(19) Europäisches Patentamt
European Patent Office
Office européen des brevets

(11) EP 1 460 697 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
10.05.2006 Bulletin 2006/19

(43) Date of publication A2:
22.09.2004 Bulletin 2004/39

(21) Application number: **04251435.6**

(22) Date of filing: **12.03.2004**

(51) Int Cl.:
H01L 51/20 *(0000.00)*

(84) Designated Contracting States:
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR
Designated Extension States:
AL LT LV MK

(30) Priority: **17.03.2003 JP 2003071423**

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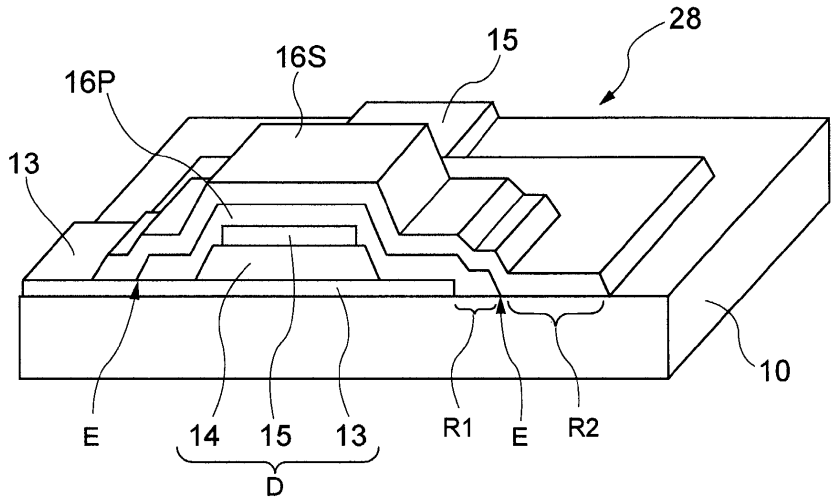
(54) Organic electroluminescene display panel and fabrication method thereof

(57) An organic electroluminescence display panel has an enhanced shielding capability whereby degradation of light emission characteristics does not readily occur. This display panel includes one or more organic electroluminescence elements (28), and each organic electroluminescence element includes first (13) and second display electrodes (15) and one or more organic functional layers (14). The organic functional layer(s) (14) is interposed between the first (13) and second display electrodes (15). The organic functional layer includes an organic compound. The display panel also includes a substrate (10) for supporting the organic electroluminescence element(s). The display panel further includes a high molecular compound film consisting of polyurea or polyimide (16P) that covers the organic electroluminescence element and the peripheral substrate surface. The display panel also includes an inorganic barrier film (16S) that covers the high molecular compound film (16P), the edge face thereof (E), and the peripheral substrate surface (R2).

FIG. 1



EP 1 460 697 A3

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EUROPEAN SEARCH REPORT

Application Number
EP 04 25 1435

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The present search report has been drawn up for all claims

Place of search	Date of completion of the search	Examiner
The Hague	16 March 2006	Faou, M

CATEGORY OF CITED DOCUMENTS

X : particularly relevant if taken alone
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A : technological background
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EPO FORM 1503 03.82 (P04C01)

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EUROPEAN SEARCH REPORT

Application Number
EP 04 25 1435

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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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The Hague	16 March 2006	Faou, M

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Application Number
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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)	有机电致发光显示板及其制造方法		
公开(公告)号	EP1460697A3	公开(公告)日	2006-05-10
申请号	EP2004251435	申请日	2004-03-12
[标]申请(专利权)人(译)	日本先锋公司		
申请(专利权)人(译)	先锋公司		
当前申请(专利权)人(译)	先锋公司		
[标]发明人	KUBOTA HIROFUMI		
发明人	KUBOTA, HIROFUMI		
IPC分类号	H01L51/20 H05B33/04 C23C14/06 H01L27/32 H01L51/50 H01L51/52 H05B33/00 H05B33/06 H05B33/10 H05B33/14		
CPC分类号	H01L51/5256 H01L27/3281		
优先权	2003071423 2003-03-17 JP		
其他公开文献	EP1460697A2		
外部链接	Espacenet		

摘要(译)

有机电致发光显示板具有增强的屏蔽能力，从而不容易发生发光特性的劣化。该显示面板包括一个或多个有机电致发光元件（28），并且每个有机电致发光元件包括第一（13）和第二显示电极（15）以及一个或多个有机功能层（14）。有机功能层（14）介于第一（13）和第二显示电极（15）之间。有机功能层包括有机化合物。显示面板还包括用于支撑有机电致发光元件的基板（10）。显示面板还包括由聚脲或聚酰亚胺（16P）组成的高分子化合物膜，其覆盖有机电致发光元件和外围基板表面。显示面板还包括覆盖高分子化合物膜（16P），其边缘面（E）和外围基板表面（R2）的无机阻挡膜（16S）。

FIG. 1