



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 12 8274

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	EP 0 797 182 A (HITACHI LTD) 24 September 1997 (1997-09-24)	1,2,7,8	G09G3/36
A	* page 6, line 56 - page 7, line 35 * * page 10, line 21 - page 10, line 29; figures 15,17 * ---	5,6	
X	EP 0 271 960 A (PHILIPS ELECTRONICS UK LTD ;PHILIPS NV (NL)) 22 June 1988 (1988-06-22)	1-3	
Y	* column 1, line 23 - column 1, line 43 * * column 6, line 50 - column 13, line 36; figures 1,3,5 * ---	4	
X	"THIN FILM TRANSISTOR FOR GRAY SCALE LCD" IBM TECHNICAL DISCLOSURE BULLETIN, IBM CORP. NEW YORK, US, vol. 33, no. 1A, 1 June 1990 (1990-06-01), pages 481-482, XP000117810 ISSN: 0018-8689 * page 1, line 1 - page 2, line 11; figures 1-5 * ---	1	TECHNICAL FIELDS SEARCHED (Int.Cl.7)
Y	US 4 680 580 A (KAWAHARA YUKITO) 14 July 1987 (1987-07-14) * column 1, line 26 - column 1, line 57; figure 1 * -----	4	G09G
The present search report has been drawn up for all claims			
Place of search MUNICH		Date of completion of the search 18 April 2002	Examiner Harke, M
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 (P04C01)

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

EP 00 12 8274

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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18-04-2002

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专利名称(译)	液晶显示装置		
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其他公开文献	EP1139327B1 EP1139327A2		
外部链接	Espacenet		

摘要(译)

在彩色液晶显示装置中，两个电容器（18,19）并联连接在像素信号线（4）和液体单元（2）的电极（2a）之间，或者其中一个电容器连接在它们之间。或者，没有电容器连接在它们之间，以便以四个步骤选择性地设定液晶单元（2）的电极（2a）的电位（V2）。因此，可以在没有数字-模拟转换电路的情况下执行四个步骤的灰度显示，从而可以降低设备的成本。

FIG. 2

