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(54) **Oled display and method for adjusting a spectrum of blue light of the same**

(57) A method for adjusting a spectrum of blue light emitted from an OLED display. The method includes the steps of providing a substrate (10), an anode (12), an OLED layer (13) and a cathode (11) on the substrate so that a resonant cavity is formed between the anode and the cathode, the resonant cavity has a cavity length; and adjusting the cavity length of the resonant cavity such that a portion of the spectrum components with wavelengths smaller than 435 nanometers has a energy under 50% of the spectrum.

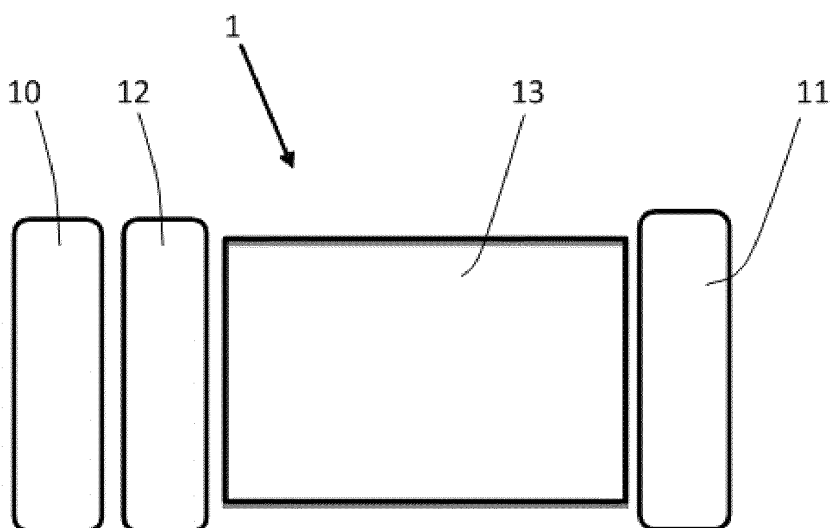


Fig. 1

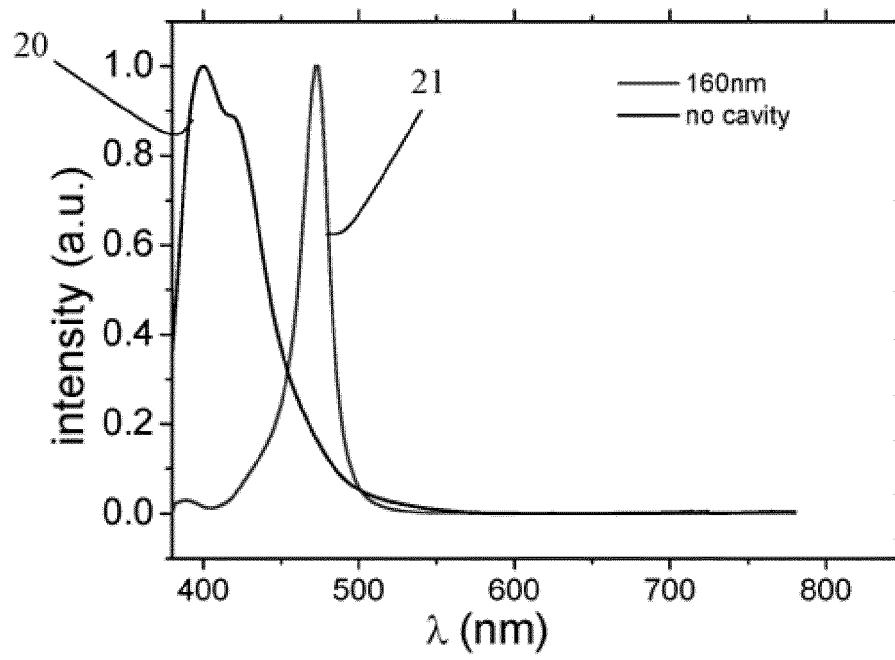


Fig. 2



EUROPEAN SEARCH REPORT

Application Number
EP 14 19 3547

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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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X A	US 2013/105843 A1 (LEE SE-HEE [KR] ET AL) 2 May 2013 (2013-05-02) * figures 5,6,11 * * paragraphs [0069], [0081], [0083], [0085], [0086], [0089] - [0092], [0148], [0149] * -----	6,15 1-5,7-14	
			TECHNICAL FIELDS SEARCHED (IPC)
			H01L
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 28 April 2015	Examiner 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
ON EUROPEAN PATENT APPLICATION NO.**

EP 14 19 3547

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
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

28-04-2015

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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)	Oled显示器和用于调节蓝光光谱的方法		
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其他公开文献	EP2874194A2		
外部链接	Espacenet		

摘要(译)

一种用于调整从OLED显示器发射的蓝光光谱的方法。该方法包括在基板上提供基板 (10) , 阳极 (12) , OLED层 (13) 和阴极 (11) 的步骤, 以便在阳极和阴极之间形成谐振腔, 谐振腔具有腔长;并且调节谐振腔的腔长度, 使得波长小于435纳米的光谱分量的一部分具有低于光谱的50%的能量。

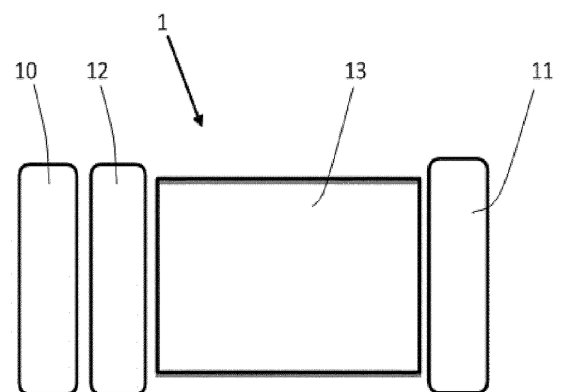


Fig. 1