

Title (en)  
Liquid crystal element and apparatus

Title (de)  
Flüssigkristallelement und Flüssigkristallvorrichtung

Title (fr)  
Élément et appareil à cristaux liquides

Publication  
**EP 0717305 A3 19961120 (EN)**

Application  
**EP 96102488 A 19910821**

Priority

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- JP 22170990 A 19900822
- JP 22171090 A 19900822
- JP 19204891 A 19910731

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 Ps value of said liquid crystal, an interelectrode composite capacitance Ci of said insulation layers, and a voltage threshold value Vth of optical response of said liquid crystal in said liquid crystal element satisfy the following condition:  
<MATH> <IMAGE>

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

IPC 8 full level  
**G02F 1/1333** (2006.01); **G02F 1/137** (2006.01); **G09G 3/36** (2006.01); **G09G 3/20** (2006.01)

CPC (source: EP)  
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[A] EP 0294852 A2 19881214 - CANON KK [JP]

Cited by  
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