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(54) **Electroluminescent display device and method of manufacturing the same**

(57) An electroluminescence (EL) display device with improved external light coupling efficiency and brightness that can be easily manufactured and a method of manufacturing the EL display device are disclosed. In one embodiment, the EL display device comprises a substrate, a first electrode formed above the substrate, a second electrode formed above the first electrode and

facing the first electrode, a first intermediate layer including a luminescence layer and disposed between the first and second electrodes, a color converting layer disposed on top of the second electrode and a diffraction grating disposed between the second electrode and the color converting layer.

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The present search report has been drawn up for all claims				
Place of search Munich		Date of completion of the search 11 September 2007	Examiner Pusch, Catharina	
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The present search report has been drawn up for all claims			
Place of search <b>Munich</b>		Date of completion of the search <b>11 September 2007</b>	Examiner <b>Pusch, Catharina</b>
<b>CATEGORY OF CITED DOCUMENTS</b> 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)	电致发光显示装置及其制造方法		
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代理机构(译)	hengelhaupt , Jürgen		
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其他公开文献	EP1670293A8 EP1670293A2		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

本发明公开了一种电致发光 ( EL ) 显示装置，其具有可以容易地制造的改善的外部光耦合效率和亮度，以及制造EL显示装置的方法。在一个实施例中，EL显示装置包括基板，形成在基板上方的第一电极，形成在第一电极上方并面向第一电极的第二电极，包括发光层并设置在第一和第二电极之间的第一中间层，设置在第二电极顶部的颜色转换层和设置在第二电极和颜色转换层之间的衍射光栅。

