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Abstract

A ferroelectric liquid crystal display comprises two liquid crystal cells disposed one behind the other between two polarizers, one cell having line electrodes and the other having pixel electrodes. The pixel electrodes are driven with image information in synchronism with the line electrodes. The orientation and refractive index of the liquid crystal cells are so chosen that transmission is not substantially altered when the control voltages are reversed. The two displays are so actuated that the switching angle never exceeds $\pm 22.5^\circ$. The polarity of the voltages is periodically so inverted that on average there is no DC voltage across the cells.

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(Fig. 2)

