

Title (en)

LIQUID CRYSTAL SWITCHING MEMBER AND LCD DEVICE

Title (de)

FLÜSSIGKRISTALLSCHALTELEMENT UND FLÜSSIGKRISTALLDARSTELLUNGSEINRICHTUNG

Title (fr)

ELEMENT DE COMMUTATION A CRISTAUX LIQUIDES ET DISPOSITIF D'AFFICHAGE A CRISTAUX LIQUIDES

Publication

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Application

**EP 00954531 A 20000719**

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Abstract (en)

[origin: WO0107962A1] The present invention relates to a liquid crystal electro-optical switching member that comprises at least one polariser and a liquid crystal layer having an initial orientation in which the liquid crystal molecules are oriented so as to be essentially parallel to the substrates and to each other. The change of orientation of the liquid crystals, from their initial orientation that is substantially parallel to the substrates, is induced by a corresponding electric field which is oriented so as to be practically parallel to the substrates in the case liquid crystal with a negative dielectric anisotropy and so as to be practically perpendicular to the substrates in the case liquid crystal with a positive dielectric anisotropy. The liquid crystal layer has an optical delay [(d< DELTA n)>LC<] of between 0.06 and 0.43 mu m. The present invention also relates to a liquid crystal display system that comprises said liquid crystal switching members.

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**G02F 1/139**

IPC 8 full level

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