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(21) 10-2002-0052338
(22) 2002 08 31

(71) . 20

(72) 305 701

(74)

(54)

4

1

2

3

4

5

7 SiNx H2

8a 8f

* * * * *

200: 220:

223A: 223B:

228: 230:

240: 250:

260: 270:

272 · 275 ·

280, 284, 286, 290; 282, 288;

300:

가 CRT() 가 LCD , EL(Electro-Luminescence) EL EL EL .

EL . , EL , EL (hole) , 가 , 가

ITO(indium-tin-oxide)
가

1 2 2

4

(200)
(300)

(201)

(220) (240)

(221) 1 (225)

2 3 (227,229) .

$$^6, \quad (320) \quad \quad \quad (310) \quad \quad \quad (320) \quad \quad \quad , \quad (310)$$

0가

, (284/286) 가 1 2 (2)
82/288) 가 .

(282/288) SiNx, SiOx, SiOxNx, Al2O3, TiO2

, SiNx, SiNx
가 .

7 SiNx 가

, SiNx 가
 (282/288) 가 ,
 , (4), (300) (290),
 1 2 (282/288) (284/286),
 , 8a 8f
 , 8a , (200) (201)
 , (201) (200) (201)
 , (201) (220) (220) (221)
 , 8b , (220) (223)
 , , (230) (220) (223)
 , , (223B) (223A) (220) 가
 , 8c , (223B) (223A), (223B)
 1 (221) (225) 1 (225) (223A),
 (240) (225) (240) (221), 1 (221), 1 (225),
 , (223B), (240) 1 (225) 2 (227)
 (227) (223A), (223B), (240) (240) 1 (225) 2 (227)
 0 , (223A) (223B) (240) (250) (260) (223B) (24)
 , 8d , 8c BCB, SiNx, SiOx
 (228) , (223A) (228) (250) (250) (228) 3 (229)
 , 8e , , (228) (250) (228) 3 (229)
 (270) , (270) , (272) (270) (272) (272) (LiF) (LiO)
 2) (270) () , (270) (272) (272) (272)
 0 , 8f , , (275) BCB 1 (282) (28)
 , SiNx, SiOx, SiOxNx, Al₂O₃, TiO₂ (282)
 , 1 (282) (284,286) 2 (288) 2 (288) 1 (282,288) 1 (282)
 2) 1 (282) 2 1 (288) 2 1 (282,288) 1 1 (282)

, 2 (288) (290), (280,284,286,290) (282,288)
 (300)

,

,

가 .

,

,

(hermetic)

가 .

가 .

가 .

(57)

1.

가 ;

, , , / ;

1 ;

1

2 ;

1

2

, 1 2

2

, 1

가 1 2

1 2

2.

1

,

3.

2 , SiNx, SiOx, SiOxNy, Al₂O₃, TiO₂

4.

1 , 1 2 (compressive) (tensile) 가

5.

1 ,

2 가

6.

5 , 2

BCB(Benzocyclobutene)

(Acryl)

7.

1 , 1

8.

1 , 1 (LiF) (LiO)

9.

1 , 1

10.

9 , - - (ITO) - - (IZO)

11.

1 , 2

12.

11 , (Al), (Ca), (Mg)

13.가 ;
, , / ;
(poly-Si) ;

1 ;

1 2 ;

1 ; 2 , 1 2

2 1 ;

1 1 ;

1 2 ;

2 , 1 가 2

;

2 3

14.

13 , 1 가 , 2 가

15.

9 , 1 가 , 2 가

16.;
, / , ;
, , ;

;

1 ;

1 2 ;

2 1 ;

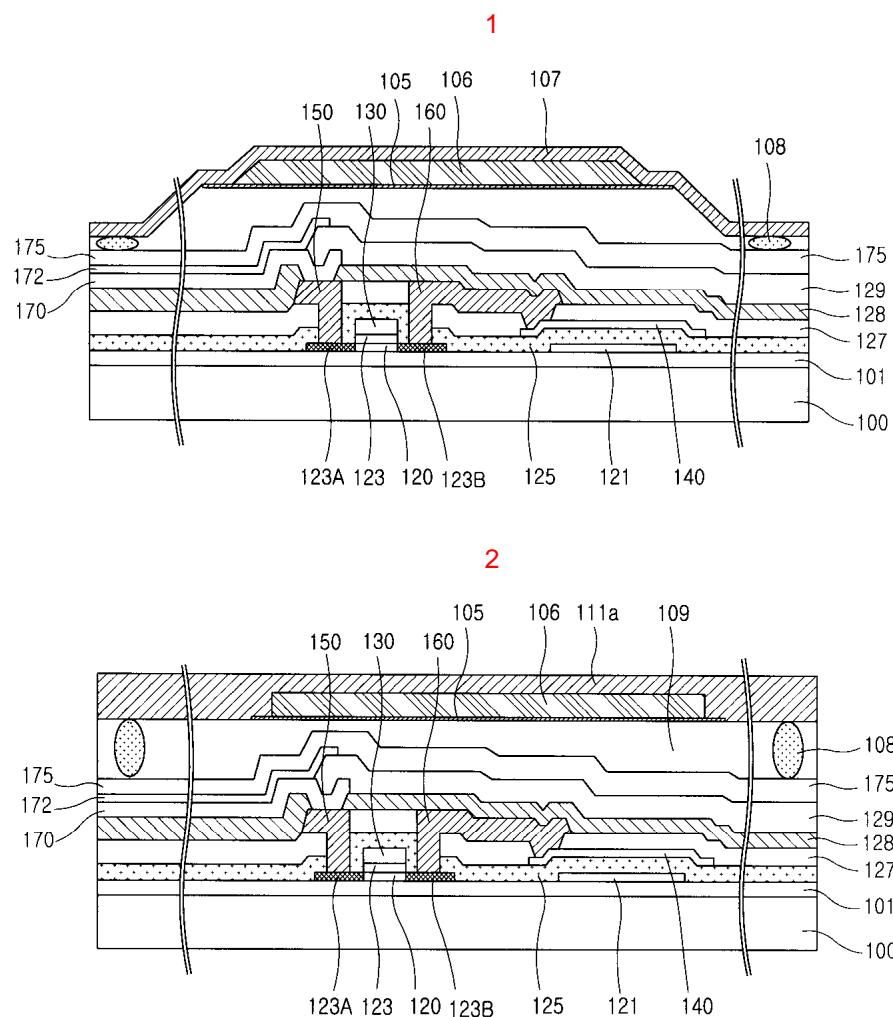
1 1 ;

1 2 ;

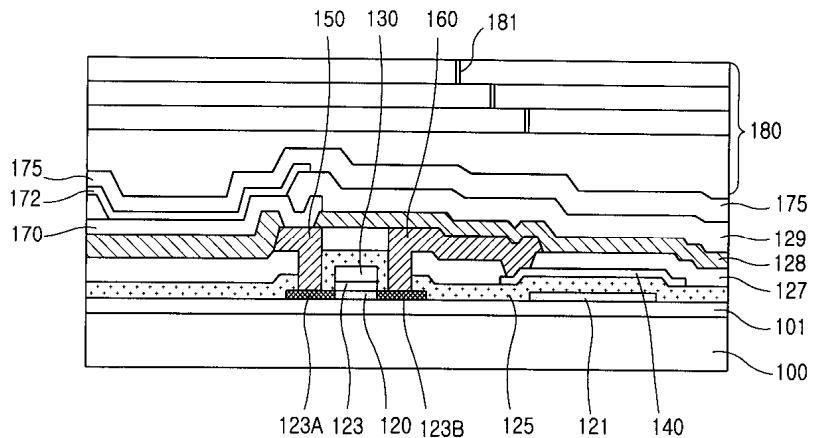
2 1 ; 2

;

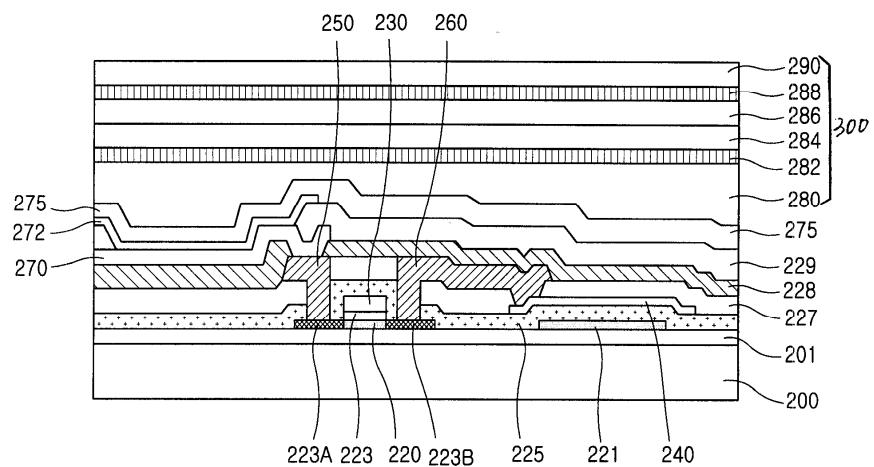
2 3



3



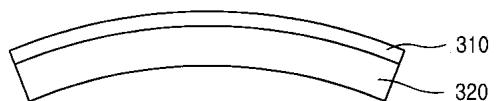
4



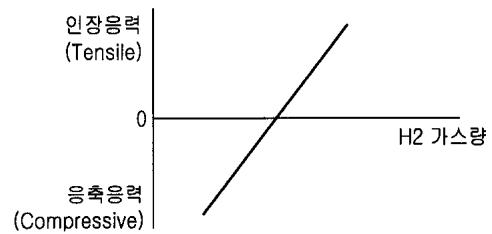
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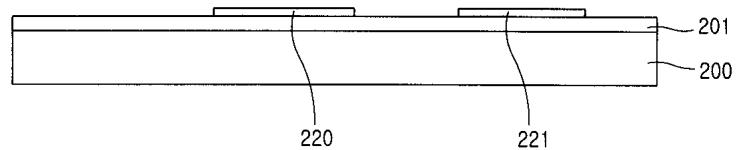
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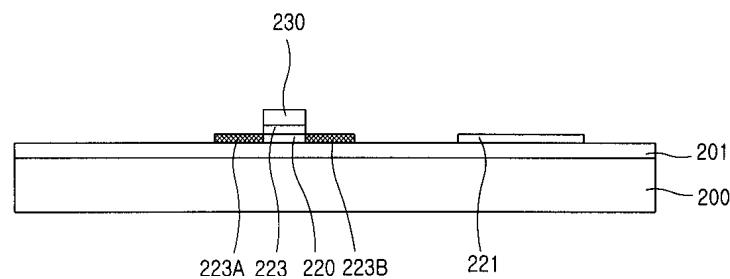
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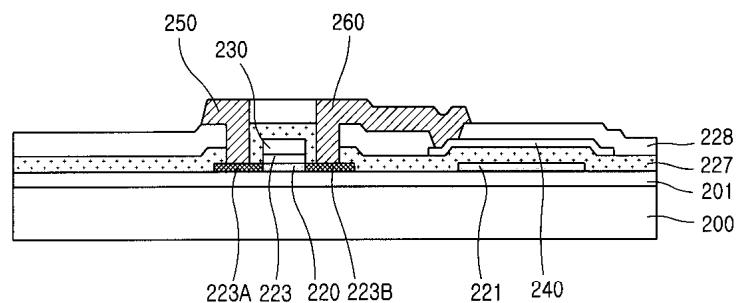
8a



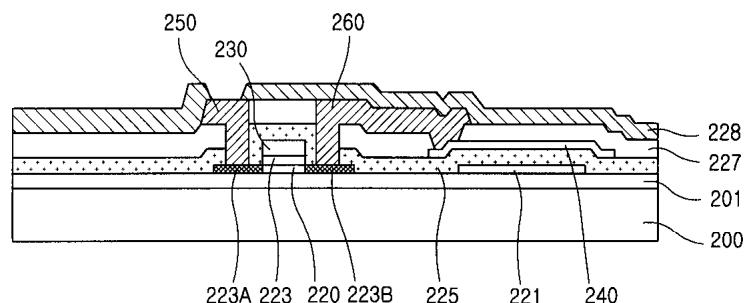
8b



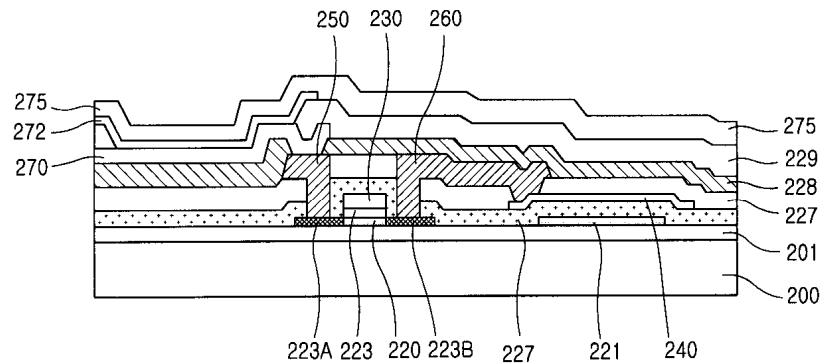
8c



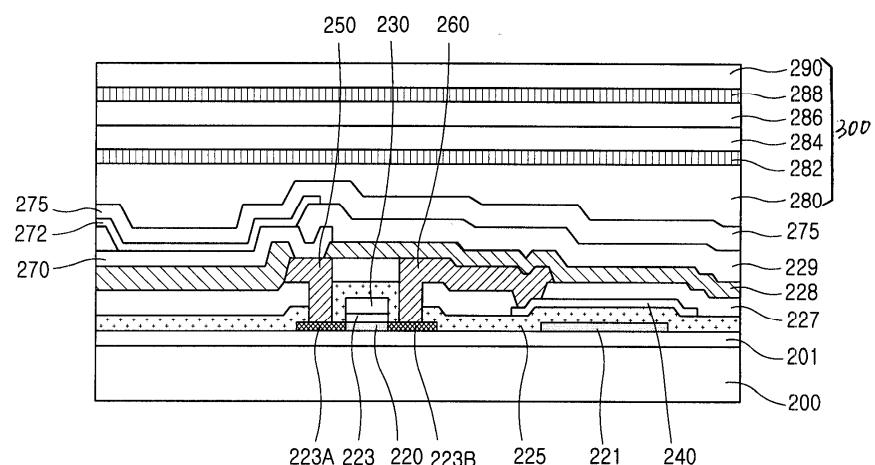
8d



8e



8f



专利名称(译)	有机电致发光显示装置及其制造方法		
公开(公告)号	KR1020040020673A	公开(公告)日	2004-03-09
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IPC分类号	H05B33/04 H01L51/52 H01L27/32		
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其他公开文献	KR100885843B1		
外部链接	Espacenet		

摘要(译)

本发明涉及有机电致发光显示装置及其制造方法，包括该基板;薄膜晶体管包括栅电极，有源层形成在基板和源/漏电极上;包括在电源线上形成的多晶硅膜的电容器和连接的下部用薄膜晶体管和包装膜，其中具有相反性质的无机膜在有机层和有机层之间交替层叠它形成在基板上部的前侧，暗示的是包括第一和第二电极的有机电致发光器件，有机发光层，有机电致发光器件和薄膜晶体管至少允许薄膜晶体管。

