositif d'affichage à cristaux liquides

Publication  
**EP 1569196 A2 20050831 (EN)**

Application  
**EP 05250788 A 20050211**

Priority  
GB 0403077 A 20040211

Abstract (en)  
An LCD display device such as a television or computer monitor comprises an LCD display 10, and a photo sensor 15 for sensing the ambient lighting level within a room in which the display 10 is situated. The device further comprises an electronic circuit for analysing the video content of a picture being displayed on the display 10, and a control circuit connected to both the output of the photo sensor 15 and video analysing circuit 13. The control circuit determines the brightness of a back light 11 which illuminates the LCD display 10. The brightness of the back light is dependent on the ambient lighting levels and the video content of the picture and is varied accordingly so as to optimise the contrast of the displayed picture.  
<IMAGE>

IPC 1-7  
**G09G 3/36**; G09G 3/34

IPC 8 full level  
**G09G 3/34** (2006.01); **G09G 3/36** (2006.01)

CPC (source: EP)  
**G09G 3/3406** (2013.01); **G09G 3/3611** (2013.01); **G09G 2320/02** (2013.01); **G09G 2320/0606** (2013.01); **G09G 2320/0626** (2013.01); **G09G 2320/064** (2013.01); **G09G 2360/144** (2013.01); **G09G 2360/16** (2013.01)

Cited by  
EP2019353A3; EP1892698A4; US8436803B2; EP2019353A2

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1569196 A2 20050831**; **EP 1569196 A3 20051214**; GB 0403077 D0 20040317; GB 2411039 A 20050817

DOCDB simple family (application)  
**EP 05250788 A 20050211**; GB 0403077 A 20040211