

Title (en)

Liquid crystal apparatus and driving method therefor.

Title (de)

Flüssigkristallgerät und Verfahren zum Steuern dieses Gerätes.

Title (fr)

Dispositif à cristaux liquides et méthode de commande pour ce dispositif.

Publication

**EP 0344753 B1 19950802 (EN)**

Application

**EP 89109852 A 19890531**

Priority

JP 13590788 A 19880601

Abstract (en)

[origin: EP0344753A2] A liquid crystal apparatus, includes a liquid crystal device comprising a matrix electrode structure including scanning electrodes and data electrodes intersecting each other and forming a pixel at each intersection, and a ferroelectric liquid crystal having a negative dielectric anisotropy disposed between the scanning electrodes and the data electrodes; and means for applying to a pixel on a selected scanning electrode a bipolar pulse for causing a conversion of one optical state to the other optical state of the pixel, the bipolar data pulse including a unit pulse of one polarity which has a duration set to be shorter than a minimum value  $\tau_{min}$  of a current response time  $\tau_0$ .

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 2320/0209** (2013.01)

Cited by

US6127996A; US7297377B2; GB2312542A; GB2312542B; WO9723863A1

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**EP 0344753 A2 19891206**; **EP 0344753 A3 19910814**; **EP 0344753 B1 19950802**; DE 68923654 D1 19950907; DE 68923654 T2 19960118; JP H01304430 A 19891208; JP H0833537 B2 19960329

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