



(12) **EUROPEAN PATENT APPLICATION**

(88) Date of publication A3:
11.10.2006 Bulletin 2006/41

(51) Int Cl.:
H01L 51/20^(0000.00)

(43) Date of publication A2:
02.10.2002 Bulletin 2002/40

(21) Application number: **02252243.7**

(22) Date of filing: **27.03.2002**

(84) Designated Contracting States:
**AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE TR**
Designated Extension States:
AL LT LV MK RO SI

(72) Inventor: **Matsuoka, Hideki**
2-54, Akanabehishino,
Gifu-shi,
Gifu (JP)

(30) Priority: **30.03.2001 JP 2001101133**

(74) Representative: **Cross, Rupert Edward Blount et al**
Boulton Wade Tennant
Verulam Gardens
70 Gray's Inn Road
London WC1X 8BT (GB)

(71) Applicant: **SANYO ELECTRIC CO., LTD.**
Moriguchi-shi, Osaka (JP)

(54) **Sealing structure of organic electroluminescent display**

(57) To provide a sealing structure for an organic electroluminescent display which enables adequate bonding of a sealing member to a substrate and which does not contribute to deterioration of an organic electroluminescent element during manufacture, an organic

electroluminescent element 12 is formed on a substrate 10, and the organic electroluminescent element 12 is sealed by bonding a sealing member 14, configured of a material such as sheet glass, to the substrate 10 with an adhesive agent 16 consisting of an ultraviolet curing resin. Dry nitrogen is sealed in the sealing structure.

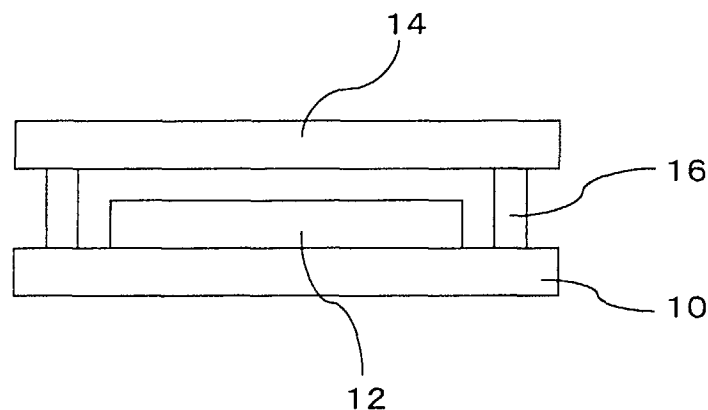


Fig. 1



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 5 959 712 A (MORII ET AL) 28 September 1999 (1999-09-28) * column 9, line 3 - line 58; figure 1 * -----	1-3	INV. H01L51/20
Y	US 6 081 071 A (ROGERS ET AL) 27 June 2000 (2000-06-27) * column 2, line 45 - column 4, line 6 * * column 5, line 23 - line 37; figure 2 * -----	1-7	
Y	JP 11 185954 A (NEC CORP) 9 July 1999 (1999-07-09) * abstract * & US 6 210 815 B1 (OOISHI MITSUMA) 3 April 2001 (2001-04-03) * column 3, line 21 - line 41 * * column 5, line 6 - line 8; figure 1 * -----	1-7	
Y	US 4 792 535 A (FINE ET AL) 20 December 1988 (1988-12-20) * column 3, line 12 - line 68; figure 1 * -----	1-7	
Y	EP 0 899 987 A (TDK CORPORATION) 3 March 1999 (1999-03-03) * paragraphs [0010], [0015] - [0018], [0024], [0041], [0043]; figure 1 * -----	4-7	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
			H01L H05B G02F
Place of search		Date of completion of the search	Examiner
The Hague		25 August 2006	Bakos, T
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 03.02 (P04C01)

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

EP 02 25 2243

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.

25-08-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5959712	A	28-09-1999	NONE	

US 6081071	A	27-06-2000	NONE	

JP 11185954	A	09-07-1999	JP 2845239 B2	13-01-1999
			TW 393819 B	11-06-2000
			US 6210815 B1	03-04-2001

US 6210815	B1	03-04-2001	JP 2845239 B2	13-01-1999
			JP 11185954 A	09-07-1999
			TW 393819 B	11-06-2000

US 4792535	A	20-12-1988	DE 3826586 A1	16-03-1989
			JP 1079035 A	24-03-1989
			JP 2528351 B2	28-08-1996

EP 0899987	A	03-03-1999	US 6268071 B1	31-07-2001

专利名称(译)	有机电致发光显示器的密封结构		
公开(公告)号	EP1246272A3	公开(公告)日	2006-10-11
申请号	EP2002252243	申请日	2002-03-27
[标]申请(专利权)人(译)	三洋电机株式会社		
申请(专利权)人(译)	SANYO ELECTRIC CO. , LTD.		
当前申请(专利权)人(译)	SANYO ELECTRIC CO. , LTD.		
[标]发明人	MATSUOKA HIDEKI		
发明人	MATSUOKA, HIDEKI		
IPC分类号	H01L51/20 H05B33/04 H01L51/50 H01L51/52		
CPC分类号	H01L51/5246 H01L51/524		
优先权	2001101133 2001-03-30 JP		
其他公开文献	EP1246272A2		
外部链接	Espacenet		

摘要(译)

为了提供有机电致发光显示器的密封结构，其能够使密封构件充分地粘合到基板上并且在制造期间不会导致有机电致发光元件的劣化，有机电致发光元件12形成在基板10上，并且通过用由紫外线固化树脂组成的粘合剂16将由诸如平板玻璃之类的材料构成的密封构件14粘合到基板10上来密封有机电致发光元件12。干燥的氮气密封在密封结构中。

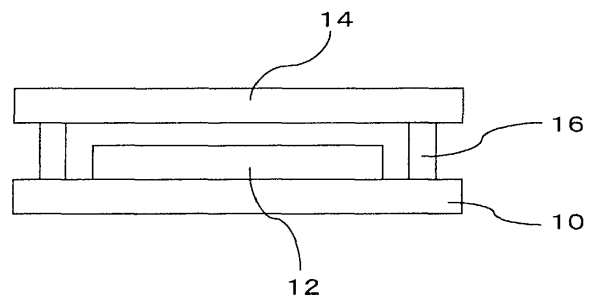


Fig. 1