

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl. 7  
H05B 33/04

(11)  
(43)

2003-0034732  
2003 05 09

(21) 10-2001-0066441  
(22) 2001 10 26

(71) 가 818

(72) 가 818

가 818

102 804

(74)

:

(54)

가 , ; 1 ; 1 가 1  
; 1 ; 1  
가 2 가 2 2 가  
;  
;

7

, EL,

1 4

,

5 ,  
6 ,  
7 6 ,  
8 ,  
9 6 ,  
10 ,  
11 1,2 ,  
12 1,2 ,  
13 14 ,  
15 ,  
16 ,  
17 ,  
18 ,  
19 ,  
20 24 .

가  
가 가 가  
가 , 가 가 , 가 .  
가 ,  
(CuPc: copper phthalocyanine), N,N- ( -1- )-N,N'-  
(N,N'-Di(naphthalene-1-yl)-N,N'-diphenyl-benzidine: NPB) , -8-  
(tris-8-hydroxyquinoline aluminum)(Alq3) .  
가 (hol  
e) , (exiton) , 가  
가

1 4 (encapsulation) .

1 2 (21) (22) (23) (24)

(25) (21) (22) (21) (22)

(21) (22) (21) (27) 4

(28) .

(capping layer) US 5,059,862 , US5,047,687 , US5,059,861

가 9-274990 (glass sealing ca

US 5,882,721 se)가 가 가 .

가 가 .

가 , , 가

(active area) 가 .

가 가 , 가

가 가

가 , 가

가 가 .

가 2000-10172

5 가

(30)가 (31) , (31)

(32) , (32) (31) 가

(32)(31) (31) (34) (33) , (33)

(32)(31) (33) 0.5mm (30)

(33) (33)

(31) 가

가 가

, 가 .

가 .

.

;

가 1 가 1  
1 ;

1 ;

가 1 2 가 2 2 1 ;

가

;

.

,

가 1,2

.

.

;

가 1 가 1 , 1 가 1 ,  
가 1 2 가 2 1 ;

가 1,2 가 :

1,2 :  
가 가

1,2

.

,

1 ,

가 가 1,2 2 ,

가 1 1 3

, 1,2 1 1 4

가 5 , 2 2 6 , 7 . 1 ; 가 가 1,2 가 , 2 ; 가 3 ; 4 . 6 7 . 가 , 1,2 (61)(62) (51) , (51) (51) (51) 가 (60) (51) (52) (51) (53a) (53) , (52) (60) (51) ( ) (70) , 1,2 (61)(62) (60) . (200) (51) (53) , . (60) (51) 1 (61) (63) (64) , 1 (63) (inter insulator;65) , 1 (67) , 1 (63) (68) 2 (62) 2 (68) 2 (69) . (60) (68) . 1 (63) 2 (66) . (70) 6 9 (53) (53a) (51) , (53) (52) (66) (70) (H1) (51) 가 (65) (H2) . 10 11 . (80) (81)(82) 1 2 (61,61'),(62)(62') 1 2 (61)(62) (81)(82) 10 11 (53) (53a) (52) (61,61')(62)(62') (81)(82) ) .

(61),(62) (77)가 (75)가 (70') (53a) (76)가 (1) (2) (2)

(70)(70')(80) 가 가 (14) (15) (61) (2) (61)

(53) (62) (52) (77)가 (70) (200) (1) (1) (78)

(61) (2) (62)가 (62) (15) 가 (1) (78)

(52)가 (70)(70')(80) (53) (53a) (51)

가 (60) (67)

(61) (61) (2) (62) (62) 가 (77)

(200) (1) (61) (2) (62)가 (78) (51) (1,2) (

61)(62)가 (1,2) 가 (61)(62) (6) 8

(52) (52)가

17 18

(91) (91) (91) 가 (91) 가 (1,2) (92)(93)

(92)(93)가 (91) 가 (94) (94) (91) 가 (95) (1,2) (92)(93)

가 (200) (96)가 (96) (91) 가 (96) (95) (91) (1,2) (92)(

(92)(93) (92)(93) (91) 가 (97) (97) (200) (1,2) (98)

(91) (91) (94) 19 (99)

(99a) (19)

(93)가 (91) (1,2) (92)(93)가 (200) (1) (92) (2) (92)(93)

가 (99) (94)가 (1,2)

20 24b

(100) (1) (101) (102)

(100) 가 (100) (102) 가 (1)

(103)(104) (103)(104) (103)

(105) (105) (22a, 22b) (103)

(103)(104) (105) (103)(104) (1) (105) (100)

23a 23b (103)(104) (1) (105)

(106) , 가 (100) 1  
 (110) ( ) (110) 1 (103) (103)  
 (104) 2 (104) ( ) . 1,2  
 2 , 2 .  
 , 2  
 (106) 2 (91) 1 (105) 24 가  
 (110), , (106) (106) (107) (107) .  
 , (106) (107) .  
 2 .  
 , (106)  
 (107)  
 가 .

, 가  
 , .  
 1,2 1,2 가 1,2 가  
 가 . , 가

(57)

1.

;

가

1

가

1

1

;

1

;

1

가

2

가

2

2

1

;

가

;

.

2.

1

,

가 1,2

1,2

3.

1 ,

4.

3 ,

1 2

5.

4 ,

가

6.

1 ,

7.

1 ,

가

8.

7 ,

가 1,2

1,2

9.

7 8 ,

가 1, 2

1 2 가

10.

;

가

1

가

1

, 1

, 1

가 2

1

가

2

;

가

1,2

가

:

1,2

가

가

:



1,2

11.

10

12.

10

가

13.

12

가

1,2

1,2

14.

10

15.

1

가

가

1,2

2

가

1

1

3

1,2

1

1

1

4

가

5

2

2

6

7

16.

15

1

17.

15

4

5

가

18.

17

,

5

6 가

가

.

19.

1 ;

1,2

가

,

2 ;

가

가

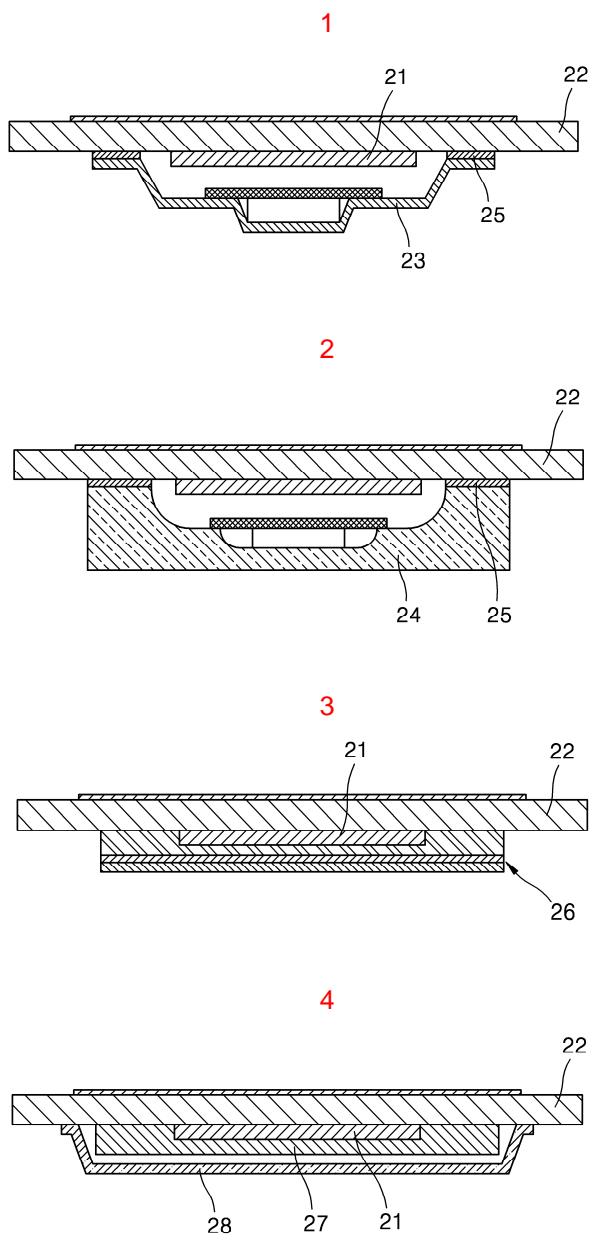
가

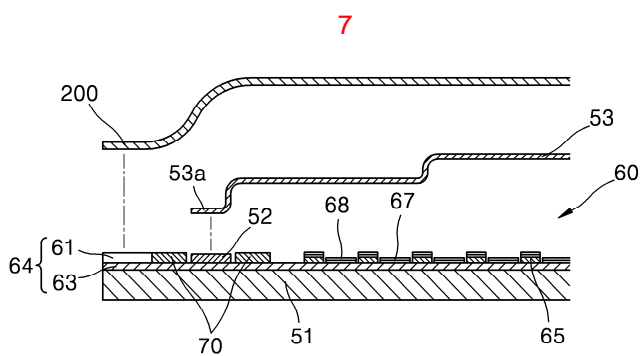
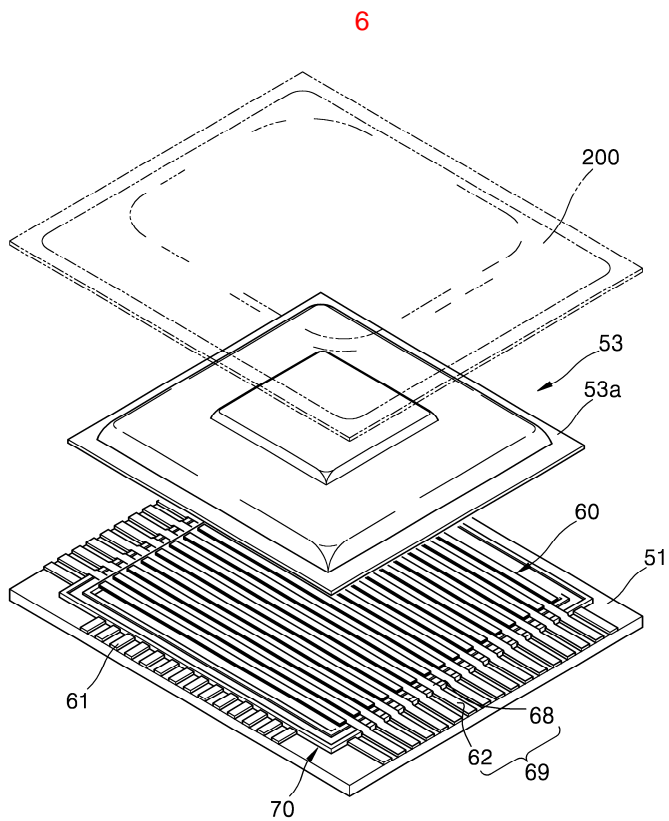
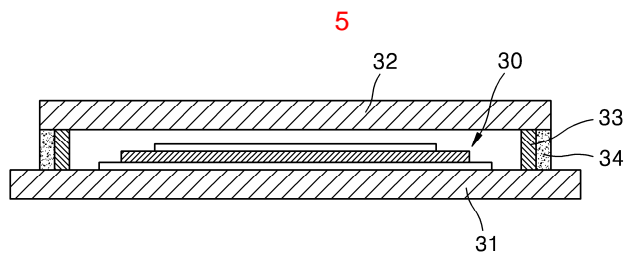
3

,

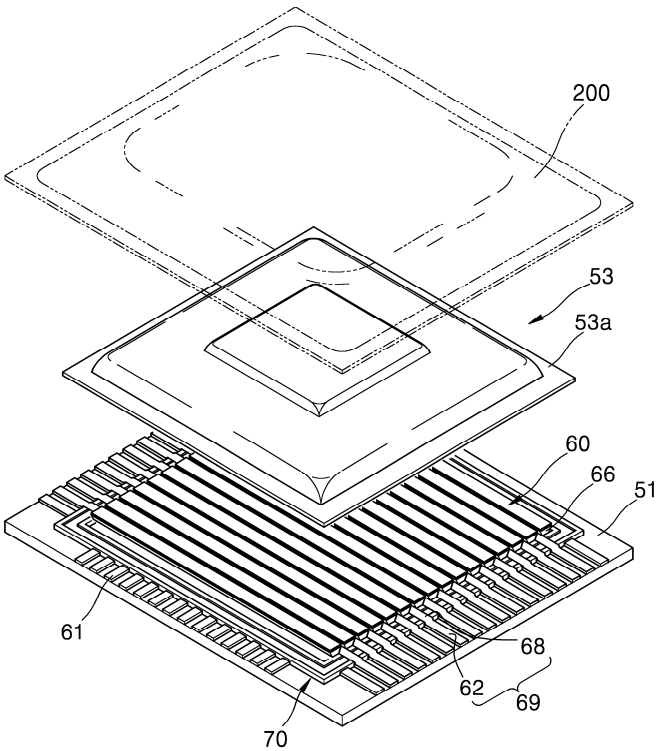
4

.

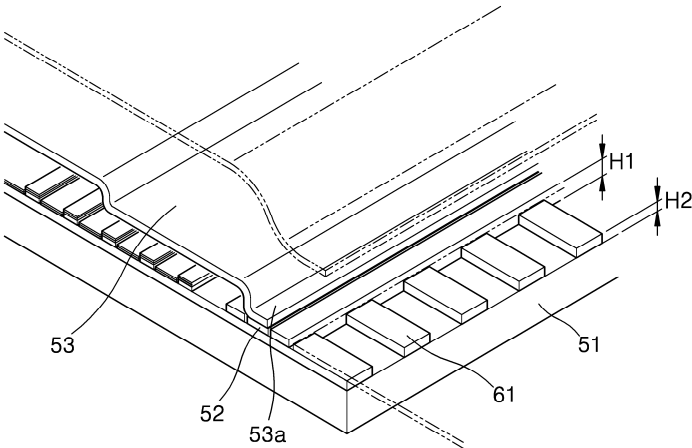




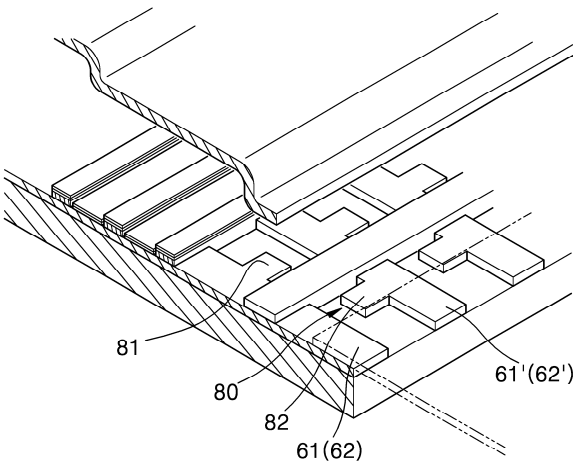
8



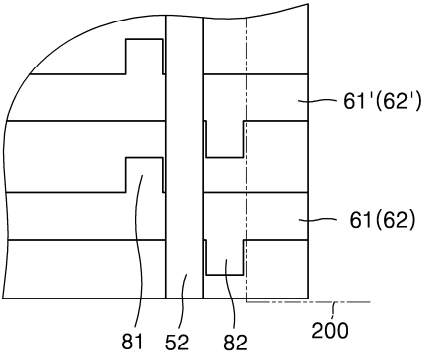
9



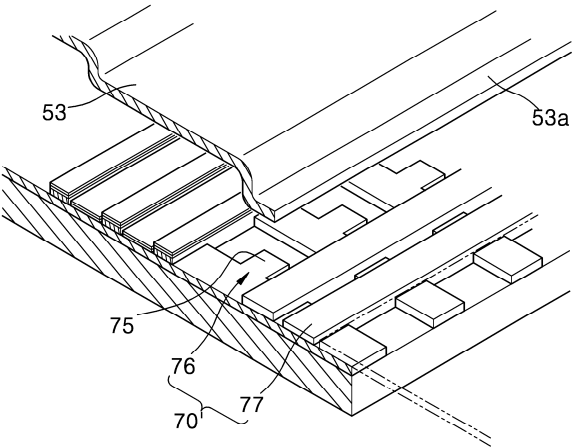
10



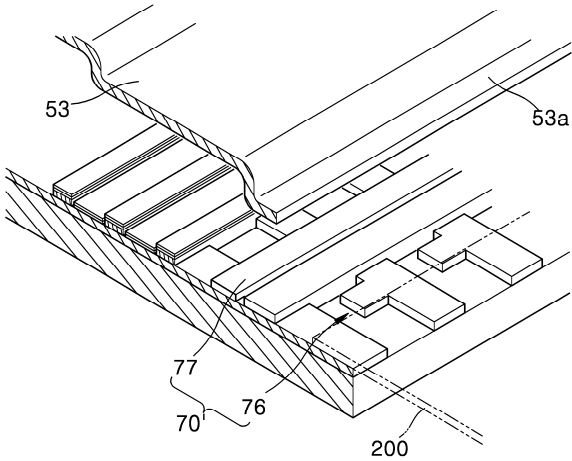
11



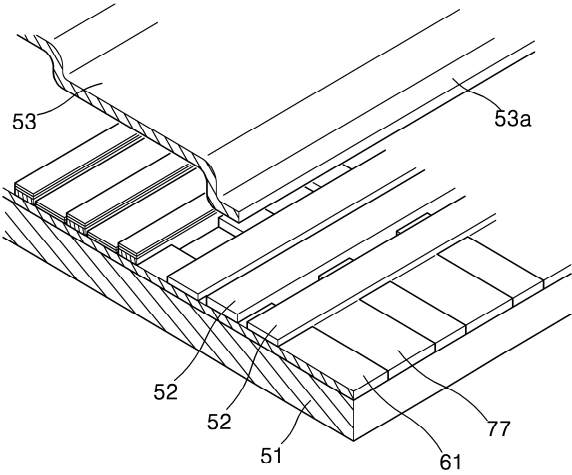
12



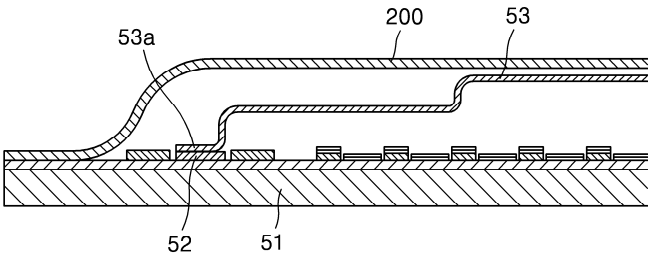
13



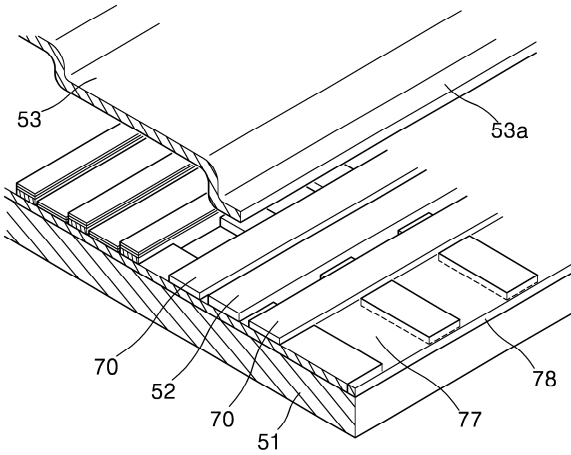
14



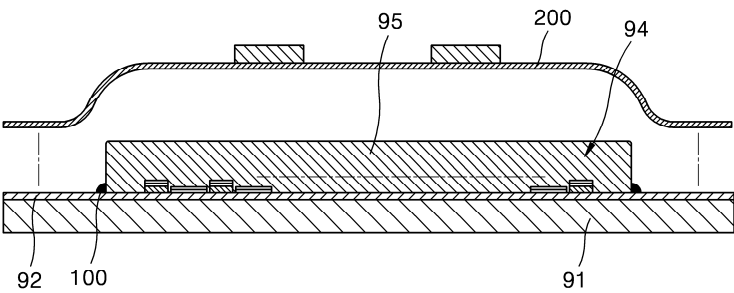
15



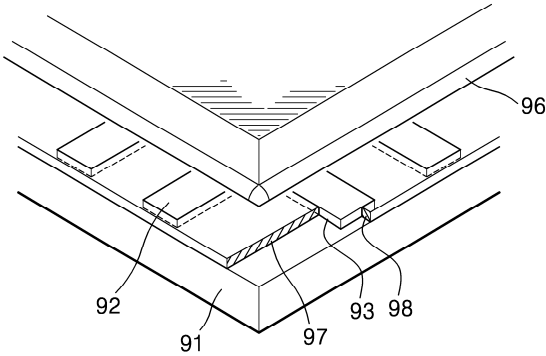
16



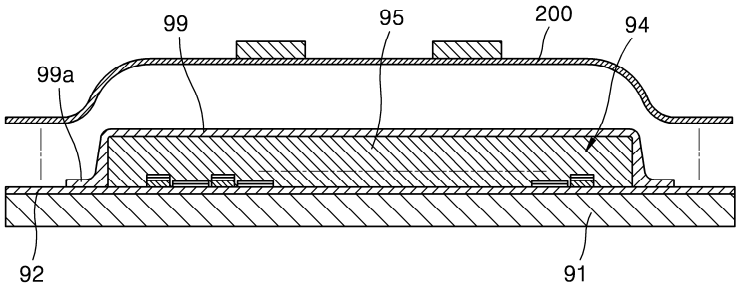
17



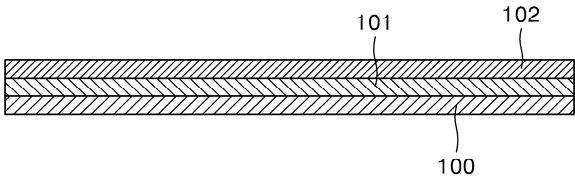
18



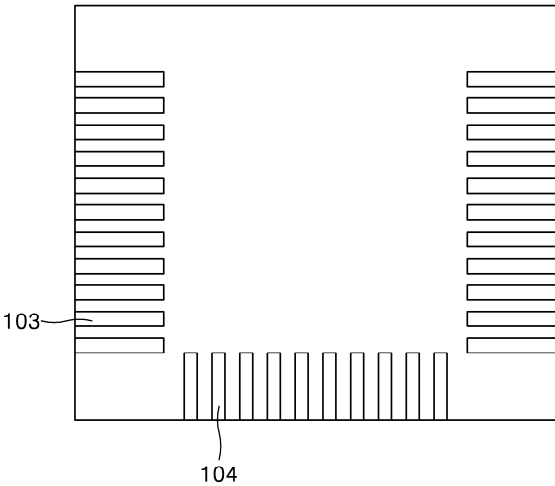
19



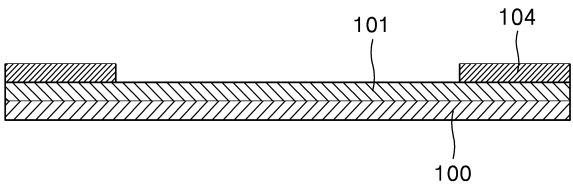
20



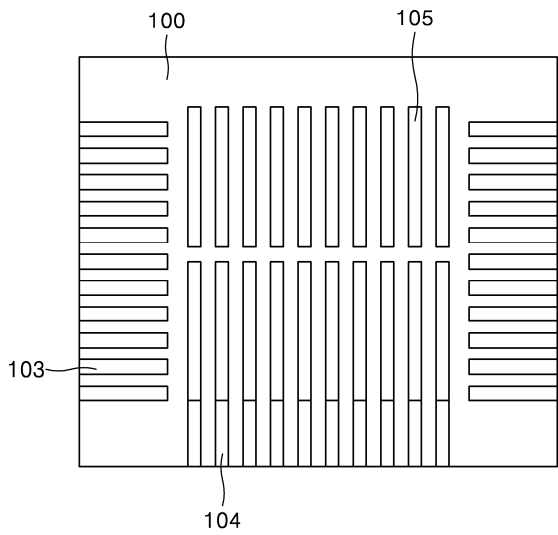
21a



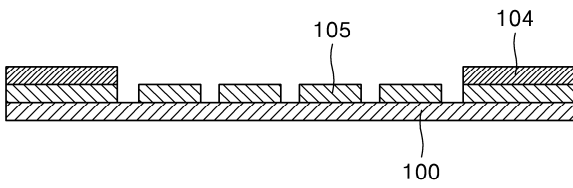
21b



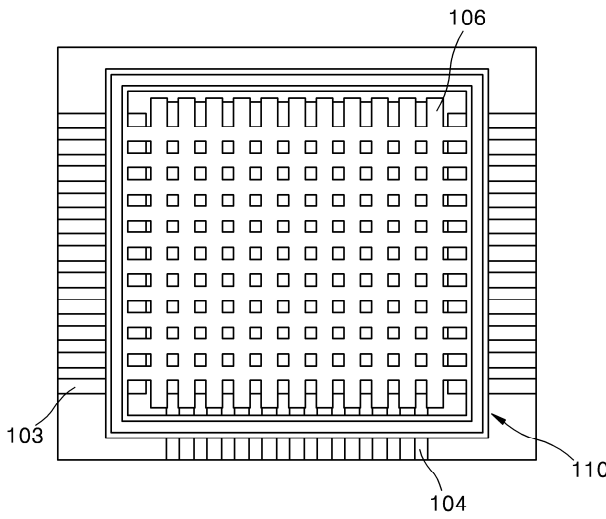
22a



22b

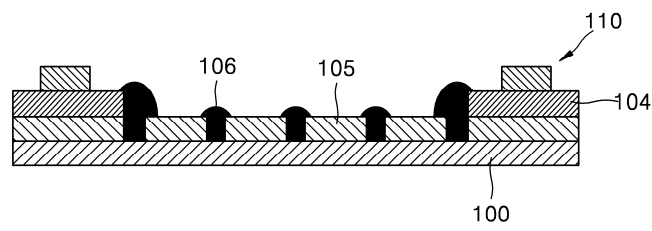


23a

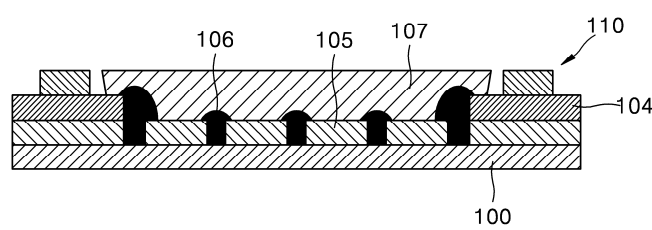




23b



24



专利名称(译)	有机电致发光器件及其制造方法		
公开(公告)号	<a href="#">KR1020030034732A</a>	公开(公告)日	2003-05-09
申请号	KR1020010066441	申请日	2001-10-26
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		
[标]发明人	KIM SEONHEE 김선희 KIM KYONGHAN 김경한 KIM TAESEUNG 김태승		
发明人	김선희 김경한 김태승		
IPC分类号	H05B33/04 H01L51/50 H01L51/52 H05B33/10 H05B33/06		
CPC分类号	H01L27/3281 H01L51/5237 H01L51/524		
其他公开文献	KR100768182B1		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

用途：提供一种有机电致发光显示装置及其制造方法，以通过控制封装过程中粘合剂的流动来防止质量下降。组成：在基板（51）上形成的有机发光部分（60）由从第一电极端子部分和第二电极端子部分施加的电流驱动。具有结合部分（53a）的帽（53）用于覆盖有机发射部分（60）和基板（51），以在它们之间形成空间部分。基板（51）和接合部（53a）通过粘合剂（52）彼此粘合。截壁部分（70）拦截基板（51）上的粘合剂（52）的流动。柔性电路板（200）与用于驱动第一和第二电极端子部分以及有机发射部分（60）的电路部分连接。有机发光部分（60）形成有具有第一电极线（63）的第一电极部分（64），中间绝缘体（65），有机层（67）和第二电极线（68）。

