



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
Y	WO 98/50821 A (CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE ; MARTINOT-LAGARDE, PHILI) 12 November 1998 (1998-11-12) * the whole document *	1-11	G02F1/1337 G02F1/1343 G02F1/139
E	-& US 6 452 573 B1 (MARTINOT-LAGARDE PHILIPPE ET AL) 17 September 2002 (2002-09-17) * column 1, line 1 - column 2, line 11 * * column 15, line 59 - column 16, line 52 * * column 16, line 49 - line 52 * * figures 1-3 * * figures 17,21 *	1-11	
Y	GB 2 330 214 A (THE * SECRETARY OF STATE FOR DEFENCE) 14 April 1999 (1999-04-14) * page 5, line 19 * * figure 2 *	1-11	
A	DURAND G: "Field induced surface anchoring transitions and nematic bistable displays" PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING SPIE-INT. SOC. OPT. ENG USA, vol. 2949, 1997, pages 2-10, XP002366931 ISSN: 0277-786X * the whole document *	1-11	TECHNICAL FIELDS SEARCHED (IPC) G02F
X	JP 10 307295 A (NEC CORP) 17 November 1998 (1998-11-17) * the whole document *	1,2	
E	-& US 2003/081163 A1 (SUZUKI TERUAKI ET AL) 1 May 2003 (2003-05-01) * paragraph [0076] * * paragraph [0131] - paragraph [0133] * * figure 6A *	1-11	
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The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 13 February 2006	Examiner Thomas, K
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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EPO FORM 1503 03.82 (F04C04)



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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
T	<p>KIM JONG-HYUN ET AL: "Surface alignment bistability of nematic liquid crystals by orientationally frustrated surface patterns" APPLIED PHYSICS LETTERS, AIP, AMERICAN INSTITUTE OF PHYSICS, MELVILLE, NY, US, vol. 78, no. 20, 14 May 2001 (2001-05-14), pages 3055-3057, XP012028033 ISSN: 0003-6951 * the whole document *</p> <p style="text-align: center;">-----</p>	1-11	
			TECHNICAL FIELDS SEARCHED (IPC)
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
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EPO FORM 1503 06.82 (F04C04)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 01 94 7920

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

13-02-2006

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专利名称(译)	液晶显示器		
公开(公告)号	EP1300720A4	公开(公告)日	2006-04-12
申请号	EP2001947920	申请日	2001-07-09
[标]申请(专利权)人(译)	独立行政法人科学技术振兴机构		
申请(专利权)人(译)	日本科学技术振兴事业团		
当前申请(专利权)人(译)	日本科学技术振兴事业团		
[标]发明人	YONEYA MAKOTO KIM JONG HYUN YOKOYAMA HIROSHI YAMAMOTO JUN		
发明人	YONEYA, MAKOTO KIM, JONG-HYUN YOKOYAMA, HIROSHI YAMAMOTO, JUN		
IPC分类号	G02F1/1337 G02F1/1343 G02F1/139		
CPC分类号	G02F1/133753 G02F1/134363 G02F1/1391 G02F1/1392 G02F2001/133749 G02F2001/133757		
优先权	2000213040 2000-07-13 JP 2001066435 2001-03-09 JP		
其他公开文献	EP1300720A1 EP1300720B1		
外部链接	Espacenet		

摘要(译)

一种高分辨率，宽视角，低功耗的液晶显示装置，该液晶显示装置利用向列型液晶，并且能够同时获得存储效果和广视角显示特性。一种利用向列型液晶并包括一对透明基板的液晶显示装置。一组电极，用于将电场施加到位于一对基板之间的液晶层上，该电场具有基本平行于基板表面的分量；取向层设置在液晶层和一对基板中的至少一个之间，并且已经在多个方向上进行了液晶锚固处理。取向层的多个液晶锚固方向相对于彼此形成基本相等的角度，并且在每个液晶锚固方向上相对于对应的基板表面的上升角基本上为零。

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