

Title (en)
Liquid crystal display device

Title (de)
Flüssigkristallanzeigeanordnung

Title (fr)
Dispositif d'affichage à cristaux liquides

Publication
EP 2284829 A1 20110216 (EN)

Application
EP 10015233 A 20070813

Priority
• EP 07792475 A 20070813
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Abstract (en)
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
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Citation (applicant)
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• JP 2003295160 A 20031015 - SHARP KK
• US 6958791 B2 20051025 - SHIMOSHIKIRYO FUMIKAZU [JP]
• JP H11242225 A 19990907 - SHARP KK [JP]
• JP 2006228476 A 20060831 - MATSUSHITA ELECTRIC WORKS LTD
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Citation (search report)
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• [Y] WO 2006070829 A1 20060706 - SHARP KK [JP], et al
• [Y] US 2003058211 A1 20030327 - KIM SANG-IL [KR], et al
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Citation (examination)
• JP 2003255306 A 20030910 - MATSUSHITA ELECTRIC IND CO LTD
• EP 1538599 A2 20050608 - SHARP KK [JP]

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