

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl.<sup>7</sup>  
H05B 33/04

(11)  
(43)

10-2004-0024505  
2004 03 20

(21)

10-2003-0063056

(22)

2003 09 09

(30)

JP-P-2002-00267847 2002 09 13

(JP)

(71)

가 가 가 가 6 7 35

(72)

가 가 가 6 7-35 가 가

가 가 가 6 7-35 가 가

가 가 가 6 7-35 가 가

가 가 가 6 7-35 가 가

(74)

:

(54)

가 , EL<sup>2</sup> , EL

1 .  
2 1 A-A' .  
3 1 X Y .  
4 2 .  
5 가 .  
6 .  
7 .  
8 EL .  
9 1 .  
10 2 .  
11 3 .  
12 4 5 .

< >

1 :  
2, 3, 4, 5 :  
12 :  
13 :  
41, 51 : EL

, ( , ' EL' ) .  
, ) , 가 , ( , 가 ,  
, CRT( ) 가 ,  
, 가 .  
, 가 EL 가 , EL

EL , , / , 가  
가 . , EL , .  
, , EL TFT( )가  
, p , CMOS(Compleme  
ntary Metal Oxide Semiconductor) TFT가 , TFT  
, TFT , (joint)가 .  
2-6779 , 5-205875 , 2001-22293 , 2001-100668 , 200  
2002-108253 , EL  
, ,  
, ,  
, ,  
, ( ) ,  
, 가 , EL 가 , EL  
EL , 가 EL , 가 , EL 가 .  
, EL 가 , EL 가 .  
, EL  
, EL  
, , EL  
, EL  
, EL  
, EL  
1 ( 4 ) (2, 3, 4, 5) (1) , EL  
(2, 3, 4, 5) (1) X Y  
(6)가 (7) (8)가 (1)

2 1 A-A' , 3 1 X Y , 2 ,  
 (4) , (42) EL (41)가 , EL (41)  
 , (43) , (5)  
 EL (51)가 , EL (51)  
 (52) (53) , (2, 3) , 가  
 EL .  
 2 (4, 5) (4, 5)  
 (9) (10)가 , (10) , 4 (2  
 , 3, 4, 5) , (10) , 4 (2, 3, 4, 5)  
 (10) ( (4, 5) ) ,  
 EL (41, 51) (11)가 .  
 (1) , EL (41, 51)가 (4, 5) (Top Emission)  
 .  
 , (4, 5) , (12)가 . (12) ,  
 , (4, 5) , (4, 5) ( )  
 , (12) , (4, 5) , 가 )  
 ( (4, 5) )  
 (41) ( 2 EL (41) ) (4) EL (51) ( 2  
 EL (51)) , (12)가 .  
 , (4, 5) (13)가 . (13) , ,  
 (12) (13) , 3 (4, 5) (2, 3)  
 , (2, 4) , (3, 4) , 가 , 3  
 , (14R), (14G)  
 (14B) , 3 (14R, 14G, 14B)가 가 (6)( 1 )  
 .  
 , (1) , 4 (2, 3, 4, 5)  
 (12)가 , (12) , ( )  
 13) 가, 5 , (2, 3, 4, 5) .  
 (12) , 4 (2, 3, 4, 5) (2, 3, 4, 5) (9)  
 , (10) , (2, 3, 4, 5) ( )  
 , (13) , (12) , (12) .  
 , 4 (2, 3, 4, 5) ,  
 (15) EL (41, 51) (12) ,  
 (2, 3, 4, 5) (13) , (1)  
 .  
 , (13) ( , ) , (1)  
 (13) (13) , (1)  
 , (1) ( (10) ) ,  
 .  
 , (13) , 6 (2, 3, 4, 5) , (1)  
 (13) , (1)  
 (15) , (2, 3, 4, 5)  
 (13) , (1)  
 , ,  
 , (1) .

&lt; &gt;

, 2  
50mm, 330 $\mu$ m EL TFT, 50mm x  
, 7a (21), Cr( ), Mo( )  
(22), SiN( )/SiO<sub>2</sub> ( )  
(23), (24)  
(24) (25) (24)  
(25), Al( ) (26)  
220nm, 7b (25) (26), 2 $\mu$ m (27),  
Cr (28), 200nm (30) SiO<sub>2</sub> (29),  
, 7c, 30 $\mu$ m 가  
P, P  
(21) 2  
(21), 7d (31) 2-TNATA(4, 4', 4'-tris  
(2-naphthylphenylamino)triphenylamine), 0.1nm/sec 50nm  
(32) -NPD (naphthylphenyldiamine)  
0.1nm/sec 30 $\mu$ m (32), (33) Alq3(8-hyd  
roxyquinorine aluminum) 40 $\mu$ m (33)  
(34), (28), Al 20nm  
(35) MgAg( 9:1) CVD  
(35) SiNx 2 $\mu$ m  
2 (4, 5), 7e, 2  
(4, 5) 50 $\mu$ m, SiNx가, 2  
가 (4, 5) 60, 4, 가, 2 (4, 5)

EL  
가 20, 1, 2 $\mu$ m 8

&lt; 1&gt;

1, 2 EL  
1, 가 2, 2  
, 9, 2 (4, 5), (4, 5)  
(4, 5) 5mm (12), (12) W,  
, 60, 4 가 10 mm (4, 5)

EL  
EL 1, 8

가 60 , , 1 EL 0.5 $\mu$ m 가

< 2>

2 , 2 10mm EL ,

2 , 가 2 , 2

10 , 2 (4, 5) (12) , (4, 5)

(4, 5) 5mm (12) 10mm (12) W ,

10mm( (12) ) (13) , (4, 5) 60 , 4 (12)

가

EL

EL

가 60 , 2 , 8 0.5 $\mu$ m

1

< 3>

3 , 2 10mm EL

3 , 가 2 , 2

11 , 2 (4, 5) (12) , (4, 5)

(4, 5) 5mm (12) 10mm (12) W ,

10mm( (12) ) (13) , (4, 5) 60 ,

4 가

EL

EL

가 60 , 3 , 8 0.5 $\mu$ m

(4, 5) , 가

< 4>

4 , 2 20mm EL

4 , 가 2 , 2

12 , 2 (4, 5) (12) , (4, 5)

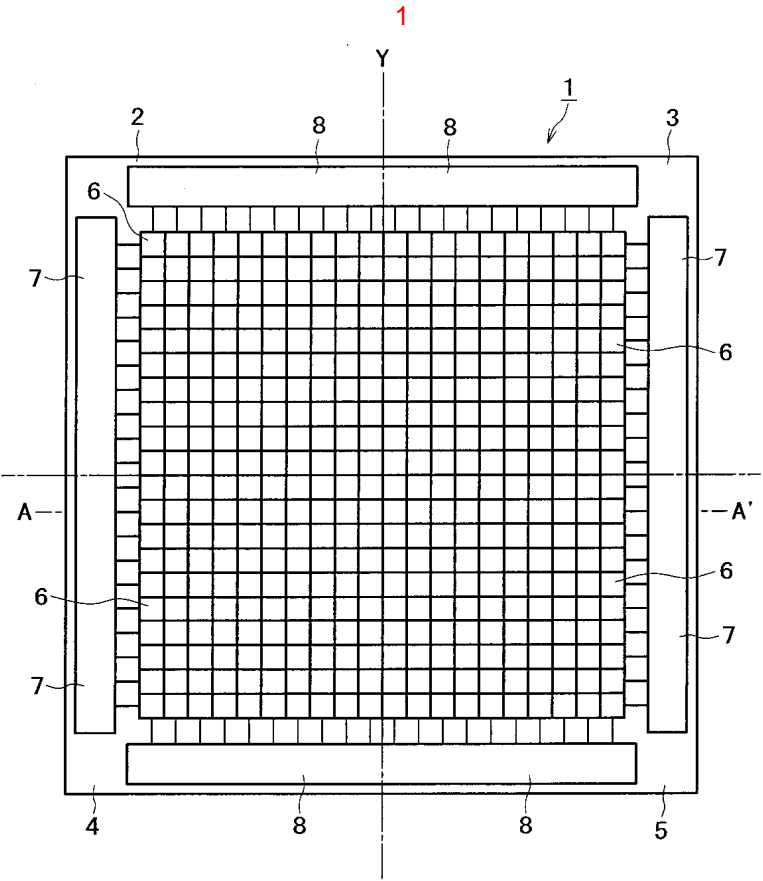
(4, 5) 10 mm (12) , 20mm W ,

(12) (12)

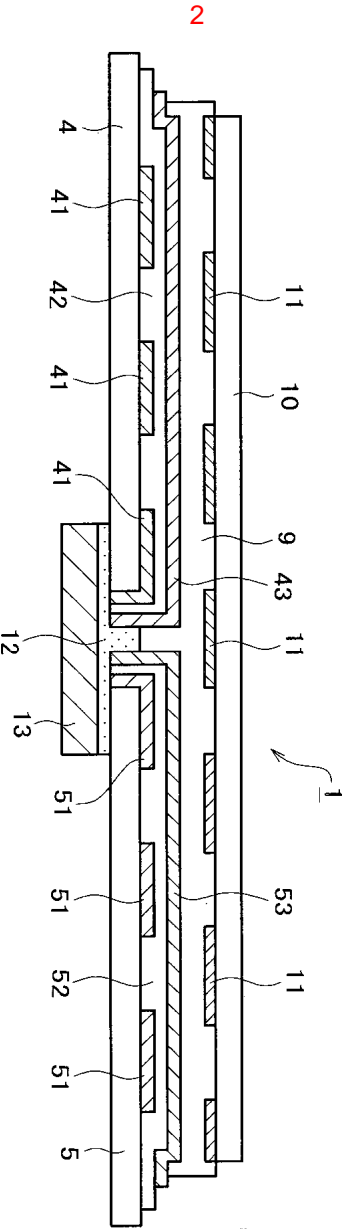
, 4 20mm( (12) ) ( ) (13) , (4, 5) 60  
가  
EL  
100  
< 5>  
5 , 4  
20mm EL  
5 , 가 1 4 (2, 3, 4, 5)  
(2, 3, 4, 5) (12) , 4 (2, 3, 4, 5)  
2) W , (2, 3, 4, 5) 10 mm (12) (12) (1  
20mm  
(13)( 5 ) (12) 20 mm( (12) ) 가 ( )  
(2, 3, 4, 5) 60 , 4  
EL  
가 100  
5  
EL

- (57)
1.  
2
  2.  
1
  3.  
2

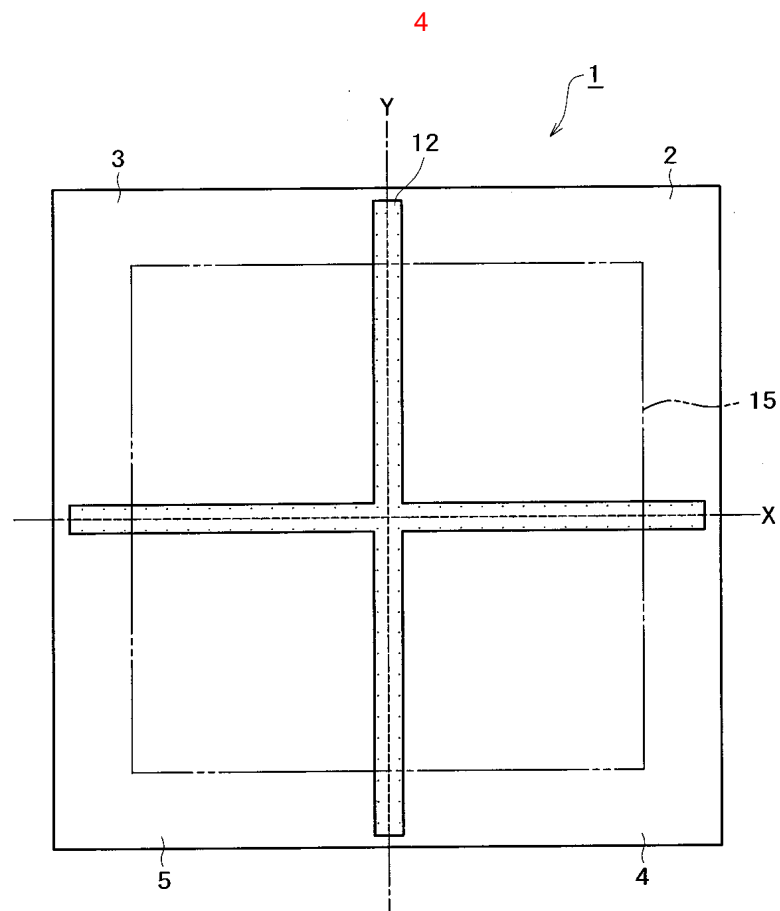
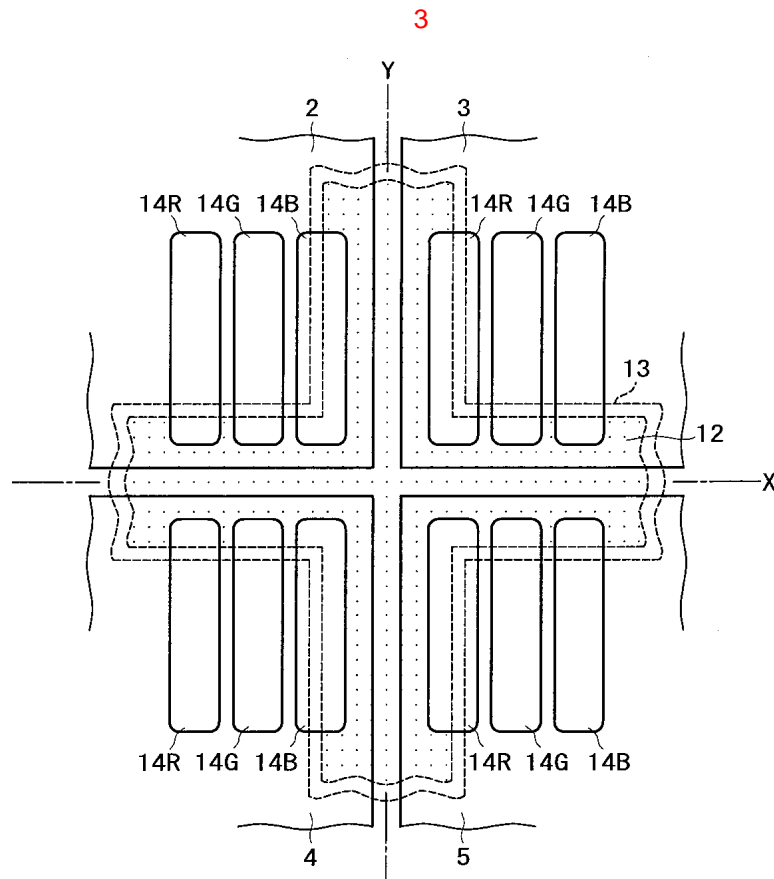
2 4. ,

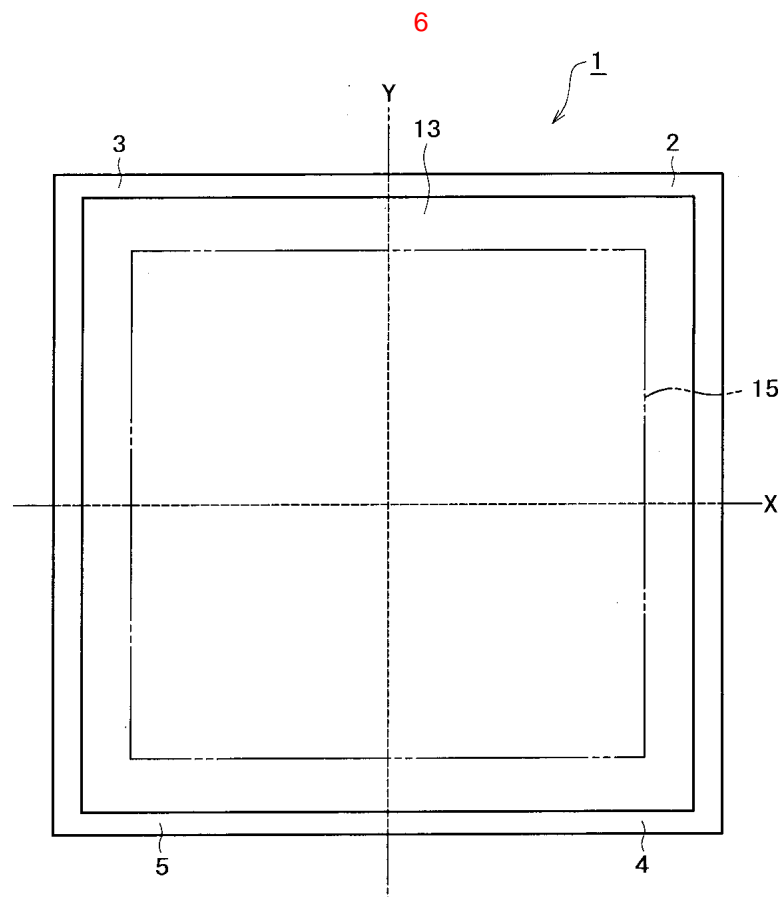
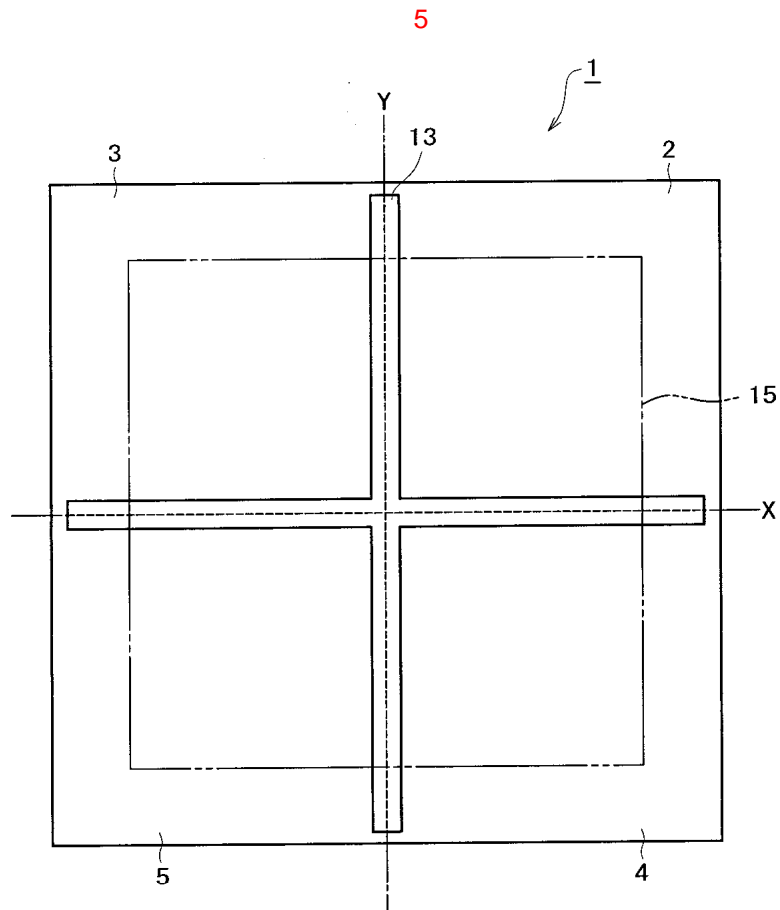




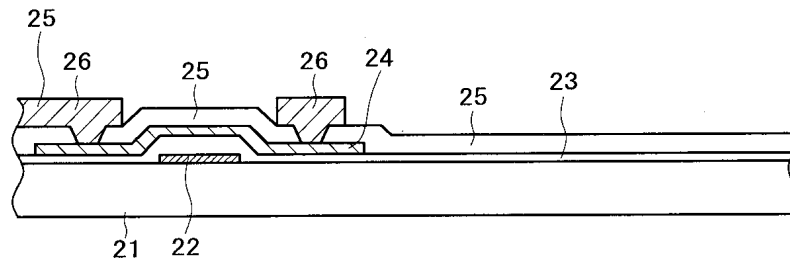


2

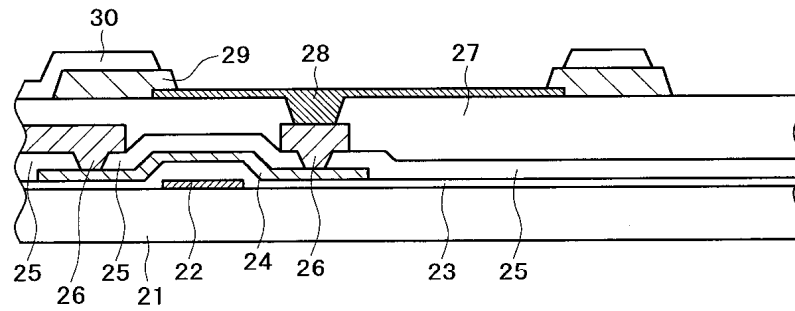




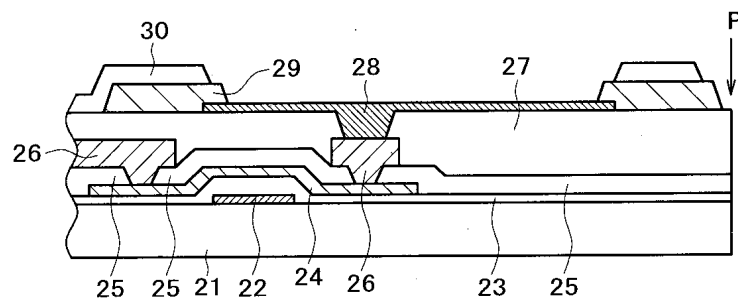
7a



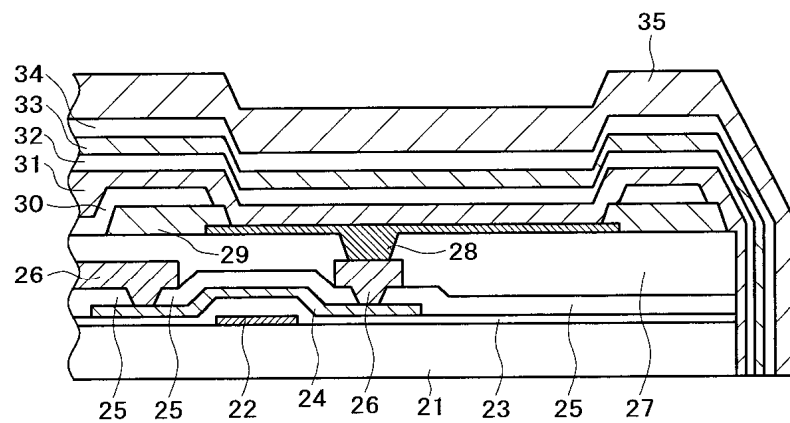
7b

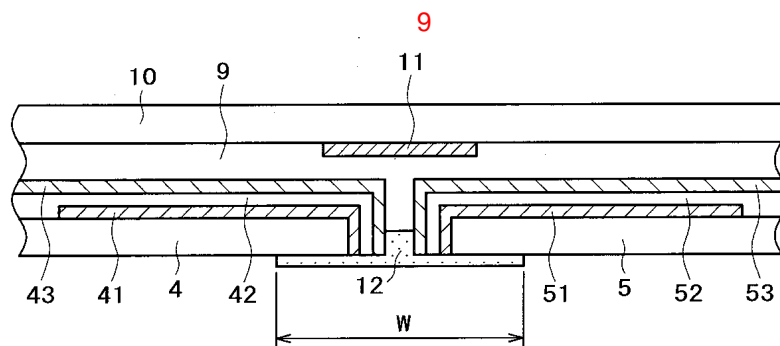
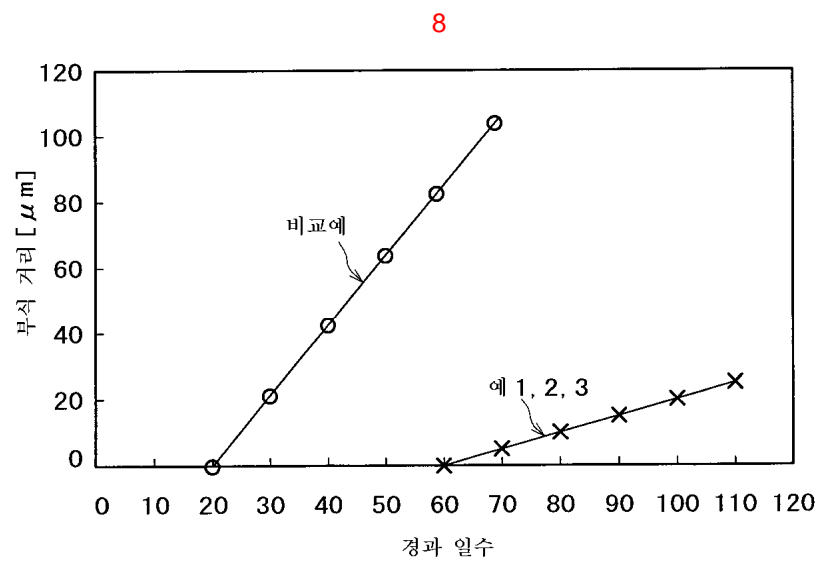
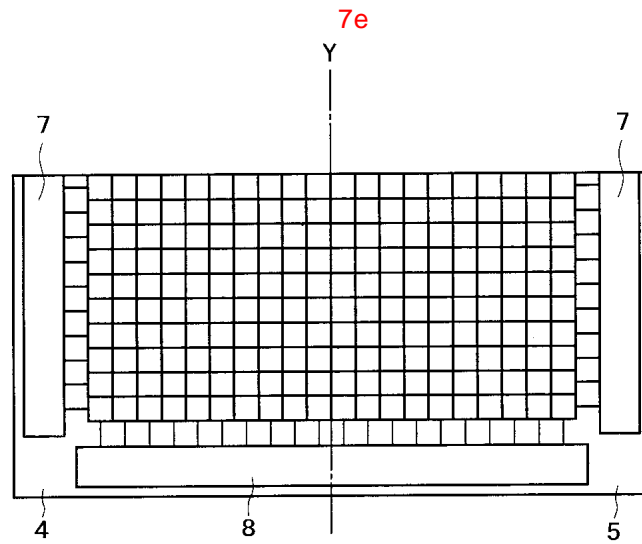


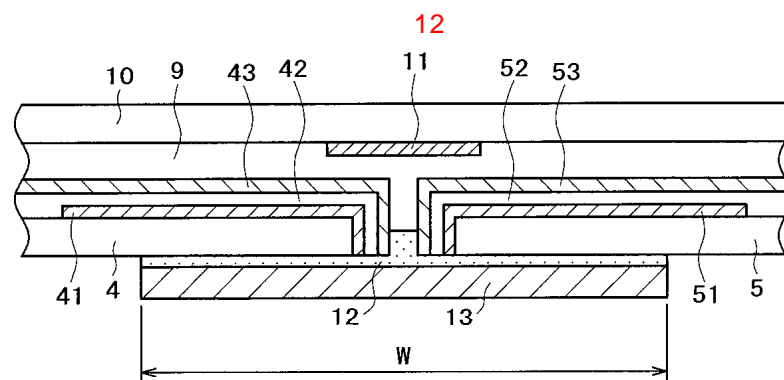
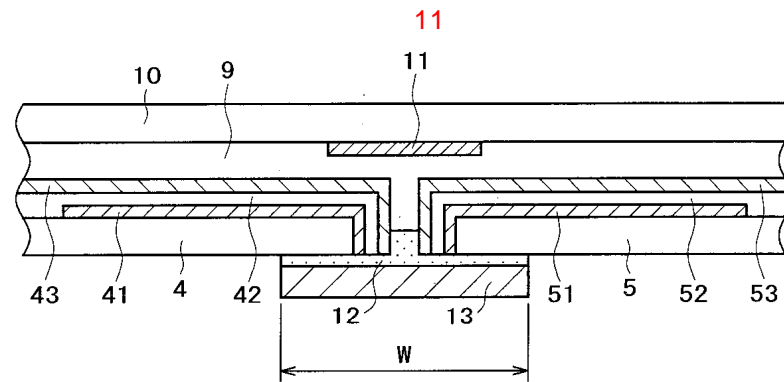
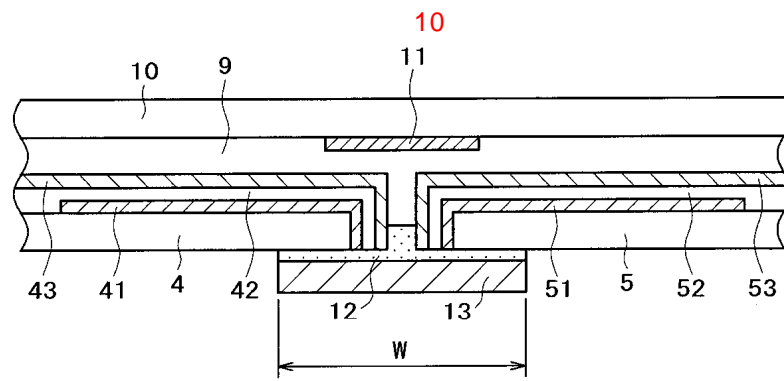
7c



7d







专利名称(译)	显示设备		
公开(公告)号	<a href="#">KR1020040024505A</a>	公开(公告)日	2004-03-20
申请号	KR1020030063056	申请日	2003-09-09
[标]申请(专利权)人(译)	索尼公司		
申请(专利权)人(译)	索尼公司		
当前申请(专利权)人(译)	索尼公司		
[标]发明人	KAWASE KIMITAKA 가와세기미따까 KIJIMA YASUNORI 기지마야스노리 SATO YUKIO 사토유키오 TAMASHIRO HITOSHI 다마시로히토시		
发明人	가와세기미따까 기지마야스노리 사토유키오 다마시로히토시		
IPC分类号	H01L27/32 H01L51/50 H01L51/52 H05B33/04 G09F9/40		
CPC分类号	H01L27/3244 H01L27/3293 H05B33/04 H01L51/5237 H01L51/5243 H01L51/5246 H01L51/5253		
代理人(译)	LEE , JUNG HEE CHANG, SOO KIL		
优先权	2002267847 2002-09-13 JP		
其他公开文献	KR101011048B1		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

显示装置包括组合的一个显示屏，该显示屏是合并的多个面板。使用有机电致发光显示器形成每个面板。在该显示装置中，密封材料以覆盖接合部分的模式涂覆在相邻的面板2之间的接合部分上。由此控制包括水分或有机电致发光显示器等的空气的侵入。显示装置，有机电致发光显示器和面板结构。

