



DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 11, 30 September 1999 (1999-09-30) -& JP 11 149066 A (HYUNDAI ELECTRON IND CO LTD), 2 June 1999 (1999-06-02) * the whole document *	1-9	INV. G02F1/13 G02F1/1362 G09G3/00 G09G3/36
L	-& US 6 292 182 B1 (PARK JIN SAN ET AL) 18 September 2001 (2001-09-18) * the whole document *	1-9	
X	US 6 023 075 A (YAMAZAKI ET AL) 8 February 2000 (2000-02-08) * figures 1,7; example 2 * -----	10	
			TECHNICAL FIELDS SEARCHED (IPC)
			G02F G09G
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 30 June 2006	Examiner Frank, W
CATEGORY OF CITED DOCUMENTS		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	
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			



CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing more than ten claims.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-9

An active matrix liquid crystal display panel comprising an aging circuit integrated onto the active matrix substrate and at least one of an externally mounted horizontal or vertical driving circuit, and a manufacturing method therefor.

2. claim: 10

An active matrix liquid crystal display panel comprising a low-temperature poly-Silicon TFT-based vertical driving circuit integrated onto the active matrix substrate, and a COG-mounted external horizontal driving circuit with output terminals being in a one-to-one correspondence to the source lines of the active matrix.

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

EP 01 95 4377

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 above-mentioned European search report. The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

30-06-2006

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
JP 11149066 A	02-06-1999	US 6292182 B1	18-09-2001
US 6292182 B1	18-09-2001	JP 11149066 A	02-06-1999
US 6023075 A	08-02-2000	NONE	

专利名称(译)	液晶显示面板及其制造方法和液晶显示器		
公开(公告)号	EP1220018A4	公开(公告)日	2006-08-16
申请号	EP2001954377	申请日	2001-07-30
[标]申请(专利权)人(译)	索尼公司		
申请(专利权)人(译)	索尼公司		
当前申请(专利权)人(译)	索尼公司		
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IPC分类号	G02F1/13 G02F1/1362 G09G3/00 G09G3/36 G02F1/1345 G09F9/00		
CPC分类号	G02F1/13452 G02F1/13454 G02F2001/136254 G09G3/006 G09G3/3688 G09G2300/0408 G09G2330/12		
优先权	2000230993 2000-07-31 JP 2000231013 2000-07-31 JP		
其他公开文献	EP1220018A1		
外部链接	Espacenet		

摘要(译)

液晶显示面板1, 其以TAB, COG或其他形式连接到外部水平驱动电路, 该液晶显示面板1包括有源矩阵, 当通过连接外部驱动电路能够显示图像时, 能够仅通过基板进行老化。显示区域2, 垂直驱动电路4和水平老化电路5, 用于一次提供信号到基板3上提供的多条源极线。中, 小尺寸有源矩阵型液晶显示装置在不使用分时驱动方法的情况下能够以高质量和低成本生产用于PDA等的装置, 并且具有水平驱动电路作为外部电路, 其中垂直驱动电路与液晶显示器一体形成 通过使用低温多晶硅TFT在玻璃基板上的一个区域, 水平驱动电路通过COG连接到液晶显示面板基板, 并且驱动器IC的输出端子构成 水平驱动电路和源极线Ls一一对应。

L	30 September 1999 (1999-09-30) - & JP 11 149066 A (HYUNDAI ELECTRON IND CO LTD), 2 June 1999 (1999-06-02) * the whole document *	1-9	G02F1/13 G02F1/1362 G09G3/00 G09G3/36
	- & US 6 292 182 B1 (PARK JIN SAN ET AL) 18 September 2001 (2001-09-18) * the whole document *		
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<p>The supplementary search report has been based on the last set of claims valid and available at the start of the search.</p> <p>2</p> <p>Page of search: Munich Date of completion of the search: 30 June 2006 Examiner: Frank, W</p>			
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<p>TECHNICAL FIELDS SEARCHED (IPC)</p> <p>G02F G09G</p>			