

Title (en)

Direct view liquid crystal display with automatic colour adjustment

Title (de)

Flüssigkristallanzeige für Direktbetrachtung mit automatischer Farbeinstellung

Title (fr)

Affichage à cristaux liquides à vue directe avec réglage automatique de la couleur

Publication

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Application

**EP 97401259 A 19970605**

Priority

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Abstract (en)

The invention relates to a direct view liquid crystal display for colored images, comprising : a LCD panel (10), a light source (16) providing approximately uniform illumination of the rear face of the panel, and color circuit means (34) for controlling the colors of the panel. The display comprises means (32) for controlling the color control means (34) with a signal representing the intensity of the light source and/or the intensity of the ambient light. This signal controls for instance the gamma correction for each color. <IMAGE>

IPC 1-7

**G09G 3/36**

IPC 8 full level

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CPC (source: EP)

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**G09G 2320/0626** (2013.01); **G09G 2320/0666** (2013.01); **G09G 2320/0673** (2013.01); **G09G 2360/144** (2013.01)

Citation (search report)

- [Y] US 5132825 A 19920721 - MIYADERA SHUNICHI [JP]
- [A] US 5406305 A 19950411 - SHIMOMURA YOUNKO [JP], et al
- [A] EP 0735520 A1 19961002 - SHARP KK [JP]
- [A] US 4394688 A 19830719 - IIDA HITOSHI, et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 5, no. 91 (E - 061) 13 June 1981 (1981-06-13)
- [A] PATENT ABSTRACTS OF JAPAN vol. 96, no. 2 29 February 1996 (1996-02-29)
- [A] PATENT ABSTRACTS OF JAPAN vol. 95, no. 5 30 June 1995 (1995-06-30)

Cited by

EP1158484A3; US7928955B1; EP1137266A3; KR100739900B1; EP2251854A1; EP1220193A3; EP1251482A3; GB2372135A;  
GB2372135B; EP1249818A3; EP1531453A3; EP1223570A3; EP2463850A1; EP1499918A4; EP1713055A4; EP1850316A1; EP1361563A3;  
CN104700786A; US8358262B2; US8648781B2; US7348957B2; US7636086B2; US10319342B2; WO2004008425A3; WO03003340A1;  
US8466907B2; US9940902B2; US7119786B2; US9165493B2; US7477228B2; US7952555B2; US7002594B2; US7777759B2; US7821522B2;  
WO2005029459A1; WO2016107267A1; WO2005104081A1; WO03026285A3; WO2004055769A1; WO2016112730A1; EP1282099A2;  
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