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(JP)

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(71)

가 가

1 4 1

(72)

350 - 2288

1

가 가

(74)

350-2288 가 1-4-1 가 가

(54)

1 (, , (base material)가) , (, EL
) , (, EL
(, EL
) . 1 EL 가

, (, , , ,) EL EL EL , EL

OLOR CHANGING METHOD)

() , () , EL

가 EL 가

EL EL

$$1 \quad , \quad 2 \quad , \quad , \quad 1 \quad , \quad 1$$

2

0.13~2.88

가

1

2

1

가

2

1 ,	EL
2~8 ,	EL
9 ,	EL
10~14 ,	EL
15 ,	EL

1 (12) , (9) EL , (10) . EL , 1 (12)
 , 1 (13)((15)(), 2 (14),
 2 , (16) EL , 가 . EL , , (16a) (N₂) 가 .
 . (16) , , (10) 가 . (16)

, , , / 0.13~2.88
 , , , EL

13) , EL , (10) (ITO) (1) (13) , TPD() , Li₂O(, Al)
) , Alq3(, (14) , , (15) (13) .
 (2 , (15) (13) .
 EL , EL , EL ,

EL , 가
EL ,

(9a)

EL

(26)

13

13

, 가

(26)

가

), a)

가

(19)

(20)

,

CCM,

(19),

가

(14)

(12)

(12)

가

가

가

, 가

50%

15, 14

EL

(26)

가

EL

(20)

EL

EL

(15)(2

(13)(

1

)

,

가

EL

1

EL

(13)

(20)

(26)

EL

1

EL

(20)

(14),

2

(15)

1

(13),

(7)

(7)

R, G

B

,

EL

EL

(7)

(26)

, CVD(Chemical Vapor Deposition),

가

, EL EL

(57)

1.

$$, \quad \begin{matrix} 1 \\ 1 \end{matrix} \quad ,$$

1 , 2

2.

1

3.

1 2

2

4.

3

1

5.

4

1

6.

5

, / 0.13~2.88

7.

8.

1 7

,

9.

8

10.

9

1

11.

1 7 ,

,

12.

11 ,

가

13.

11 12 ,

,

14.

11 12 ,

,

,

15.

, 1 , , 1 , , 1 , , 2

가

16.

15 ,

,

,

17.

16 ,

,

가

18.

15 ,

,

,

19.

18 ,

,

,

20.

15 19 ,

,

21.

20

2

22.

20

21

23.

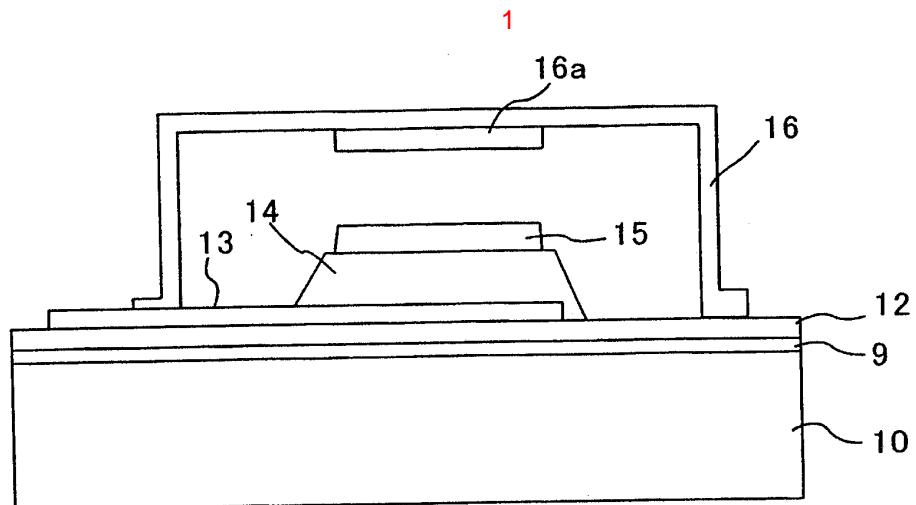
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22

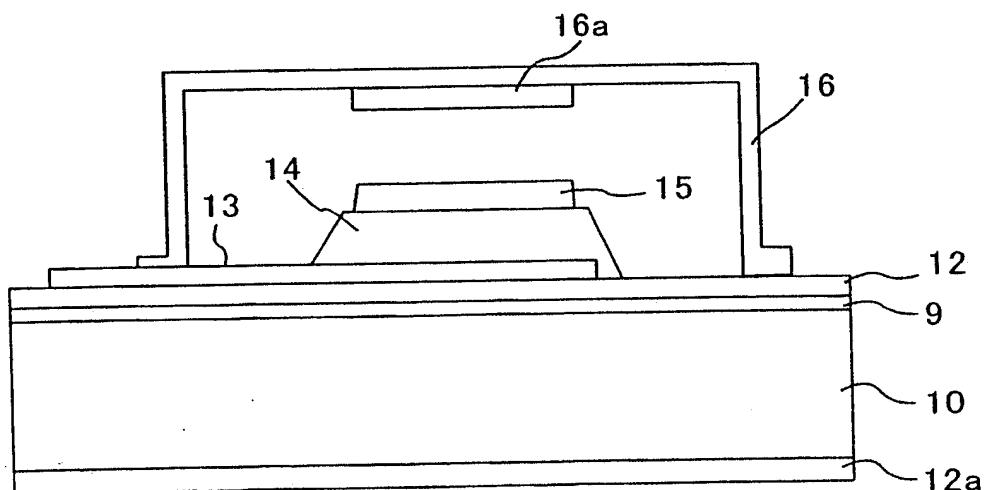
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15

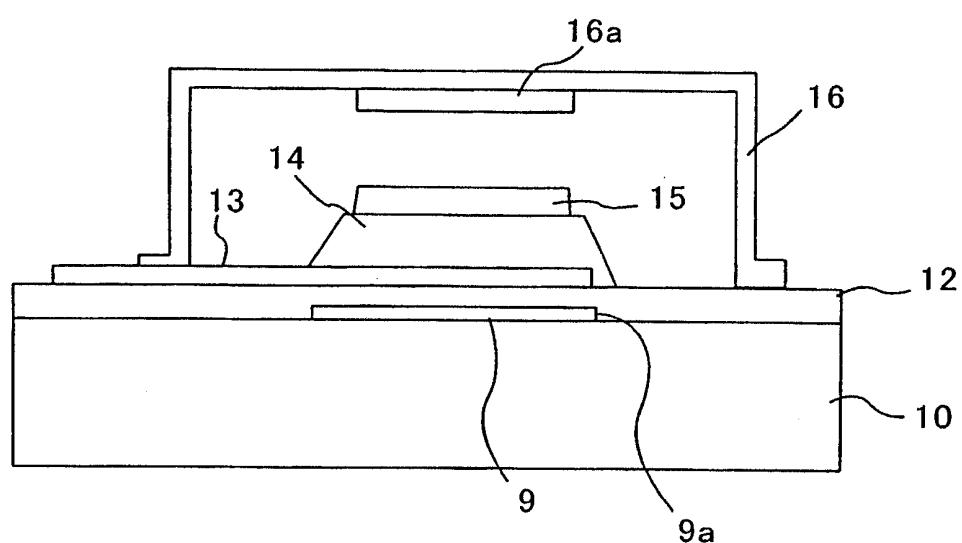
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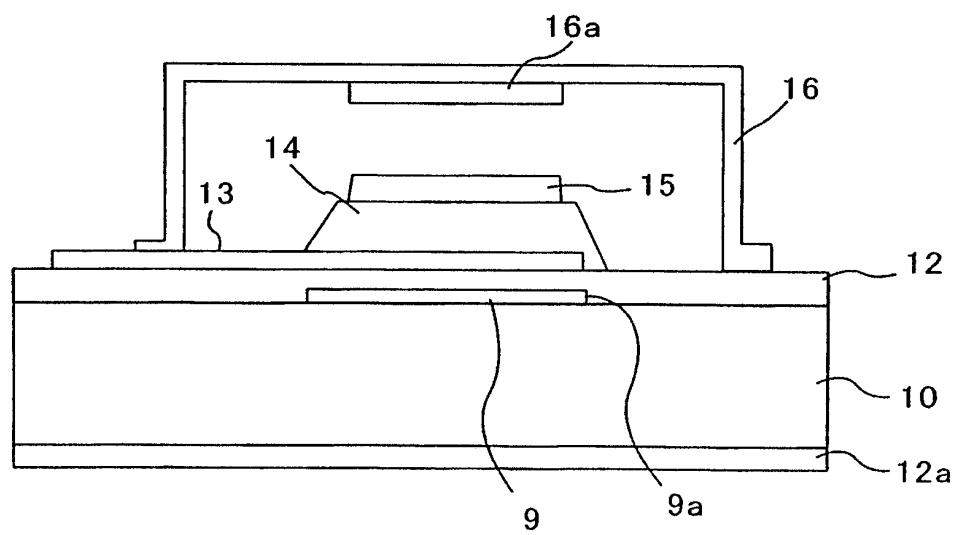
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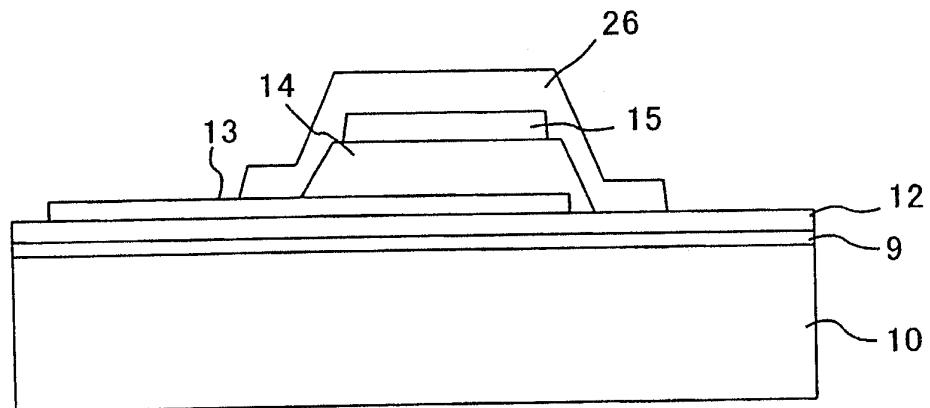
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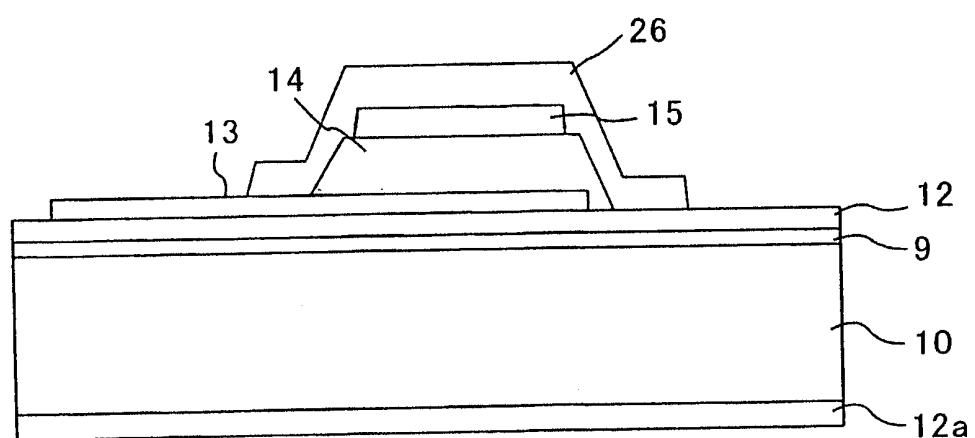
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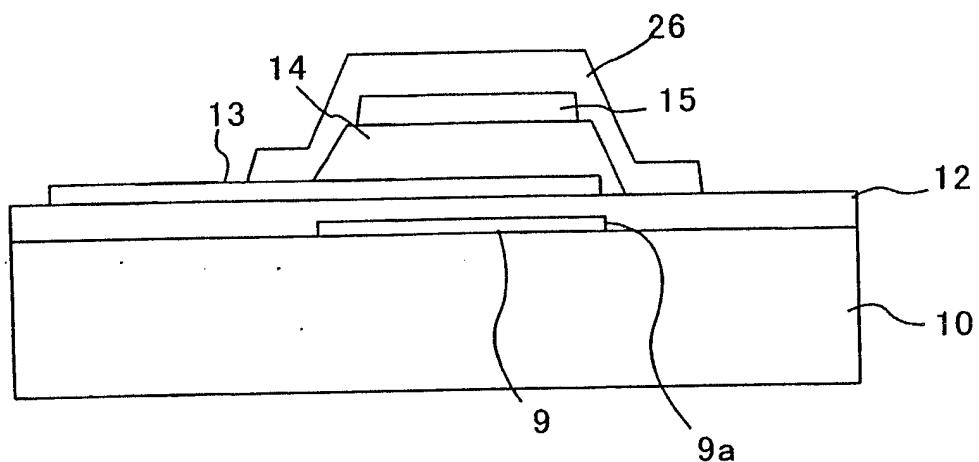
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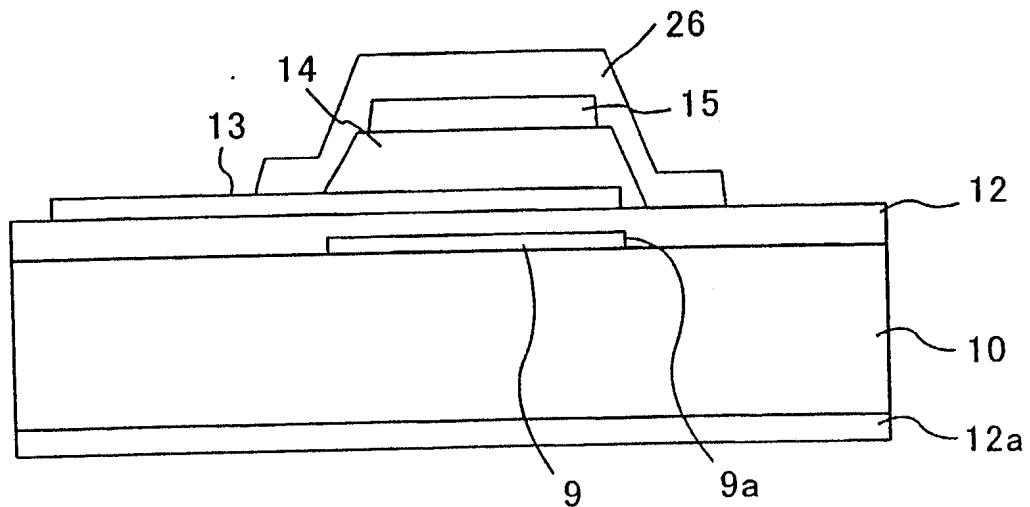
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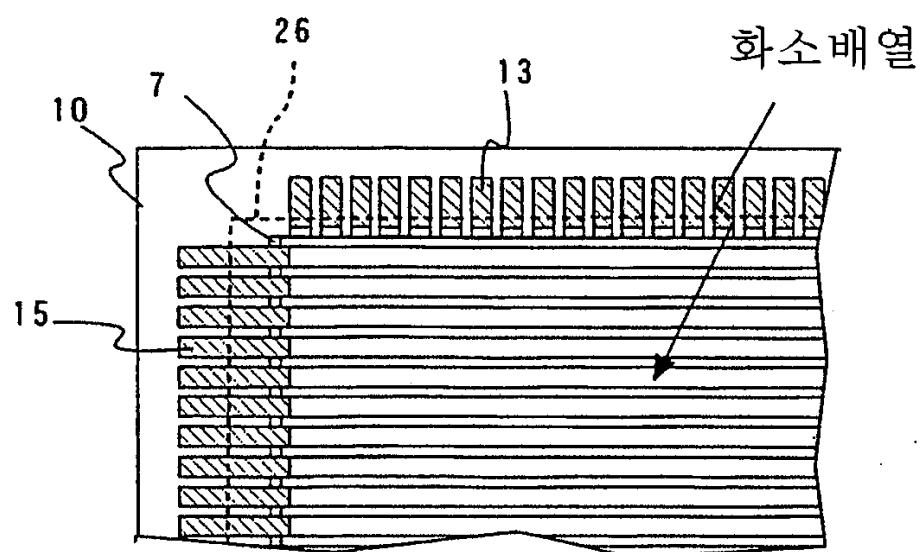
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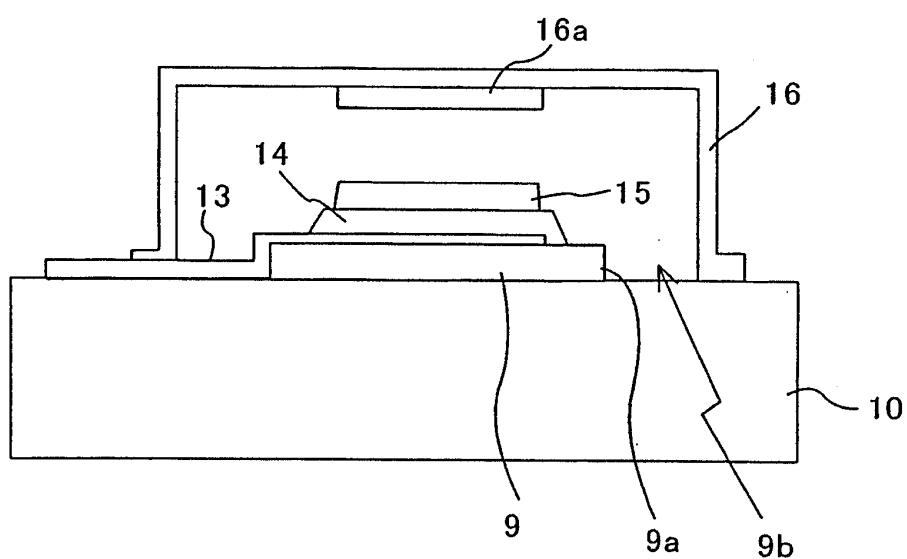
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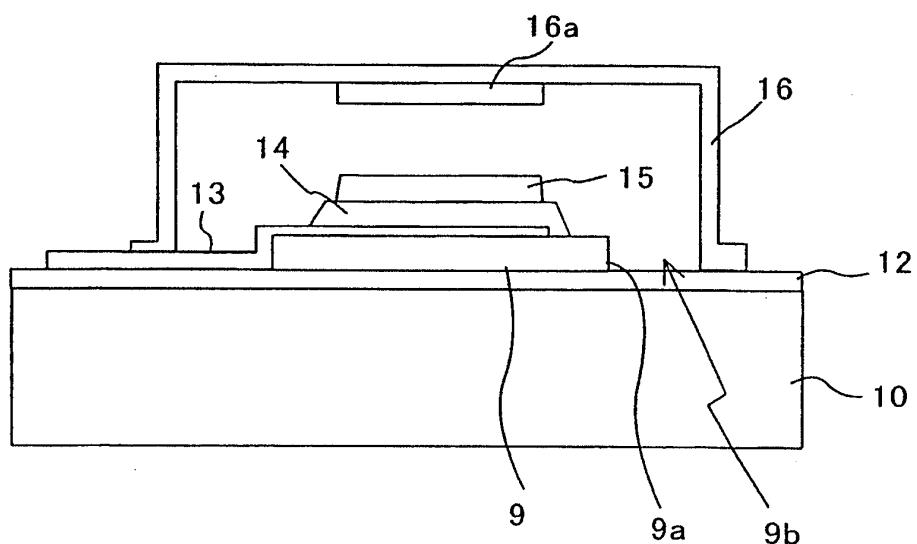
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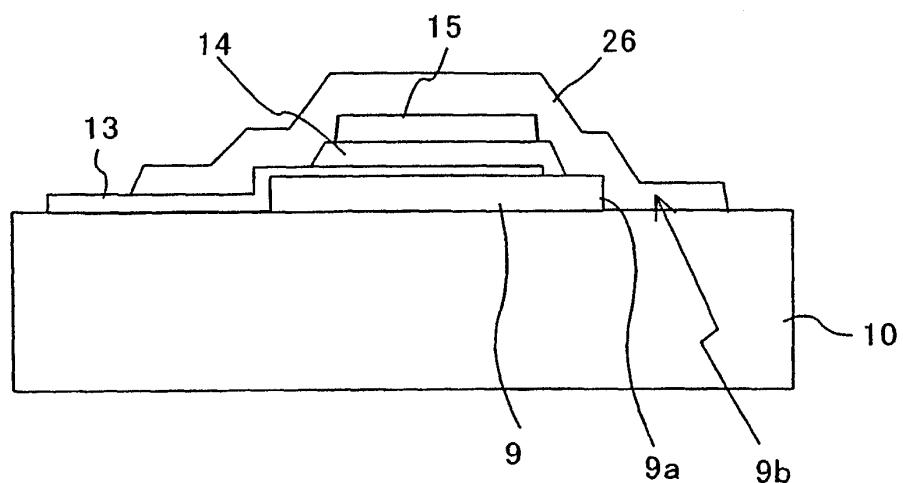
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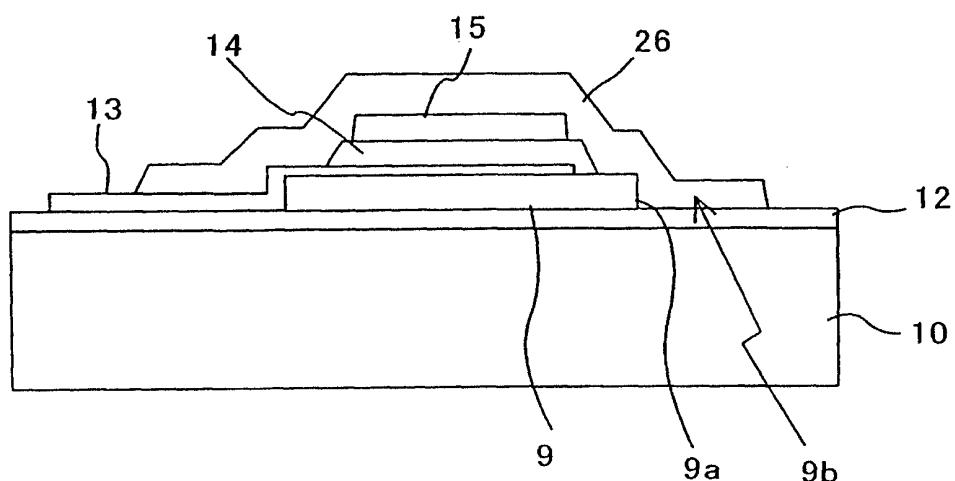
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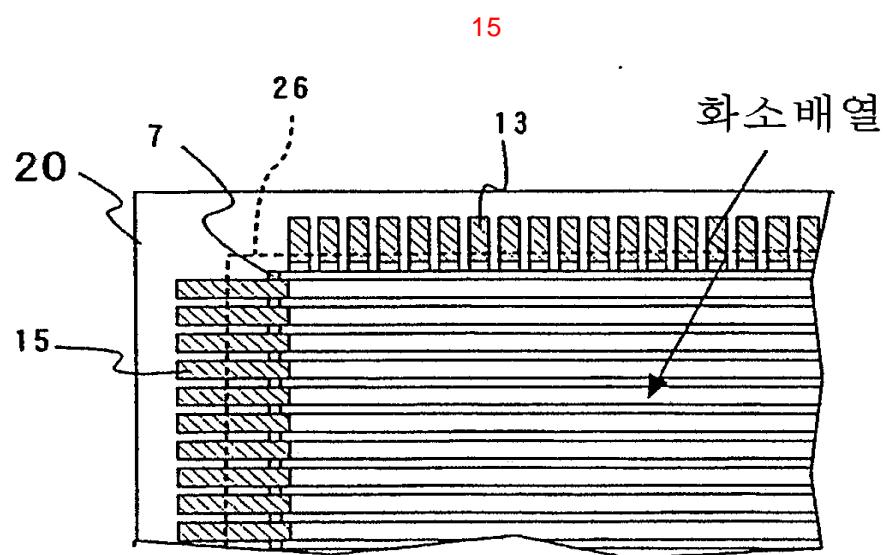
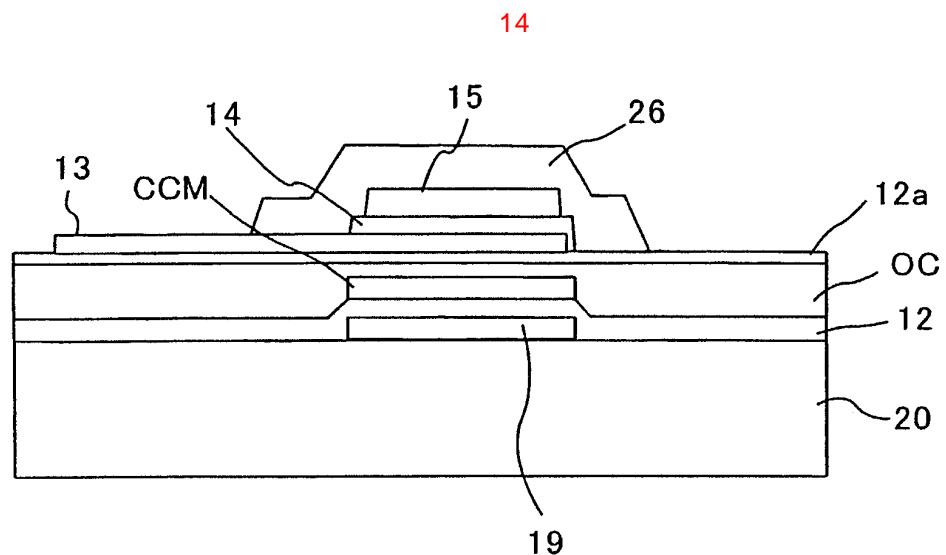


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13





专利名称(译)	有机电致发光显示板		
公开(公告)号	KR1020040102054A	公开(公告)日	2004-12-03
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[标]申请(专利权)人(译)	日本先锋公司		
申请(专利权)人(译)	先锋株式会社		
当前申请(专利权)人(译)	先锋株式会社		
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IPC分类号	H05B33/04 H05B33/12 H05B33/14 H01L51/50 H05B33/10 H01L51/52 H01L27/32		
CPC分类号	H01L27/322 H01L51/5036 H01L27/3281 H01L51/5237 H01L51/5259 H01L51/524 H01L51/5253		
代理人(译)	LEE , 金泰熙		
优先权	2002094880 2002-03-29 JP 2002094881 2002-03-29 JP		
外部链接	Espacenet		

摘要(译)

有机电致发光显示板包括其中每个依次层叠的第一标志电极，包括由有机化合物组成的发光层的多于1的有机功能层，以及由第二标志电极组成的多于1的有机电致发光元件。标志电极。显示面板包括轴承基板，该轴承基板在伴随有机电致发光元件的一侧的表面上包含树脂材料并且面向有机电致发光元件中。显示面板具有在至少有机电致发光元件和轴承基板之间涂覆轴承基板表面的无机阻挡膜。显示面板包括含树脂材料的薄膜和焊接含树脂材料薄膜的横截面的封装区域。

