Title (en)
Liquid crystal apparatus.

Title (de)
Flüssigkristallanzeige.

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

Publication
EP 0394903 A2 19901031 (EN)

Application
EP 90107631 A 19900423

Priority
JP 10173389 A 19890424

Abstract (en)
A liquid crystal apparatus includes: a ferroelectric liquid crystal device comprising an electrode matrix including a plurality of scanning lines and a plurality of data lines intersecting with the scanning lines, and a ferroelectric liquid crystal disposed between the scanning lines and data lines, and drive means for sequentially applying a scanning signal to the scanning lines for selecting a particular scanning line, and for applying data signals for the pixels on the selected scanning line to the data lines; wherein each of the data signals has a plurality of pulses including a pulse in a controlled phase and a pulse in an auxiliary phase, and the scanning signal for the selected scanning line has a compensation pulse for compensating the pulse in the auxiliary phase of a data signal for a pixel on the selected scanning line.

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 3/3674** (2013.01); G09G 2310/0205 (2013.01); G09G 2310/04 (2013.01); G09G 2310/06 (2013.01); G09G 2310/061 (2013.01); G09G 2320/0247 (2013.01)

Cited by
US5657041A; US6300925B1; US5321419A; DE102011007493A1; DE102011007493B4; US6271817B1; WO9407235A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0394903 A2 19901031; **EP 0394903 A3 19910918**; **EP 0394903 B1 19950719**; AT E125380 T1 19950815; DE 69020942 D1 19950824; DE 69020942 T2 19951123; ES 2074493 T3 19950916; JP 2652886 B2 19970910; JP H02281233 A 19901116

DOCDB simple family (application)
EP 90107631 A 19900423; AT 90107631 T 19900423; DE 69020942 T 19900423; ES 90107631 T 19900423; JP 10173389 A 19890424