

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl.⁷
H05B 33/06

(11)
(43)

10-2004-0100006
2004 12 02

(21)

10-2003-0032199

(22)

2003 05 21

(71)

20

(72)

191-1LG

EL

102 104

106 1202

(74)

:

(54)

5

1

2 1

3a 3b

4a 4e 3b

5

6a 6e 5

< >

9 : 13 :

51,151 : 59, 159 : 1

77,177 : 3 52,152 :

58,158 : 60,160 :

10,110 :

, (Cathode Ray Tube), (Liquid Crystal Display), (Field Emission Display), (Plasma Display Panel) (Electro Luminescence Display : 'ELD' EL)

ELD EL ELD ELD ELD

ELD EL 가 , PDP ELD 10V (Fle

xible) 가 , 가 , ELD 10V

1 ELD , 2 1 EL

D 1 ELD (50) , (50) (40)

ELD (50) 2 (GL) (DL) 가 (DL) (150) (150) (GL)

, (DL) (150) (GND) (13) EL (OEL) EL (OEL) , (GL) (VDD) (11) (152) (DL) (152) (T1), (T2) (C)

1 (T1) (GL) 가 - (DL) 1 (N1) (N1) (C) (T2) (VDD) EL (OEL) (T2) (I) EL (OEL)

(T1)가 (C) 가

(I) EL (OEL) (T2) EL (OEL) 가

ELD (DL) (5) (40) (19), (50) (11), (GL) (13), (9), (3)

(9) (GL) (150) (19) (DL)

(11) (T2)

(3) PCB(Printed circuit Board) (9) (19) ()

(5) EL (OEL) (50) EL (OEL)

(13) EL EL

3a , 3b 3a

3a 3b (13) (51) 1 (59) 2 ((57) , 1 (59) 2 (57) (85) (73) , (69) (59) 2 ((77) (85) 2 (57) (73) 3 (

(13) EL ()

4a 4f 3b

(51) (52) (51) (50) (52) (64) (62) (62) (51) (62) (51) (56) (40) (AlNd) (13) (64) (66) (64) (44S) (44D) (56) (58,60,61) 2 (57) (59) (51) (57) (59) (60) (53) (69) (70) (13) 2 (57)

(69) 4d (51) (60) (72) .
 (73) (40) (13) (69) 2 (57) .
 (Indium-Tin-Oxide : ITO)
 (72) (51) (50) (88) (74)
 (88) (74) (13) (73) (76)
 4e (Al)
 (13) 3 (177) ,
 (Oxide) 3 (13) (7) (73) 3 (77) (73) 2 (77) (73)
 (AlOx) 가 (Al)
 가 3 (77) (73) 3 (77) (73)
 가 (galvanic) 3 (77)
 (73)
 ;
 ;
 1 ; 1 / 3
 2 ; 2
 1 ; 2 ; 3
 1 2 가 2 3
 1 ' ; /
 2 ;
 3
 1 ; 2 ; 3
 1 2 가 2 3
 가

5 6e

5 ELD

5 (151) 1 3 (159,
157,177) 3 (177) 2 (157) 2
1 (159) 2 / 1 2 (159,157) 3 (177)
(157) 3 (177) 3 (177) 2 (169) 2

EL

(177) (Mo) (Al) 가 2 (157) 3
(Al)

6a 6f 5

(151) (152) (151) (152)
(164) (151) (162) (164)
(162) 6a (162) (151) (156) (51)
1 (59) (AlNd)

(156) 1 (159) (151) (166)
(166) (SiNx) BCB, (164)
(144S) (166) (144D) (156)

(166) (151) /
6b / (158,160,161) 2 (157) (159)
/ (158,160,161) (164) 2 (157) 1
(Mo)

/ (158,160,161) 2 (157) (151)
(SiNx) BCB, 6c
(160) (170) 2 (

157) (153) (169) (169)

(169) (151) (160) (172)
6d 1 (Indium - Tin - Oxide : ITO)

(172) (151) (188) (174)

(188) (174) 2 (157)
6e 2 (176)
3 (177) (153) 2 (157)
(Al)

(157) (177) 3 가 (177) 2 (157) (Mo) (Mo) 2 3

, , 가 , 가 , 가

(57)

1.

;

2.

1

,

1 ;

1 / 2 ;

2 3

3.

2

,

1 ;

2 ;

3

4.

2

,

1 2 2 3

가 .

5.

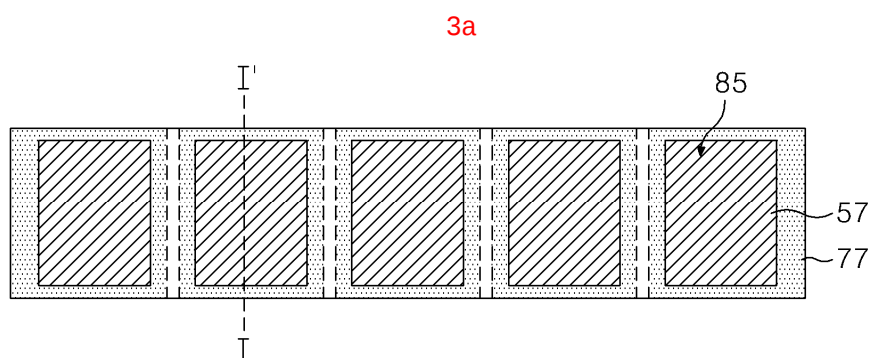
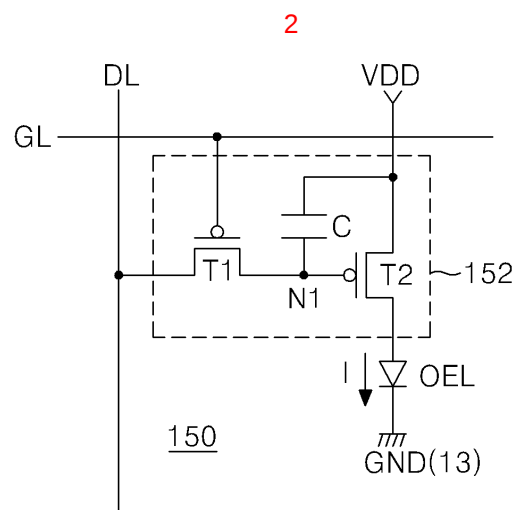
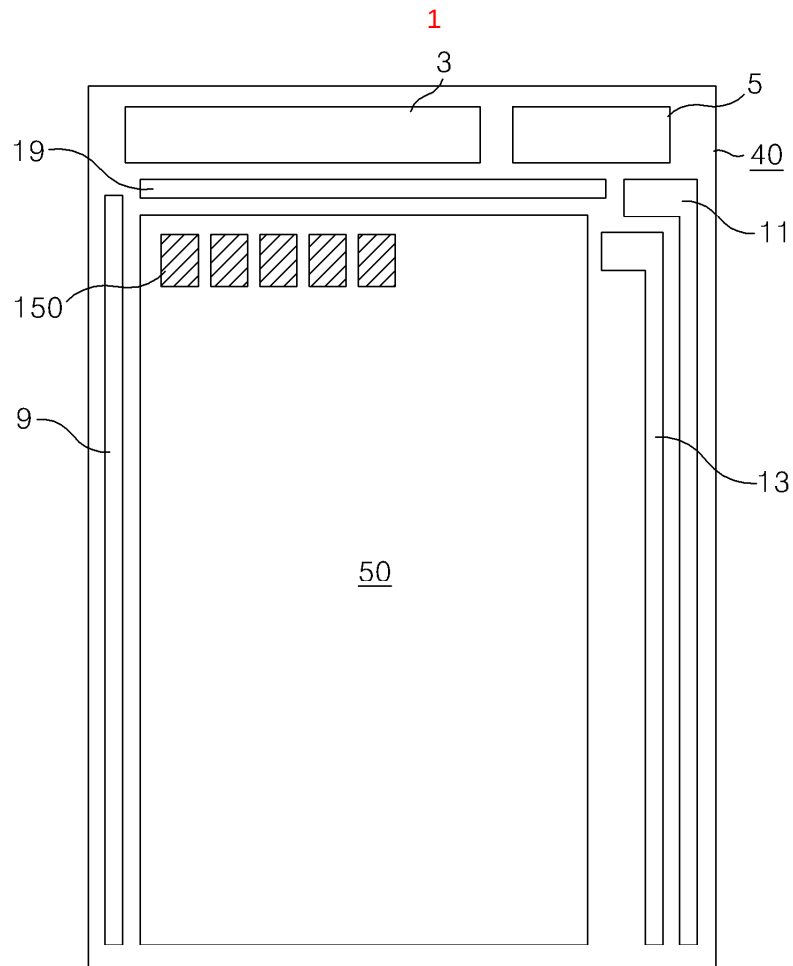
,
1
;
/
2
;
3
.

6.

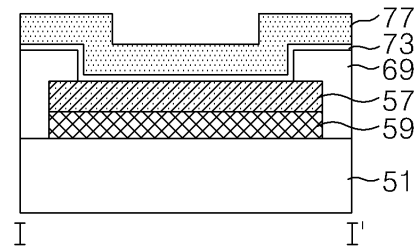
5
,
1
;
2
;
3
.

7.

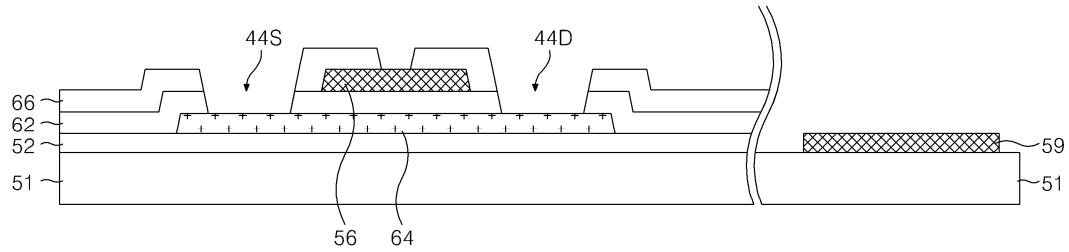
5
,
1 2
가 2 3
.



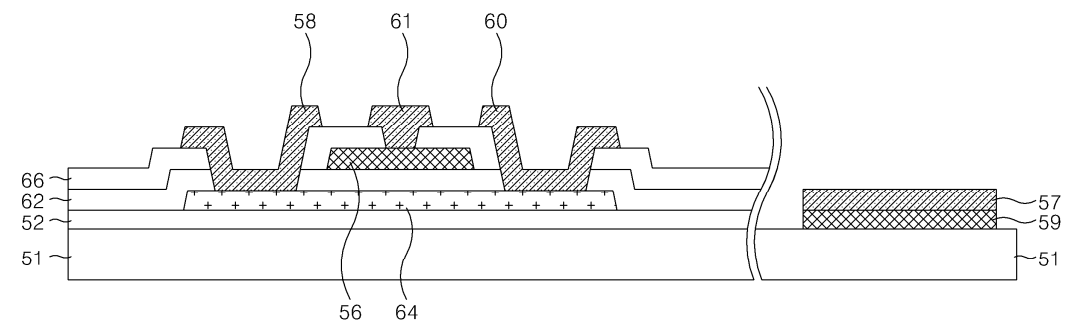
3b



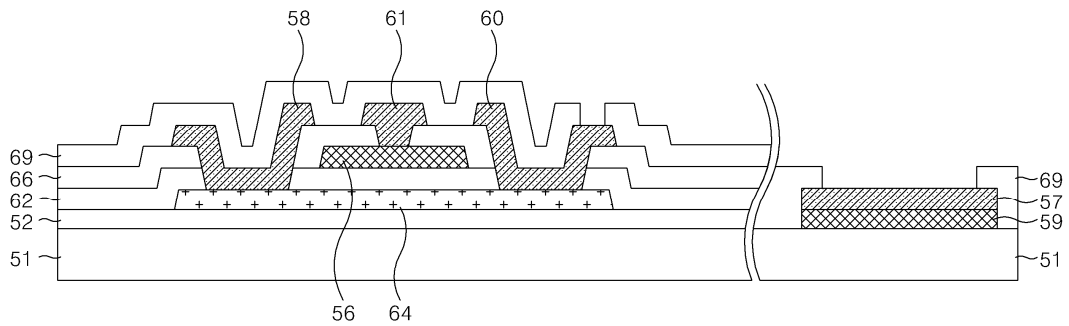
4a



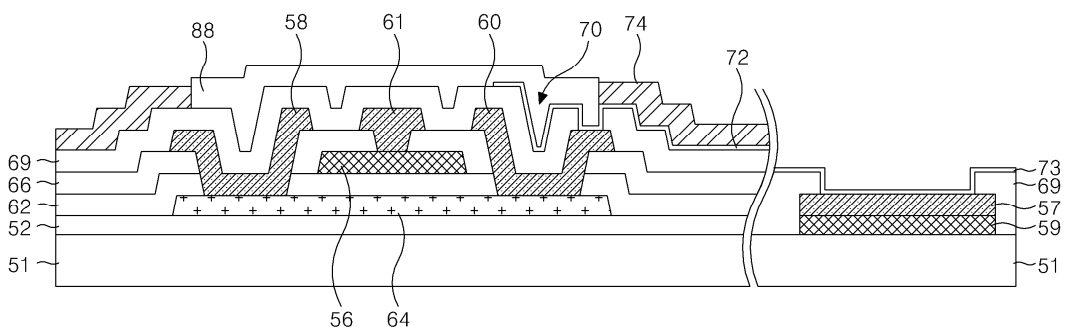
4b

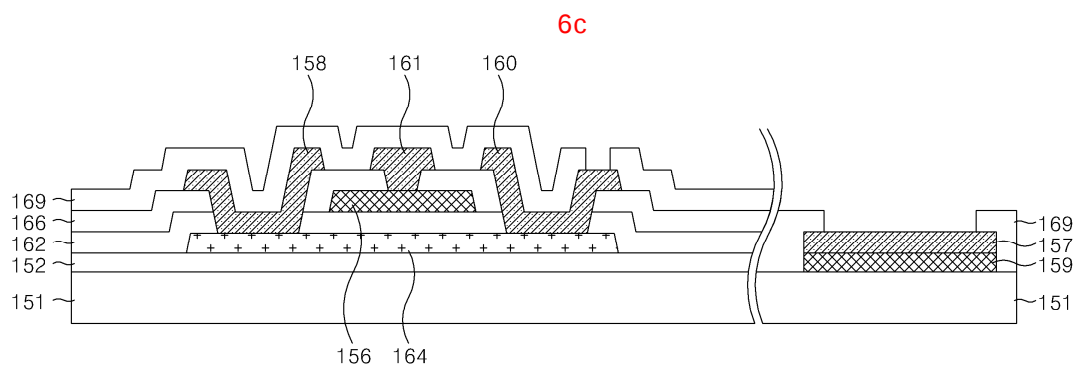
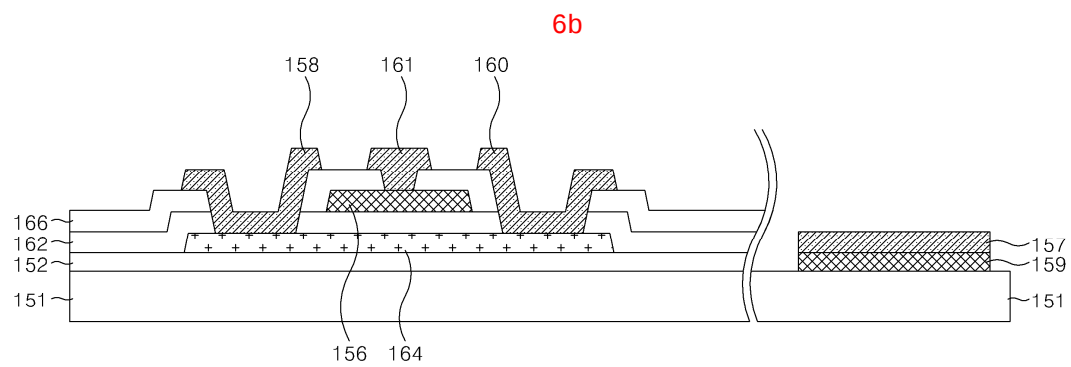
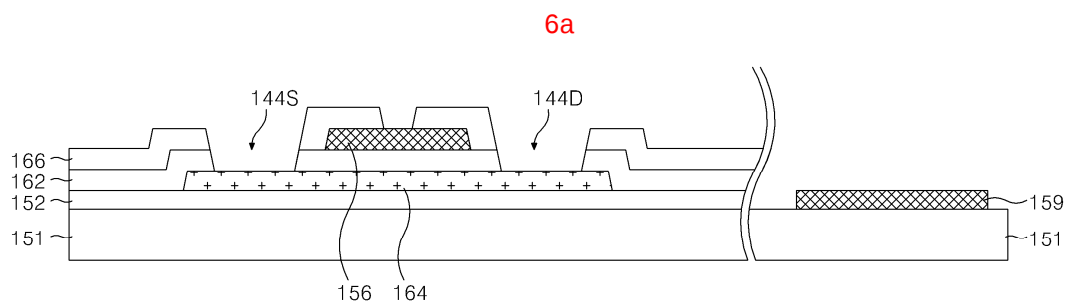
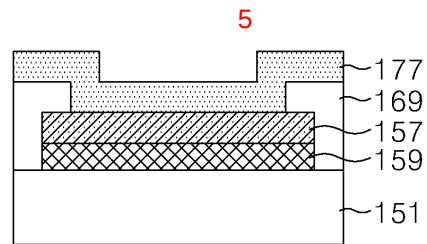
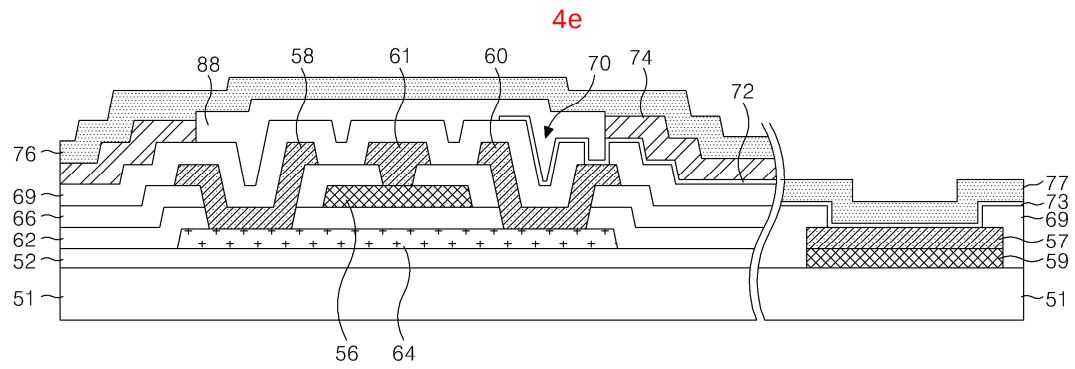


4c

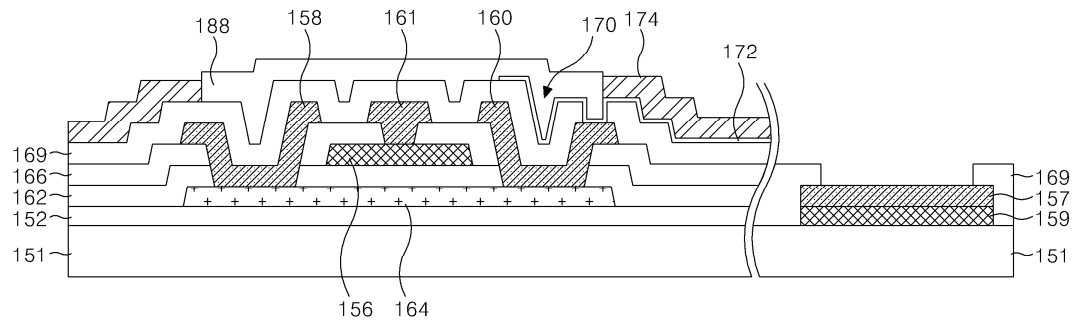


4d

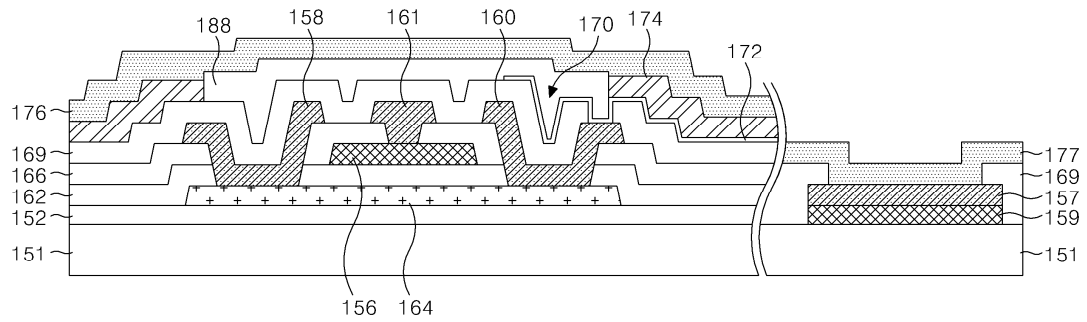




6d



6e



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	KR1020040100006A	公开(公告)日	2004-12-02
申请号	KR1020030032199	申请日	2003-05-21
申请(专利权)人(译)	LG电子公司		
当前申请(专利权)人(译)	LG电子公司		
[标]发明人	KANG MINSU 강민수 HAN YOONSOO 한윤수 TAK YOONHEUNG 탁윤희		
发明人	강민수 한윤수 탁윤희		
IPC分类号	H05B33/06		
CPC分类号	H01L27/3276 H01L51/0021		
代理人(译)	李, SOO WOONG		
其他公开文献	KR100692840B1		
外部链接	Espacenet		

摘要(译)

用途：提供一种有机场效应发光显示装置及其制造方法，以通过使用由电动势较小的金属制成的不透明金属层形成基极电压供给部来降低接触电阻。 构成：一种有机场效应发光显示装置，包括场效应发光单元阵列和由至少两个不透明金属层制成的基极电压供给线。基极电压供应线将基极电压提供给场效应发光单元阵列。至少两个不透明金属层包括由与场效应发光单元阵列中包括的薄膜晶体管中的栅电极等效的材料制成的第一金属层（159），形成在第一金属层（157）上的第二金属层（157）。金属层由与薄膜晶体管中的源/漏电极等效的材料制成，并且第三金属层（177）形成在第二金属层上并且由与薄膜晶体管中的阴极电极等效的材料制成。

