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(54) **Light emitting device and display unit using it**

(57) The invention provides a light emitting device which can prevent irregular color by reducing film thickness distribution and a display unit using it. A first electrode (13), an organic layer (14) including a light emitting layer (14B), a second electrode (15) including a semi-transparent electrode are sequentially layered on a driving substrate (10). The light emitting layer has a red light emitting layer (14BR), a green light emitting layer (14BG),

and a blue light emitting layer (14BB). The light emitting layer is formed by transferring a raw solution by every color, and then removing the solvent. An optical distance (L) between a first end of the first electrode and a second end of the second electrode satisfies $(2L)/\lambda + \Phi/(2\pi) = m$. λ represents a peak wavelength of a spectrum of a light desired to be extracted, Φ represents a phase shift of reflected lights generated in the first end and the second end, and m represents an integer.

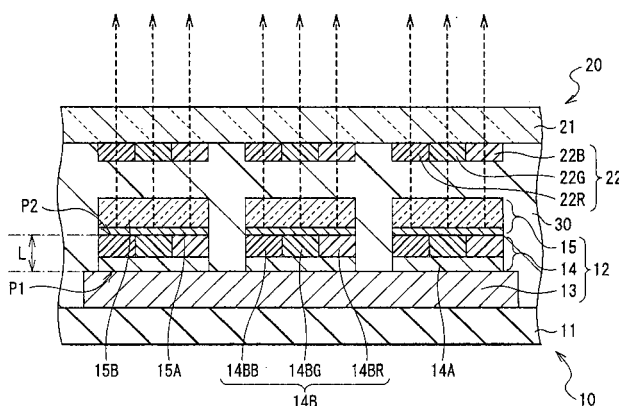


FIG. 2



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EUROPEAN SEARCH REPORT

Application Number
EP 03 02 6886

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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 22 May 2007	Examiner De Laere, Ann
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The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (IPC)
Place of search		Date of completion of the search	Examiner
The Hague		22 May 2007	De Laere, Ann
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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EP 03 02 6886

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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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CPC分类号	H01L51/56 H01L27/3211 H01L27/322 H01L51/0004 H01L51/0013 H01L51/0038 H01L51/0039 H01L51/0043 H01L51/5265 H01L2251/558 Y10S385/901		
优先权	2002342831 2002-11-26 JP		
其他公开文献	EP1424732A2		
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摘要(译)

本发明提供一种能够通过减小膜厚分布来防止不规则颜色的发光器件和使用它的显示单元。第一电极，包括发光层的有机层，包括半透明电极的第二电极依次层叠在驱动基板上。发光层具有红色发光层，绿色发光层和蓝色发光层。通过每种颜色转移原始溶液，然后除去溶剂，形成发光层。第一电极的第一端和第二电极的第二端之间的光学距离满足 $(2L)/\lambda + \Phi/(2\pi) = m$ 。 λ 表示希望提取的光的光谱的峰值波长， Φ 表示在第一端和第二端产生的反射光的相移， m 表示整数。

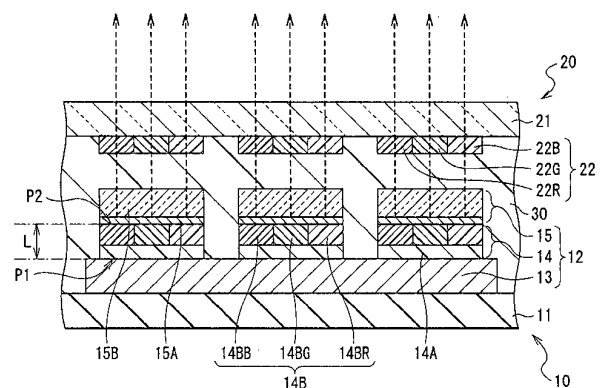


FIG. 2