

Title (en)  
Liquid crystal apparatus

Title (de)  
Flüssigkristallvorrichtung

Title (fr)  
Appareil à cristaux liquides

Publication  
**EP 0717305 B1 20021106 (EN)**

Application  
**EP 96102488 A 19910821**

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Abstract (en)  
[origin: EP0717305A2] Disclosed is a liquid crystal element comprising a liquid crystal exhibiting spontaneous polarization, a pair of electrode substrates for sandwiching said liquid crystal therebetween, characterized in that insulating layers are formed between said electrode substrates and said liquid crystal, wherein a spontaneous polarization  $P_s$  value of said liquid crystal, an interelectrode composite capacitance  $C_i$  of said insulation layers, and a voltage threshold value  $V_{th}$  of optical response of said liquid crystal in said liquid crystal element satisfy the following condition:  
<MATH> <IMAGE>

IPC 1-7  
**G02F 1/1333**; **G02F 1/137**; **G09G 3/36**

IPC 8 full level  
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CPC (source: EP)  
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Cited by  
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