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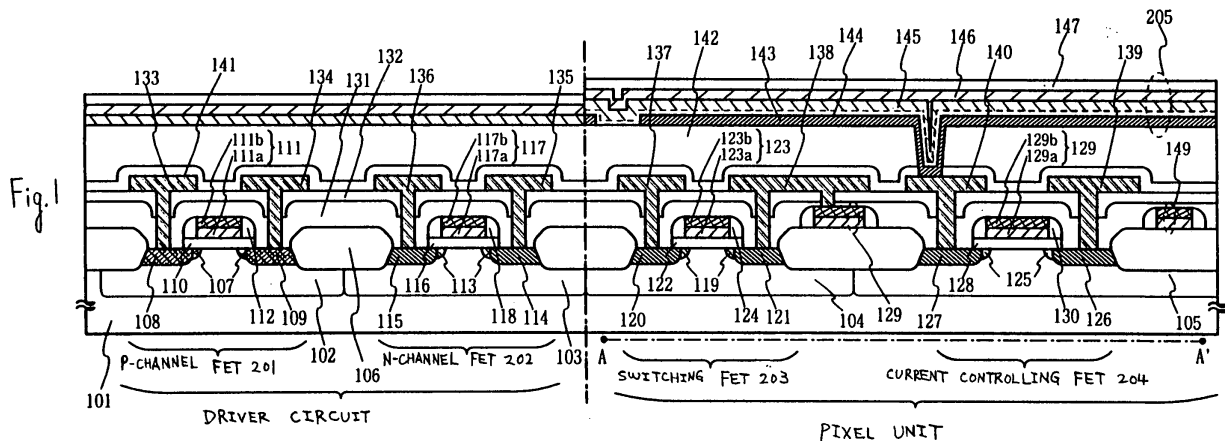
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(54) **Organic electroluminescent display device**

(57) An organic EL display device of active matrix type wherein insulated-gate field effect transistors formed on a single-crystal semiconductor substrate are overlaid with an organic EL layer; characterized in that the single-crystal semiconductor substrate (413 in Fig.

4) is held in a vacant space (414) which is defined by a bed plate (401) and a cover plate (405) formed of an insulating material, and a packing material (404) for bonding the bed and cover plates; and that the vacant space (414) is filled with an inert gas and a drying agent, whereby the organic EL layer is prevented from oxidizing.





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	US 5 929 474 A (HUANG RONG-TING [US] ET AL) 27 July 1999 (1999-07-27) * column 2 - column 6; claims * -----	1-6	INV. H05B33/04 H01L51/00 H01L27/32
A	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05, 31 May 1999 (1999-05-31) & JP 11 040347 A (FUTABA CORP), 12 February 1999 (1999-02-12) * abstract *	1-6	
A	EP 0 886 329 A (CANON KK) 23 December 1998 (1998-12-23) * page 13, lines 8-15; claims 1-81 * -----	1-6	
			TECHNICAL FIELDS SEARCHED (IPC)
			H05B H01L
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 22 June 2007	Examiner Doslík, Natasa
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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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 02 5256

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.

22-06-2007

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US 5929474	A	27-07-1999	NONE	

JP 11040347	A	12-02-1999	NONE	

EP 0886329	A	23-12-1998	US 6215244 B1	10-04-2001

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

专利名称(译)	有机电致发光显示装置		
公开(公告)号	EP1777994A3	公开(公告)日	2007-08-01
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IPC分类号	H05B33/04 H01L51/00 H01L27/32 H05B33/00 H01L51/52		
CPC分类号	H01L51/5237 H01L27/3244 H01L51/524 H01L51/5259 H01L51/5275 H01L51/5281 H01L2251/5315 H05B33/04		
优先权	1999279870 1999-09-30 JP		
其他公开文献	EP1777994B1 EP1777994A2		
外部链接	Espacenet		

摘要(译)

一种有源矩阵型有机EL显示装置，其中在单晶半导体衬底上形成的绝缘栅场效应晶体管覆盖有机EL层；其特征在于，单晶半导体衬底（图4中的413）被保持在由床板（401）和由绝缘材料形成的盖板（405）限定的空余空间（414）中，并且用于粘合床和盖板的包装材料（404）；并且空余空间（414）填充有惰性气体和干燥剂，从而防止有机EL层氧化。

