

Title (en)
LCD inversion control

Title (de)
LCD-Umkehrungssteuerung

Title (fr)
Contrôle d'inversion LCD

Publication
EP 2109094 A1 20091014 (EN)

Application
EP 08154287 A 20080409

Priority
EP 08154287 A 20080409

Abstract (en)
A liquid crystal display device (40) has an inversion part (20) for controlling an inversion of a signal to be displayed, and a blanking insertion part (10) for driving the liquid crystal elements to a different level to that indicated by the signal in between fields or frames of the video signal, the inversion part being adaptable according to operation of the blanking insertion part. By adapting the inversion to different modes of operation, the problem of the blanking interfering with the inversion in certain modes can be avoided. For example if for any given liquid crystal element, the blanking occurs more often when the signal is inverted and less often when the signal is not inverted, then, over time a net DC field can arise, causing that element to show a wrong color or become damaged.

IPC 8 full level
G09G 3/36 (2006.01)

CPC (source: EP)
G09G 3/3413 (2013.01); **G09G 3/3614** (2013.01); **G09G 3/2018** (2013.01); **G09G 3/342** (2013.01); **G09G 2310/0235** (2013.01); **G09G 2310/0237** (2013.01); **G09G 2310/024** (2013.01); **G09G 2310/061** (2013.01); **G09G 2310/08** (2013.01); **G09G 2320/0204** (2013.01); **G09G 2320/0247** (2013.01); **G09G 2320/0252** (2013.01); **G09G 2320/0261** (2013.01); **G09G 2320/0626** (2013.01); **G09G 2320/0646** (2013.01); **G09G 2320/0666** (2013.01); **G09G 2360/145** (2013.01); **G09G 2360/18** (2013.01)

Citation (applicant)
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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

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