Title (en)
Repeated-scan driving method for field sequential color liquid crystal display

Title (de)
Wiederholtes Abtastantriebsverfahren für eine feldsequentielle Farbflüssigkristallanzeige

Title (fr)
Procédé de commande de balayage répété pour affichage couleur à cristaux liquides séquentiel de champ

Publication
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Abstract (en)
The present invention discloses a REPEATED-SCAN driving method, which applies to a field sequential color liquid crystal display, wherein each sequential-color cycle (31) of the multiplex-scan signal (30) has at least two stages of scans (32) to increase the luminous fluxes of all colors of backlights (20) and bring closer the total amounts of fluxes, whereby is achieved higher color saturation and better flux uniformity between the rows. Further, the method of the present invention controls the backlights (20) to form dark stages (21) between the intervals respectively of two different colors of the backlights (20) and controls the dark stage (21) to coincide with a color-mixing interval, which is caused by response delay of liquid crystal, to prevent from color distortion caused by color mixing. Therefore, the present invention can generate the pure colors and the designed derived colors accurately.

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Citation (applicant)
- US 2008018588 A1 20080124 - YOSHIHARA TOSHIAKI [JP], et al
- US 6570554 B1 20030527 - MAKINO TETSUYA [JP], et al

Citation (search report)
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- [A] WO 2006095304 A1 20060914 - KONINKL PHILIPS ELECTRONICS NV [NL], et al
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