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(54) **Electroluminescence display and manufacturing method of same, mask and manufacturing method of same**

(57) In an EL display having an EL element in which an emissive element layer is formed between an anode and a cathode, projections (pillars) (20) are formed on a base structure (10) in a region outside the emissive re-

gion, so that a hole transport layer, an emissive layer, and an electron transport layer can be formed through evaporation while the distance from the mask is maintained. Alternatively, the pillars (20) can be formed on the mask.

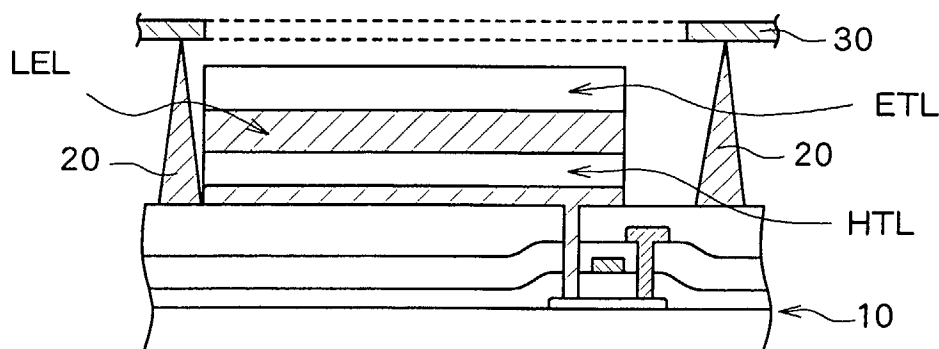


Fig. 3D



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EUROPEAN SEARCH REPORT

Application Number
EP 02 25 2245

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Y	----- -/--	5	
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 7 September 2006	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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EUROPEAN SEARCH REPORT

Application Number
EP 02 25 2245

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 The Hague		Date of completion of the search 7 September 2006	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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**ANNEX TO THE EUROPEAN SEARCH REPORT
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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)	电致发光显示器及其制造方法，掩模及其制造方法		
公开(公告)号	EP1246273A3	公开(公告)日	2006-10-18
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发明人	YAMADA, TSUTOMU NISHIKAWA, RYUJI		
IPC分类号	H01L51/20 H01L51/40 H05B33/10 C23C14/04 G09F9/00 G09F9/30 H01L27/32 H01L51/50 H01L51/56 H05B33/12		
CPC分类号	H01L51/56 C23C14/042 H01L51/001		
优先权	2001090165 2001-03-27 JP		
其他公开文献	EP1246273A2		
外部链接	Espacenet		

摘要(译)

在具有EL元件的EL显示器中，其中在阳极和阴极之间形成发光元件层，在发光区域外部的区域中的基础结构（10）上形成凸起（柱）（20），从而空穴传输层，发光层和电子传输层可以通过蒸发形成，同时保持与掩模的距离。或者，可以在掩模上形成柱（20）。

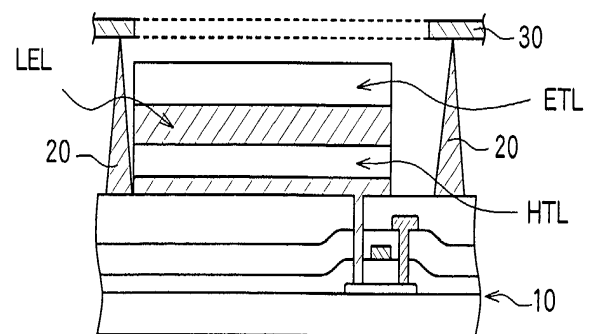


Fig. 3D