

Title (en)

Liquid crystal display driver for compensating viewing angle

Title (de)

Steuerschaltung einer Flüssigkristallanzeige zur Kompensation des Sichtwinkels

Title (fr)

Circuit de commande pour compensation de l'angle de vue pour un dispositif d'affichage à cristaux liquides

Publication

EP 1553553 A3 20080730 (EN)

Application

EP 04019705 A 20040819

Priority

CN 04101640 A 20040107

Abstract (en)

[origin: EP1553553A2] A system comprises a liquid crystal display viewable from front and side view points, and comprising a plurality of pixels having corresponding original luminance values, a plurality of data lines in the display, a plurality of data drivers for driving the data lines, and an adjusted gray scale generator for adjusting gray scales of the pixels and outputting two adjusted gray scales to the data drivers for driving the data lines at double the frequency. Original gray scales correspond to the original normalized luminance of front views and side views. For the adjusted gray scales stored in the look up table corresponding to the original gray scales, the sum of the absolute value of the difference between the adjusted normalized luminance values for the front and side views should be less than the sum of the absolute value of the difference between the original normalized luminance values for the front and side views in order to minimise color shifting between the front and side views.

IPC 8 full level

G09G 3/36 (2006.01); **G09G 5/06** (2006.01); **G09G 3/20** (2006.01)

CPC (source: EP)

G09G 3/3607 (2013.01); **G09G 3/3685** (2013.01); **G09G 5/06** (2013.01); **G09G 3/2022** (2013.01); **G09G 2300/0447** (2013.01); **G09G 2300/0452** (2013.01); **G09G 2320/0276** (2013.01); **G09G 2320/028** (2013.01); **G09G 2320/0285** (2013.01)

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