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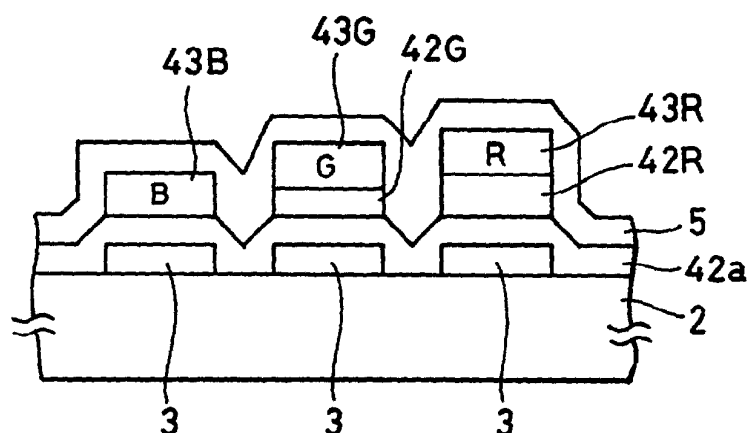
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(54) **Organic electroluminescence multicolor display and method of fabricating the same**

(57) Disclosed is an organic electroluminescence multi-color display comprising a transparent electrode, a plurality of organic compound material layers including at least light emitting layers, a metal electrode, which are stacked on a transparent substrate in sequence, respectively, and a plurality of organic electrolumines-

cence elements comprising the light emitting layers made of different organic compound materials and taking on different colors of light emission. Each of functional layers, having the same function, of the organic compound material layers excluding the light emitting layers are different in thickness corresponding to a color of emitted light.

FIG. 2





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 00 11 0114

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	BURROWS P E ET AL: "CONTROL OF MICROCAVITY EFFECTS IN FULL COLOR STACKED ORGANIC LIGHT EMITTING DEVICES" APPLIED PHYSICS LETTERS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 73, no. 4, 27 July 1998 (1998-07-27), pages 435-437, XP000774905 ISSN: 0003-6951 * page 435 * * page 436; table 1 *	1	H01L51/20 H01L27/15 H01L27/00
D,Y	US 5 891 554 A (MATSUURA MASAhide ET AL) 6 April 1999 (1999-04-06) * column 5, lines 34-67 * * column 6, lines 1,2 *	1-3	
A		4-22	
Y	US 5 742 129 A (MIYAGUCHI SATOSHI ET AL) 21 April 1998 (1998-04-21) * figure 11 * * column 4, lines 7-42 *	1-3	
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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 12 July 2004	Examiner Faou, M
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			

EPO FORM 1503 03/92 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 00 11 0114

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.

12-07-2004

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专利名称(译)	有机电致发光多色显示器及其制造方法		
公开(公告)号	EP1052708A3	公开(公告)日	2004-09-08
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当前申请(专利权)人(译)	先锋公司		
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优先权	1999131501 1999-05-12 JP		
其他公开文献	EP1052708B1 EP1052708A2		
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摘要(译)

本发明公开了一种有机电致发光多色显示器，包括透明电极，至少包括发光层的多个有机化合物材料层，金属电极，依次堆叠在透明基板上，以及多个有机电致发光元件包括由不同有机化合物材料制成的发光层并具有不同颜色的发光。具有相同功能的除发光层之外的有机化合物材料层的每个功能层的厚度对应于发射光的颜色。

FIG.2

