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(54) **Liquid crystal display element**

(57) There are provided at least two liquid crystal panels 10, 20 including the liquid crystals developing a memory effect, the liquid crystal developing a memory effect on a no-viewer side has a selective reflection wavelength set at 615 nm to 665 nm, the liquid crystal developing a memory effect on a viewer side has a selective

reflection wavelength set at 490 nm to 540 nm, and a color filter 40 having a certain transmission property is provided between the liquid crystal developing a memory effect on the viewer side and the liquid crystal developing a memory effect on the no-viewer side.

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EUROPEAN SEARCH REPORT

Application Number
EP 02 02 1215

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	DAVIS D ET AL: "Multiple color high resolution reflective cholesteric liquid crystal displays" CONFERENCE RECORD OF THE 1997 INTERNATIONAL DISPLAY RESEARCH CONFERENCE AND INTERNATIONAL WORKSHOPS ON LCD TECHNOLOGY AND EMISSIVE TECHNOLOGY SOC. INF. DISPLAY SANTA ANA, CA, USA, 1997, pages 242-245, XP002365932 * the whole document *	1-4,11,12	G09G3/36
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X	US 5 463 482 A (JONES ET AL) 31 October 1995 (1995-10-31) * column 3, line 11 - line 29 * * column 7, line 37 - line 62 *	1-3,11	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 6 February 2006	Examiner Diot, P
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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专利名称(译)	液晶显示元件		
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当前申请(专利权)人(译)	ASAHI玻璃股份有限公司		
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IPC分类号	G09G3/36 G02B5/20 G02B5/26 G02F1/13 G02F1/1333 G02F1/1335 G02F1/1337 G02F1/1347 G02F1/137 G02F1/139		
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优先权	2001304596 2001-09-28 JP 2001302928 2001-09-28 JP 2001285979 2001-09-19 JP		
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摘要(译)

提供至少两个包括产生记忆效应的液晶的液晶面板10,20, 在无观察者侧产生记忆效应的液晶具有设定在615nm至665nm的选择性反射波长, 液晶在观察者侧产生记忆效应应具有设定在490nm至540nm的选择性反射波长, 并且在显示观察者侧的记忆效应的液晶和液晶显影器之间提供具有一定透射性的滤色器40。无视者的记忆效应。

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A	US 6 005 654 A (KIPPER ET AL.) 21 December 1999 (1999-12-21) * column 1, line 28 - column 2, line 56 *	1-13	TECHNICAL FIELD (IPC) G02F

The present search report has been drawn up for all claims.

Place of search

Date of completion of the search

Examiner

The Hague

6 February 2006

Diot, P

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