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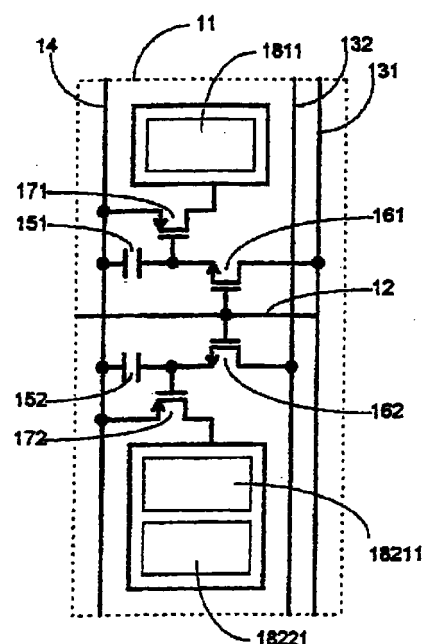
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(54) **Organic electroluminescent display device**

(57) The invention provides a method and apparatus to obtain accurate gradation by obtaining an accurate ratio of light emitting parts in a display device which implements gradation by forming a plurality of TFTs and a plurality of OELDs in each pixel, interconnecting the TFTs and OELDs, and switching an on and off state of the TFTs, and controlling a light emitting area of the OELDs. A plurality of OELDs have the same shape, and gradation can be implemented by controlling the number of OELDs that emit light at a given time. Preferably a plurality of OELDs have a round shape. Also preferably plurality of OELDs are ranged at the same interval in a vertical and/or horizontal direction. According to this structure, because the light emitting areas of the plurality of OELDs become equal to each other, by controlling the number of OELDs, a ratio of the light emitting areas can be accurately obtained.

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EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
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			G09G
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 22 September 2000	Examiner Farricella, L
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.**

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The members are as contained in the European Patent Office EDP file on
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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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摘要(译)

本发明提供了一种方法和装置，通过在显示装置中获得精确的发光部分比率来获得精确的灰度，该显示装置通过在每个像素中形成多个TFT和多个OELD来实现灰度，互连TFT和OELD，以及切换TFT的导通和截止状态，以及控制OELD的发光区域。多个OELD具有相同的形状，并且可以通过控制在给定时间发光的OELD的数量来实现灰度。优选地，多个OELD具有圆形形状。同样优选地，多个OELD在垂直和/或水平方向上以相同的间隔排列。根据该结构，因为多个OELD的发光区域彼此相等，所以通过控制OELD的数量，可以精确地获得发光区域的比率。

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