

Title (en)
Liquid crystal display device.

Title (de)
Flüssigkristallanzeigeeinrichtung.

Title (fr)
Dispositif d'affichage à cristaux liquides.

Publication
EP 0434033 B1 19950809 (EN)

Application
EP 90124774 A 19901219

Priority
JP 32905589 A 19891219

Abstract (en)
[origin: EP0434033A2] A liquid crystal display device comprises a liquid crystal panel (201) provided with a pair of substrates (202, 203) sandwiching a liquid crystal layer therebetween, a scanning electrode group (Y1-Y6) on one of said substrates, a signal electrode group (X1-X6) on the other of said substrates, a pixel being formed at each crossing point between a scanning electrode and a signal electrode, and means (205, 213) for applying a scanning voltage wave to at least one end of said scanning electrode group and for applying a signal voltage wave to at least one end of said signal electrode group to display images and characters (display pattern) and for superimposing a correcting voltage to the scanning voltage wave and/or the signal voltage wave in accordance with the display pattern. Additional means (104) are provided for varying the value and/or the time of application of said correcting voltage in accordance with the pixel positions from said at least one end of said scanning electrode group and/or in accordance with the pixel positions from said at least one end of the signal electrode group. Thereby the evenness of the display can be remarkably improved. <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); **G01N 35/00** (2006.01)

CPC (source: EP KR)
G09G 3/00 (2013.01 - KR); **G09G 3/3681** (2013.01 - EP); **G09G 2320/0209** (2013.01 - EP); **G09G 2320/041** (2013.01 - EP)

Cited by
US5440322A; US2010149168A1; FR2916295A1; EP0603713A1; US5657037A; EP0542307A3; US7071635B2; US6580407B1; WO2008142301A1

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0434033 A2 19910626; EP 0434033 A3 19920422; EP 0434033 B1 19950809; DE 69021522 D1 19950914; DE 69021522 T2 19960222; JP 2867515 B2 19990308; JP H03189621 A 19910819; KR 910013035 A 19910808; TW 201825 B 19930311

DOCDB simple family (application)
EP 90124774 A 19901219; DE 69021522 T 19901219; JP 32905589 A 19891219; KR 900021012 A 19901219; TW 79109141 A 19901029