

Title (en)

APPARATUS AND METHOD FOR DRIVING A FERROELECTRIC LIQUID CRYSTAL DEVICE.

Title (de)

VORRICHTUNG UND VERFAHREN ZUM TREIBEN EINER FERROELEKTRISCHEN FLÜSSIGKRISTALLVORRICHTUNG.

Title (fr)

APPAREIL ET PROCEDE D'ATTAQUE D'UN DISPOSITIF A CRISTAUX LIQUIDES FERRO-ELECTRIQUES.

Publication

EP 0327627 B1 19931208 (EN)

Application

EP 88906995 A 19880812

Priority

GB 8719078 A 19870812

Abstract (en)

[origin: WO8901680A1] In a method of driving a matrix of ferroelectric liquid crystal devices in a TDM mode, each strobing signal comprises first and second pulses (20, 21) of opposite polarities and of different amplitudes, together with a dc voltage (26) which is applied from the end of the second pulse to the beginning of the first pulse of the next strobing signal on the same strobe line to cancel the dc level which would be caused by the unequal pulses. Data ON signals applied selectively to data lines of the matrix comprise two consecutive pulses (22, 23) of opposite polarities. Data OFF signals (24, 25) may be the inverse of the data ON signals or may comprise a constant dc level. The combination of the two pulses with a dc level to form each strobing signal means that only two strobe pulse time slots per frame are required for addressing each strobe line, as compared with the conventional systems in which four time slots per frame are required.

IPC 1-7

G09G 3/36

IPC 8 full level

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

CPC (source: EP)

G09G 3/3629 (2013.01); **G09G 2310/06** (2013.01); **G09G 2320/0204** (2013.01); **G09G 2320/0209** (2013.01)

Designated contracting state (EPC)

DE FR IT NL

DOCDB simple family (publication)

WO 8901680 A1 19890223; DE 3886192 D1 19940120; DE 3886192 T2 19940414; EP 0327627 A1 19890816; EP 0327627 B1 19931208; GB 2208559 A 19890405; GB 2208559 B 19910904; GB 8719078 D0 19870916; JP H02500936 A 19900329

DOCDB simple family (application)

GB 8800669 W 19880812; DE 3886192 T 19880812; EP 88906995 A 19880812; GB 8719078 A 19870812; JP 50664288 A 19880812