

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. ⁷ H05B 33/04	(11) (43)	10-2004-0088841 2004 10 20
(21) 10-2003-0023219 (22) 2003 04 12		
(71)	575	
(72)	5	507 604
		808 1606
(74)		
:		
(54)		

1, 1, 2 ; 가 , .

1

1 ,

2 ,

3a 3d ,

4a 4e ,

5 ,

< >

가

가

1 2 가

100 nm ~ 50 um 가 0.5nm~100nm 10 nm ~ 30 nm 가

1 2 1 2

2

1 2 3 가 4

1 2 가 3 4 5

1 가 .

(11) , 1 , (10) , 2 (11) , (12) , (12)가

(12) , (11) (14) (13) .

(12) , 1 , , 2 1 , 1 , 2

(13) , , ,

가 .

(12) 1 (12) 1 2 2

(11) 가 , 2 2

(13) 가 .

2 , (12)

(15) .

(14) , 100 nm ~ 50 um

2 .

(14) (14a) (14b) (14a)

(14) (14b)

(14) (surfactant) 0.3 g (solvent) 0.6 g

1 (butanol) 1 2 TEOS(Tetra-Ethyl-Ortho-Silicate) 5g 10.65

g HCL 1.85 g 2

2 1 2 2.1 g 1 3

3 , 2000 rpm 30 , 24

40-50 5 400

2 7000

3.5 um

가 .

(14b) 10~30 nm 2 (14b)

(14b) 80% 가 1 가 .

가
3a 3d
(33) 3a (34) (32)가 (31) (34)가 (33)
) 150 1 (34) (35)
3d

가 , .

4a 4e .

, (42)가 (41) , (43)

(44) (45) , (41) (43)

3) 가 (45) , (41) (41) (4

.

.

5 .

(S1). (S2). (S3), (S4), (S5), (S6). (S7). 가 (S8). 가 (S9). 3 cm * 4 cm mg 3 ~ 5 CaO BaO 3.5 um 가

(57)

1. ;

, 1 , , 2 ;

가

, ; .

2.

1 ,

가

.

3.

2 ,

100 nm ~ 50 um 가

.

4.

2 3 ,

0.5nm~100nm

.

5.

1 ,

1

2

.

6.

1 ,

1

2

.

7.

1 ,

2

.

8.

7 ,

.

9.

1 ,

.

10.

1 ,

.

11.

1 ,

.

11 12. ,
.

13. 가 1 ;
2 ;
3
;
4 ; .

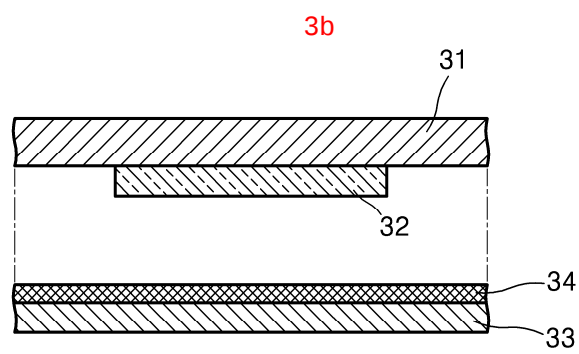
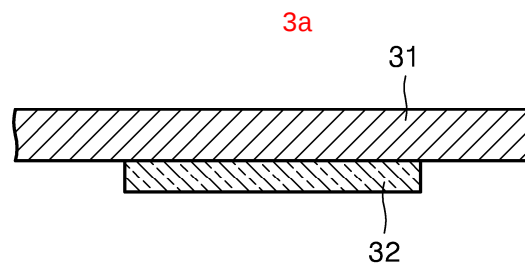
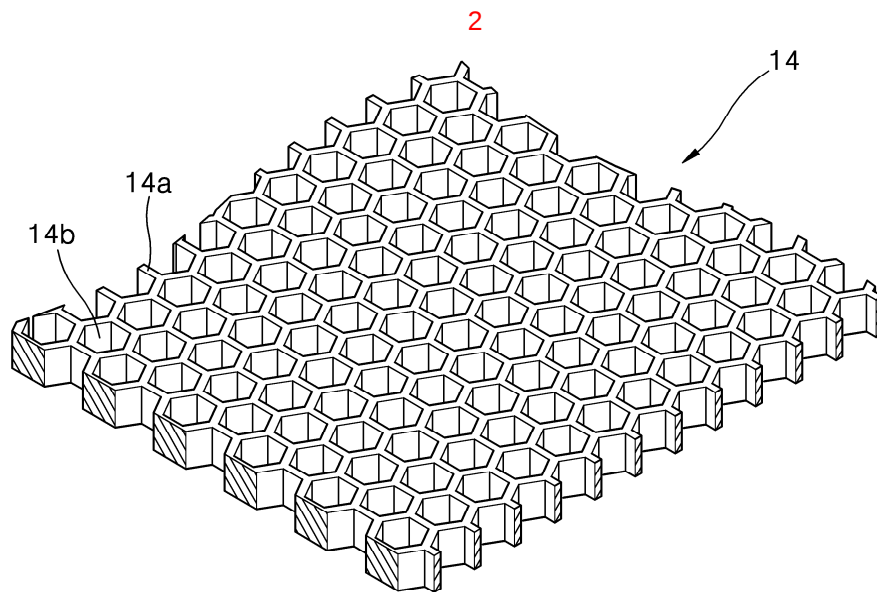
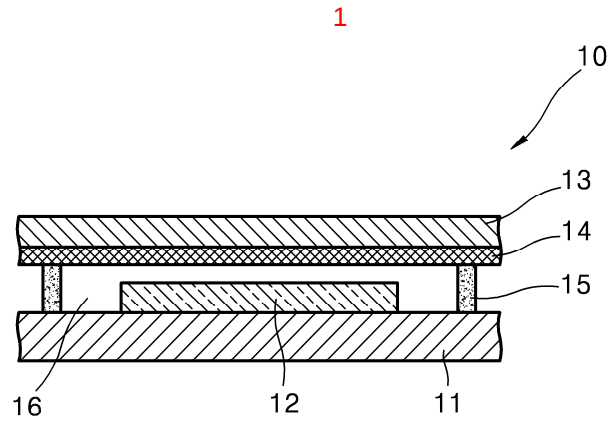
13 14. ,
.

13 15. 14 ,
EL .

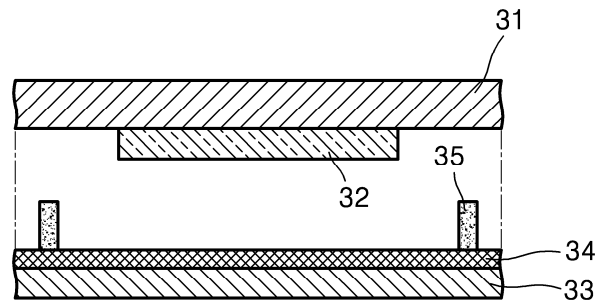
16. 가 1 ;
2 ;
3 ;
가 4
;
5 ;
.

16 17. ,
.

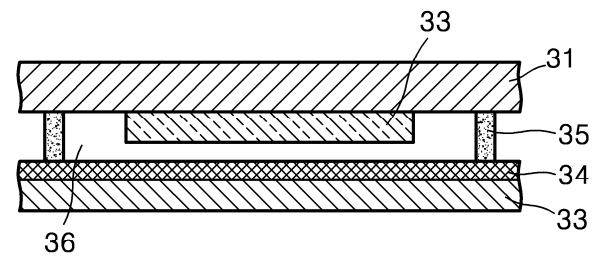
16 18. 17 ,
EL .



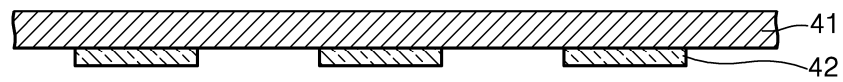
3c



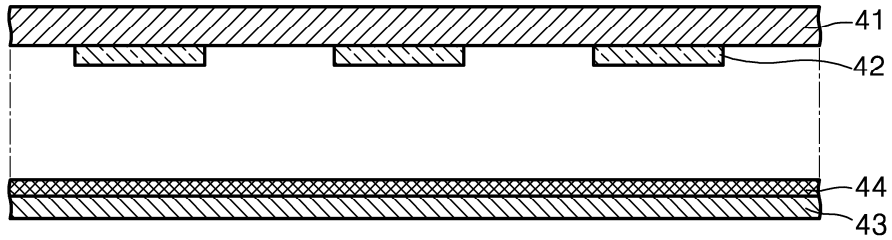
3d



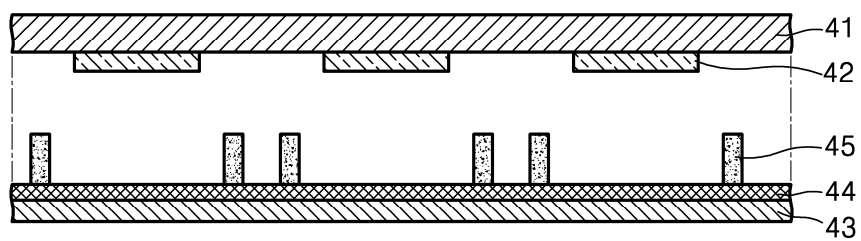
4a



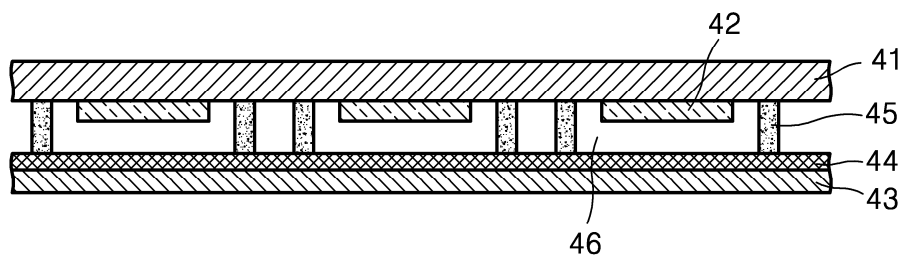
4b

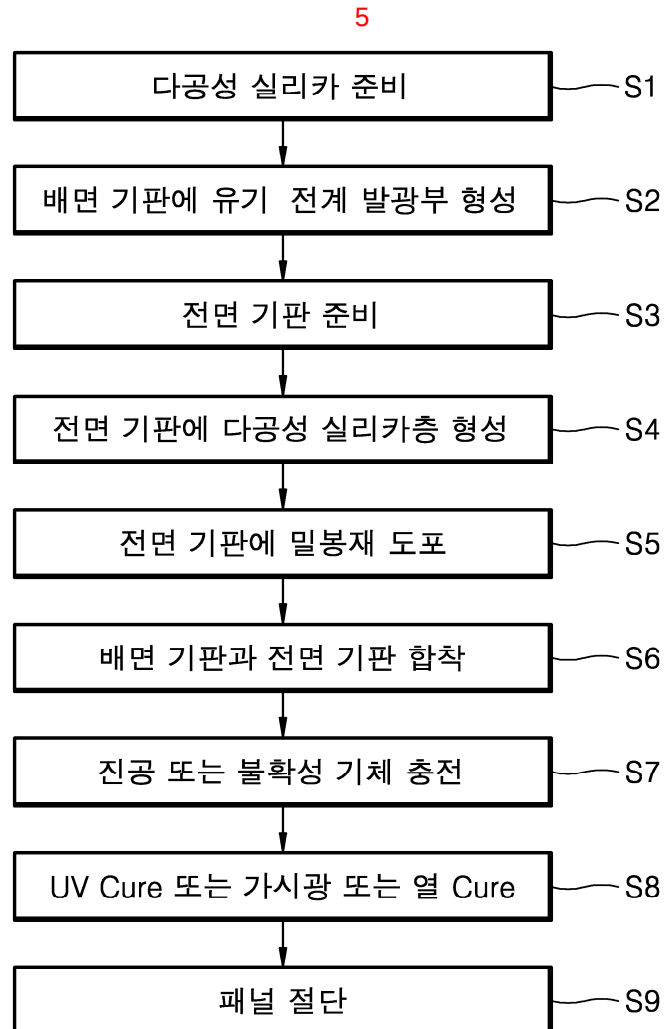
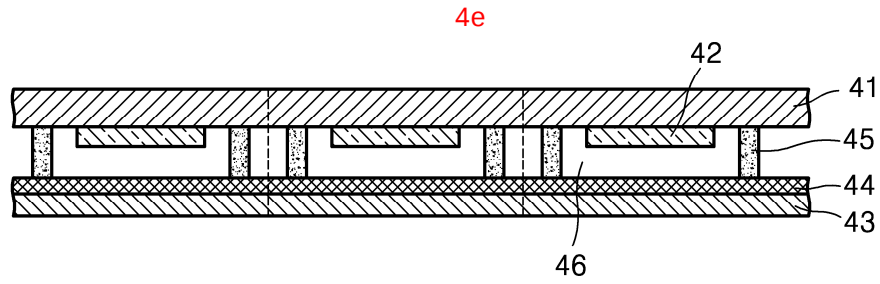


4c



4d





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	KR1020040088841A	公开(公告)日	2004-10-20
申请号	KR1020030023219	申请日	2003-04-12
申请(专利权)人(译)	三星SD眼有限公司		
当前申请(专利权)人(译)	三星SD眼有限公司		
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发明人	박진우 이중혁		
IPC分类号	H05B33/04 H01L51/50 H05B33/14 H01L51/56 H01L51/52 H05B33/10		
CPC分类号	H01L51/56 H01L2251/5315 H01L51/5237 H01L51/5259 H01L51/5206 H01L51/5221 H01L51/524 H01L51/5246 H01L51/5253 H01L2251/301 H01L2251/303 H01L2251/558		
代理人(译)	LEE, YOUNG PIL 李, 杨HAE		
其他公开文献	KR100496286B1		
外部链接	Espacenet		

摘要(译)

本发明公开了一种有机电致发光显示装置及其制造方法。本发明提供一种半导体器件，包括：后基板；有机电致发光单元，形成在后基板的一个表面上，并依次堆叠有第一电极，有机层和第二电极；并且前基板具有涂覆在其内表面上的透明吸湿层，内基板连接到后基板以从外部阻挡有机电致发光单元，内部空间包含有机电致发光单元，及其制造方法。 1

