

ABSTRACT

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Light control systems with liquid crystals

A new mode of operation is proposed for light control systems consisting of a combination of liquid crystal cells and polarisers. The direct operation of liquid crystal cells with circular-polarised light is advantageous in many respects. The circular-polarised light is produced either with conventional circular-polarisers or with monomeric or polymeric cholesteric liquid crystals. The new mode of operation is possible under certain conditions for all liquid crystal cells which hitherto had to be operated with linear-polarised light.

(Figure 2)