

Title (en)
LIQUID CRYSTAL DISPLAY DEVICE

Title (de)
FLÜSSIGKRISTALLANZEIGENORDNUNG

Title (fr)
DISPOSITIF D'AFFICHAGE À CRISTAUX LIQUIDES

Publication
EP 2056286 A4 20090916 (EN)

Application
EP 07792475 A 20070813

Priority
• JP 2007065832 W 20070813
• JP 2006228476 A 20060824

Abstract (en)
[origin: EP2056286A1] A liquid crystal display device according to the present invention includes a plurality of pixels, each including first and second subpixels. When a predetermined grayscale tone is displayed continuously through four or more consecutive even number of vertical scanning periods, the first and second subpixels have different luminances in at least two of the even number of vertical scanning periods, first polarity periods that are included in the vertical scanning periods and that maintain a first polarity are as long as second polarity periods that are also included in the vertical scanning periods and that maintain a second polarity for each of the first and second subpixels, and in each of the first and second polarity periods, the difference between the average of effective voltages applied to the liquid crystal layer of the first subpixel and that of effective voltages applied to the liquid crystal layer of the second subpixel is substantially equal to zero.

IPC 8 full level
G09G 3/36 (2006.01); **G02F 1/133** (2006.01); **G02F 1/1343** (2006.01); **G09G 3/20** (2006.01)

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Citation (search report)
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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

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DOCDB simple family (application)
EP 07792475 A 20070813; CN 200780031269 A 20070813; EP 10015232 A 20070813; EP 10015233 A 20070813; JP 2007065832 W 20070813; JP 2008530861 A 20070813