



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 00 30 5880

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 98 18044 A (YASUKAWA MASAHIRO ;SEIKO EPSON CORP (JP)) 30 April 1998 (1998-04-30) -& US 2001/043175 A1 (YASUKAWA) 22 November 2001 (2001-11-22) * paragraph [0048] - paragraph [0060] * * paragraph [0081] * * figures 1A,3 *	1	G02F1/1362
Y	---	4,6,7	
X	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08, 30 June 1998 (1998-06-30) -& JP 10 082991 A (TOSHIBA CORP), 31 March 1998 (1998-03-31) * abstract * * paragraph [0002] - paragraph [0006] * * paragraph [0027] * * paragraph [0031] * * figures 5,13 *	1-3	
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) -& JP 09 230375 A (DENSO CORP), 5 September 1997 (1997-09-05) * abstract * * the whole document *	1-3	TECHNICAL FIELDS SEARCHED (Int.Cl.7) G02F
Y	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 08, 30 June 1998 (1998-06-30) & JP 10 065177 A (TOSHIBA CORP), 6 March 1998 (1998-03-06) * abstract *	4,6	

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The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 1 December 2003	Examiner Girardin, F
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			

EPO FORM 1503 03.82 (P04001)



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
Y	US 5 834 797 A (YAMANAKA HIDEO) 10 November 1998 (1998-11-10) * abstract * * column 14, line 64 - column 17, line 24 * * figures 11C,13 *	4,7	
A	US 5 672 888 A (NAKAMURA KENICHI) 30 September 1997 (1997-09-30) * column 5, line 48 - column 7, line 4 * * column 7, line 56 - column 8, line 6 * * figure 3 *	4,6	
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 12, 26 December 1996 (1996-12-26) & JP 08 213632 A (SANYO ELECTRIC CO LTD), 20 August 1996 (1996-08-20) * abstract *	5	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Place of search MUNICH		Date of completion of the search 1 December 2003	Examiner Girardin, F
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			

EPO FORM 1503 03.92 (P04C01)

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

EP 00 30 5880

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
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01-12-2003

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EPO FORM P0459

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82

专利名称(译)	反射型液晶显示装置		
公开(公告)号	EP1069464A3	公开(公告)日	2004-02-04
申请号	EP2000305880	申请日	2000-07-12
[标]申请(专利权)人(译)	三洋电机株式会社		
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当前申请(专利权)人(译)	SANYO ELECTRIC CO. , LTD.		
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IPC分类号	G02F1/133 G02F1/1335 G02F1/1362		
CPC分类号	G02F1/136227 G02F1/133553 G02F2203/02		
优先权	1999200598 1999-07-14 JP		
其他公开文献	EP1069464A2		
外部链接	Espacenet		

摘要(译)

绝缘基板(10)具有TFT,该TFT包括第一栅电极(11),栅极绝缘膜(12),设置在第一栅电极(11)上方的半导体膜(13)和层间绝缘膜(15)。在位于沟道(13c)上方的位置处的层间绝缘膜(15)上,TFT还包括连接到第一栅电极(11)的第二栅电极(17)。由反射材料构成并连接到TFT的源极(13s)的反射显示电极(20)布置成在TFT上延伸。另外,相邻的反射显示电极(20)之间的间隙(37)布置在除了漏极信号线(52)上方的位置之外的位置。利用这种布置,即使当在常白模式的晶体显示装置上显示黑色图像时,也可以防止由于信号线反射入射光而导致的显示缺陷。此外,可以实现具有高开口率和TFT特性的最小波动的反射型液晶显示装置。

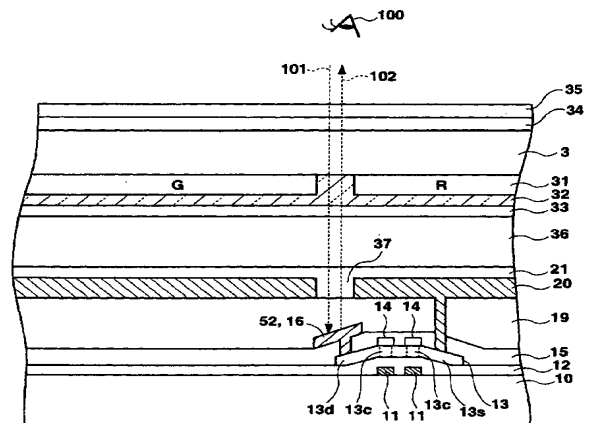


Fig. 2