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(54) Display device and method of manufacturing the same

(57) A display device using an organic light emitting element is provided which is structured so as to ensure excellent display performance by avoiding dot defect and improve long-term reliability. The distance between an organic light emitting element and a sealing substrate is controlled using the top of a bank that is placed in a pixel portion and the top of an insulating film that is placed in

a driving circuit portion. As a result, a gap is provided between the organic light emitting element and the sealing substrate and a damage to the organic light emitting element can be avoided. Furthermore, the sealing substrate can be as close to an element substrate as possible, thereby keeping the amount of moisture that enters the display device from its sides small.

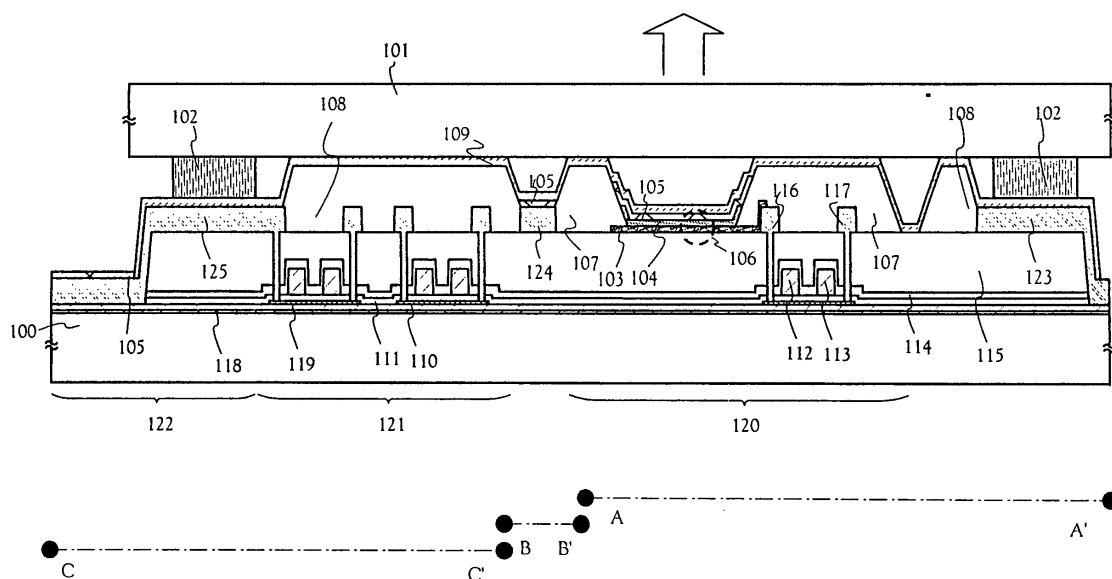


FIG. 1

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EUROPEAN SEARCH REPORT

Application Number
EP 02 00 8325

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 March 2006	Examiner Faou, M
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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EUROPEAN SEARCH REPORT

Application Number
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 29 March 2006	Examiner Faou, M
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
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专利名称(译)	显示装置及其制造方法		
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IPC分类号	H01L27/15 H05B33/04 G09F9/30 H01L21/77 H01L21/84 H01L27/12 H01L27/32 H01L51/50 H01L51/52 H05B33/10 H05B33/12 H05B33/22 H05B33/24 H05B33/26		
CPC分类号	H01L27/3246 H01L27/12 H01L27/1214 H01L27/322 H01L27/3276 H01L51/524 H01L51/5246 H01L51/525 H01L51/5253 H01L51/56 H01L2251/5315		
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摘要(译)

提供一种使用有机发光元件的显示装置，其构造为通过避免点缺陷并提高长期可靠性来确保优异的显示性能。使用放置在像素部分中的堤的顶部和放置在驱动电路部分中的绝缘膜的顶部来控制有机发光元件和密封基板之间的距离。结果，在有机发光元件和密封基板之间提供间隙，并且可以避免对有机发光元件的损坏。此外，密封基板可以尽可能靠近元件基板，从而保持从侧面进入显示装置的水分量较小。

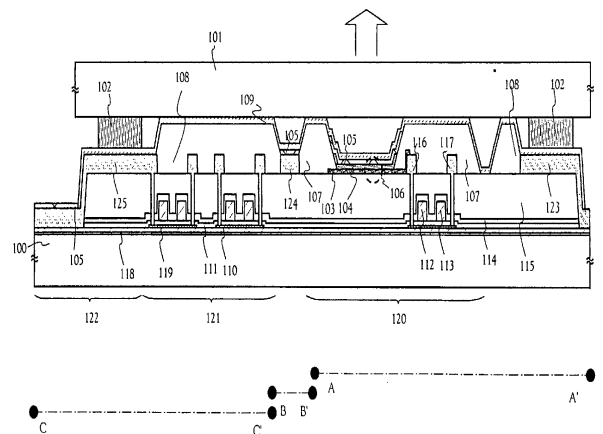


FIG. 1