

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.

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**G09G 3/36**

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