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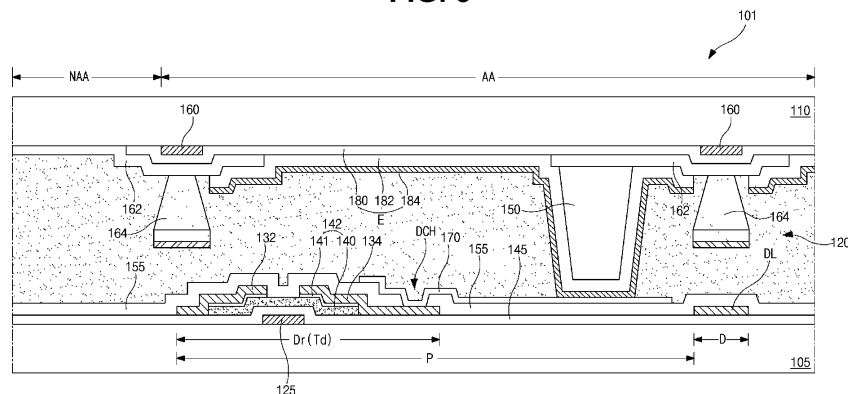
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(54) **Organic electroluminescent display device and method and apparatus of manufacturing the same**

(57) A an organic electroluminescent display device includes an array substrate (105) including a driving thin film transistor in a pixel region on a first substrate; an opposing substrate (110) including an organic electroluminescent diode in the pixel region on a second sub-

strate; an adhesive layer (120) filling a space between the array substrate and the opposing substrate; and a connection spacer (150) to electrically connect the organic electroluminescent diode with the driving thin film transistor.

FIG. 3



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EUROPEAN SEARCH REPORT

Application Number
EP 09 00 6405

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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	----- -/--		
The present search report has been drawn up for all claims			
2	Place of search Munich	Date of completion of the search 23 May 2013	Examiner Boetticher, Harald
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			

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 23 May 2013	Examiner Boetticher, Harald
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	

2
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Application Number

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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
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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: 1-4(completely); 5-10(partially)

Display has driving TFT on one substrate and organic EL diode on opposing substrate, diode and TFT connected by connecting spacer, the interspace between the substrates being filled by adhesive including conductive particles

2. claims: 11, 12

Further, a seal pattern contacts inner surfaces of the substrates

3. claim: 13

A different seal pattern, covering outer surfaces of the substrates

4. claims: 14-17

The device of claim 1 with a shield pattern on an inner surface of one of the substrates

5. claims: 18-20

The device of claim 1 further has a switching TFT on the one substrate

6. claims: 21-27

Apparatus and method for pressing an array substrate against an opposing substrate by a flexible pad

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

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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和装置		
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摘要(译)

一种有机电致发光显示装置，包括阵列基板（105），所述阵列基板（105）包括在第一基板上的像素区域中的驱动薄膜晶体管；相邻基板（110），包括在第二基板上的像素区域中的有机电致发光二极管；填充阵列基板和相对基板之间的空间的粘合层（120）；连接间隔物（150），用于将有机电致发光二极管与驱动薄膜晶体管电连接。

FIG. 3

