Title (en)

Liquid crystal display and driving method for liquid crystal display

Title (de)

Flüssigkristallanzeigevorrichtung und Steuerverfahren dafür

Title (fr)

Dispositif d'affichage à cristaux liquides et sa méthode de commande

Publication

EP 1111576 A2 20010627 (EN)

Application

EP 00125689 A 20001123

Priority

JP 33517099 A 19991125

Abstract (en)

For an image display area, a scanning signal circuit (14) sequentially outputs scanning signals (S14-61 to S14-1140) once for one horizontal period of an image input signal (Iin), and pixel data signals (S13-1 to S13-m) are input from a display signal circuit (13) to a liquid crystal panel (15). For a blanking area, a plurality of input pulses (S11b) are input to the scanning signal circuit (14) synchronously with a high speed clock signal (S11c), and the input pulses (S11b) transfer to the blanking area. After writing blanking lines to thirty odd lines at an upper side of the liquid crystal panel (15) at a same time, blanking lines are written into thirty even lines at the upper side at a same time. Similarly, after writing blanking lines to thirty odd lines at a lower side of the liquid crystal panel (15) at a same time, blanking lines are written into thirty even lines at the lower side at a same time. With this operation, when a number of scanning signal lines (X1 to Xn) of the liquid crystal panel (15) is larger than a number of scanning lines of one vertical period of the image input signal (Iin), the blanking area is made completely. <IMAGE>

IPC 1-7

G09G 3/36

IPC 8 full level

G02F 1/133 (2006.01); **G09G 3/20** (2006.01); **G09G 3/36** (2006.01)

CPC (source: EP KR)

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