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(54) Electroluminescence display apparatus

(57) A color display device having an organic EL element for each display pixel. The element emissive area in the display pixel of any color among the R, G, and B display pixels has a size that is different from the element emissive area of the display pixel of another color. Furthermore, the element emissive areas in the display pixels for R, G, and B are designed to take into consideration not only the emission efficiency of the emissive

elements of the display pixels but also the luminance ratio of red to green to blue in accordance with the chromaticity of the target display white of the display device and with the chromaticity of each red, green, and blue color emitted by the emissive elements of the respective display pixels. This prevents the organic EL elements of colors for which the emission efficiency is low from selectively deteriorating, and facilitates the control of white balance in the color display.

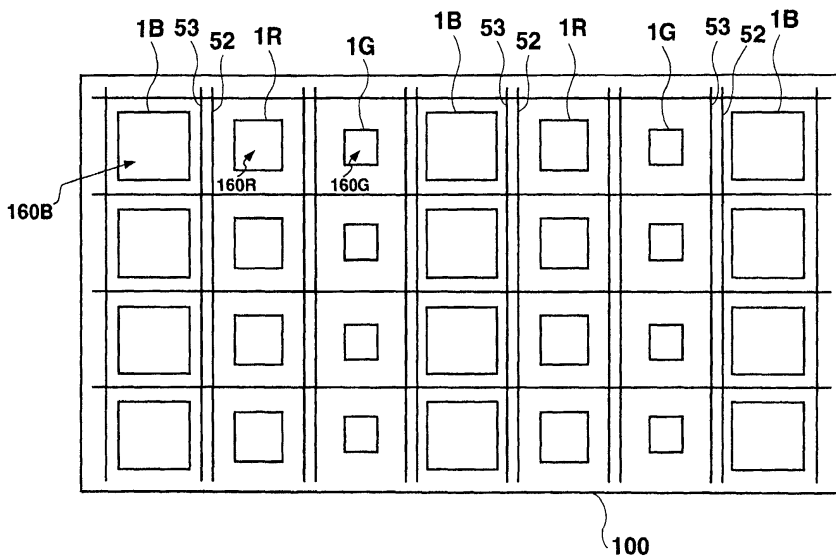


Fig. 4



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 00 30 1507

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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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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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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 28 January 2005	Examiner De Laere, A
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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EPO FORM 1503 03/92 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 00 30 1507

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
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专利名称(译)	电致发光显示装置		
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[标]申请(专利权)人(译)	三洋电机株式会社		
申请(专利权)人(译)	SANYO ELECTRIC CO. , LTD.		
当前申请(专利权)人(译)	SANYO ELECTRIC CO. , LTD.		
[标]发明人	YAMADA TSUTOMU		
发明人	YAMADA, TSUTOMU		
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其他公开文献	EP1032045B1 EP1032045A2		
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摘要(译)

一种彩色显示装置，具有用于每个显示像素的有机EL元件。R，G和B显示像素中的任何颜色的显示像素中的元件发光区域具有与另一颜色的显示像素的元件发光区域不同的尺寸。此外，R，G和B的显示像素中的元件发光区域被设计成不仅考虑显示像素的发光元件的发光效率，而且还考虑红色到绿色到蓝色的亮度比。显示装置的目标显示白色的色度以及各个显示像素的发光元件发出的每种红色，绿色和蓝色的色度。这防止了发光效率低的颜色的有机EL元件选择性地劣化，并且有助于控制彩色显示器中的白平衡。

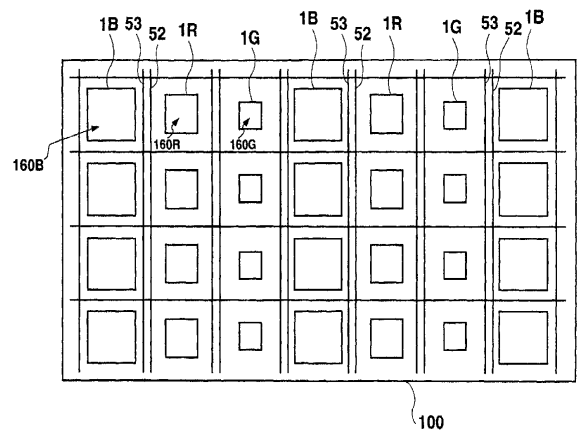


Fig. 4