



EUROPEAN SEARCH REPORT

Application Number
EP 05 00 2341

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	US 2003/094895 A1 (OKUYAMA MASAHIRO [JP] ET AL) 22 May 2003 (2003-05-22)	1,2,4-6,8	INV. H01L27/00
Y	* paragraphs [0064], [0070], [0055] - [0057]; figures 3A,3B *	3,7	
Y	JP 2003 272834 A (DENSO CORP) 26 September 2003 (2003-09-26)	1-18	
	* paragraphs [0012] - [0018], [0042] - [0052]; figure 2 *		
Y	WO 03/005773 A1 (SAMSUNG ELECTRONICS CO LTD [KR]; CHOI JOON-HOO [KR]; CHOI BEOM-RAK [KR] 16 January 2003 (2003-01-16)	1-8	
	* page 3, lines 10-16 *		
	* page 8, lines 20-27 - page 9, lines 1-8 *		
	* page 10, lines 15-26 *		
	* page 11, lines 13,14 *		
Y	US 2001/054868 A1 (OKUYAMA KENICHI [JP] ET AL) 27 December 2001 (2001-12-27)	1-8	
	* paragraph [0038]; figure 5 *		
Y	JP 2002 033188 A (STANLEY ELECTRIC CO LTD) 31 January 2002 (2002-01-31)	1-8	
	* abstract; figures 2,4 *		
Y	JP 2001 351778 A (PIONEER TOHOKU CORP) 21 December 2001 (2001-12-21)	1-8	
	* abstract; figure 3 *		
X	GB 2 331 183 A (FUJI ELECTRIC CO LTD [JP]) 12 May 1999 (1999-05-12)	9,12-14,17,18	
Y	* pages 9,11; figures 2b, 3a, 5,6 *	10,15	
X	WO 03/086022 A1 (OPTREX KK [JP]; NAKAMURA NOBUHIRO [JP]) 16 October 2003 (2003-10-16)	9,12-14,17,18	
Y	* figure 2 *	10,15	
		-/--	
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		22 July 2010	Faou, Marylène
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			

EPO FORM 1503 03 82 (P04C01)



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Application Number
EP 05 00 2341

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,P	-& US 2004/245920 A1 (NAKAMURA NOBUHIRO [JP]) 9 December 2004 (2004-12-09) * paragraphs [0105] - [0109]; figure 2 *	9,12-14, 17,18	
Y	JP 2 135694 A (SHARP KK) 24 May 1990 (1990-05-24) * abstract; figure 1 *	9-18	
			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 22 July 2010	Examiner Faou, Marylène
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 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

- Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due 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 those claims for which no payment was due.

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 present supplementary 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 (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
EP 05 00 2341

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: 1-8

OLED display device wherein a pad portion comprises a first conductive layer, a second conductive layer and an insulating pattern having a hole to expose a portion of the second conductive layer.

2. claims: 9-18

OLED display device wherein a pad portion comprises a first conductive layer, a second conductive layer exposing a portion of the first conductive layer.

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

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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.

22-07-2010

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2003094895 A1	22-05-2003	NONE	
JP 2003272834 A	26-09-2003	NONE	
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专利名称(译)	有机电致发光显示装置及其制造方法		
公开(公告)号	EP1566838A3	公开(公告)日	2010-09-01
申请号	EP2005002341	申请日	2005-02-04
申请(专利权)人(译)	LG电子株式会社.		
当前申请(专利权)人(译)	LG电子公司.		
[标]发明人	KIM KI HONG BAE HYO DAE KWON JAE CHEOL		
发明人	KIM, KI HONG BAE, HYO DAE KWON, JAE CHEOL		
IPC分类号	H01L27/00 H05B33/06 H01L27/32 H01L51/50 H01L51/52 H05B33/10		
CPC分类号	H01L27/3288 H01L51/524 H01L51/5253		
代理机构(译)	MEISSNER , BOLTE & PARTNER		
优先权	1020040011583 2004-02-20 KR 1020040074579 2004-09-17 KR		
其他公开文献	EP1566838A2		
外部链接	Espacenet		

摘要(译)

公开了一种用于防止焊盘部分的不良的有机电致发光显示装置及其制造方法。在有机电致发光显示装置中，第一导电层（136）电连接到有机电致发光阵列的第一（104）和第二（112）电极中的至少一个。第二导电层（134）设置在第一导电层上。提供虚设绝缘图案（175）以覆盖第一（136）和第二（134）导电层，并具有用于暴露第二导电层的一部分的孔。

FIG.5

