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(12) (A)

(51) 。 Int. Cl. <sup>7</sup> G02F 1/1343	(11) (43)	10-2004-0082126 2004 09 24
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(74)		
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(54)		

1 2 , 1 2 1 2 , 1 2 , 1

6

1

2a 2f 1

3 1

4 1

5 4

6

7a 7e 5

8 2 .  
9a 9e 8 .  
< >  
6,36 : 8,38 :  
10,40 : 12,42 :  
14,44 : 16,46 :  
18,48 : 20,50 :  
22,52 : 24,54 :  
26,56,84 : 30,80 :  
32 : 34 :  
58 : 60 :  
82 :

, .  
(Thin Film Transistor : 'TFT' ) 가 가 (Televisio  
n), (Lap - Top) (Personal Computer)  
 . TFT (   
) .  
wisted Nematic : 'TN' ) 가 가 (In Plane Switch : (T  
S' ) 'IP  
IPS 1 TFT , TFT (10)  
(22) , (22) (24) .  
TFT ( ) (6), ( ) (8)  
(20) (22) (10) , TFT (6)  
(14,16) (8) (10) (14,16) .  
TFT  
(22) .

(22)  
(20) . (22) (10) (1) . (18) , (18)

(24)  
(24) (22) (22) (22) .

(22) (24) (1) (26) . (26)

TFT (6) 가 가 (8) (10)  
(22) (24)

가 가 .

2a 2f 1 .

2 (1) (6) (1) 2a 2 (6) 1  
(12), (14) (16) (12), (1)

2b (16) (8) (10) 2d (8) (10) (10)

2c (1) (20) (18) (22) (18) (24) 2f (22) (26) (24)

2e (1)

가 (26) (30) (26) (26) 가 (30) (30) (30) (18)

가 가 . , 가 가 . , 가 가 .

가 .

1 2 , 1 1 2 , 1 2 2 1 2 , 1 2 2 , 1 2

1 , 1 , 2

가 .

SiNx, SiO<sub>2</sub>, PAC BCB .

1 2 1 .

1 2 가 .

1 2 1 2

1 2 , 1 1 2 1 1 2 1 2 ,

1 2 .

1 1 , 가

1 1 2 , 1 2

1 .

SiNx, SiO<sub>2</sub>, PAC BCB .

1 2 가 .

1 2 .

4 9e .

4 IPS , 5 4

4 5 , IPS (32) (34) (32)

TFT(T) , TFT(T) (40) (52) , (52) (54) , (32)

) (52) (54) (S) , (52) (56) . (54) ,

TFT(T) (32) (36), (34) (38) (50a)

(52) (38) (40) , TFT(T) (36) (44,46)

TFT(T) (32) (34)

(52) .

(52) (34) (32) (56) , (56)

(48) (52) (31) (40) (52a) , 1 (52a) (52)

(40) (32) 1 (52b) .

34) 2 (52b)

(S) (52) (32) (42) (50b) (S)

(32) , (90) (90) (52)

(54) (32) (60) (34) (32)

(52) . (54) (52) (

52) .

(56) (52) (54) (48) 6  
 (84) (82) (56) (31) (56) (80) (8)  
 0) 가  
 TFT (36) 가 가 (38) (40)  
 , 가 가 (52) (54) (80)  
 , 1 (54) (52) (56)  
 (80) (56) 가 (54) (52) (52) (80) (8)  
 0) , (54) (52) (54) 가 (52) (54)  
 , 가 (52) (40) (54) (52) (54)  
 ) (52) (40) (52) (54) , (52)  
 (54) 가 .  
 7a 7e 5 .  
 7a , (31) (36) .  
 (36) (31) (sputtering) (Al) - (AlNd) .  
 7b , (36) (31) (42), (44) (46)  
 (42) (36) (31) (SiOx) (SiNx)  
 (44) (46) (42) (31) 1 2  
 (Chemical Vapor Deposition) (46) N P (44)  
 7c , (44) (46) (31) (38) (40)  
 (38) (40) (44) (46) (31)  
 , MoW, MoTa MoNb (Mo alloy), (Ti), (W) (Ta)  
 7d , (38) (40) (31) (48) (56)  
 (48) (38) (40) (31)  
 (48) , BCB, PAC PFCB SiNx, SiO<sub>2</sub> 가 (acry  
 (56) (48) (31)  
 (50a) (48) (56) (50) (48) (56) (40)

7e , (56) (31) (52) (54) .

(52) (54) (48) (50) (40) .

(52) (54) (ITO), (IZO)

(ITZO) 가 .

(52) (54) (31) , (84)

(82) (80) .

8 2 .

8 , 5

가 .

(58) (52) (54) (58) (52) (52) (

) (54) (52) (54) . , (58) (52) (52)

54) (54) (56) (54) . , (58) (52)

(54) ,

9a 9e 8 .

, (31) 9a (36) (31) 1 2 (36) 1

, (36) (31) 2 (42), (44) (46) (46)

2 . (42), (44) (46) (40) (38) (38) (

9c (31) (31) (31) 9d (48) . (40)

40) (48) (56) (48) (50) , (56)

(48) (31) (48) (52) (54) 가

. (58) . (58) 9e (31) (31) .

(31) (31) .

, 2 . , 2 .

, ,

가 .

, .

가

(57)

1.

1 2 ,

1 2 1 2 ,

1 2 1 2 ,

1 1 2 .

**2.**

1 ,

1 ,

1 ,

,

2

가 .

**3.**

2 ,

SiNx, SiO<sub>2</sub>, PAC BCB .

**4.**

1 ,

1 2 1 .

**5.**

1 ,

1 2 가 .

**6.**

5 ,

1 2 1 2

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**7.**

1 2 1 2 ,

1 1 1 2 ,

1 2 1 2 2

.

**8.**

7 ,

1 ,

가 1 ,

1 가

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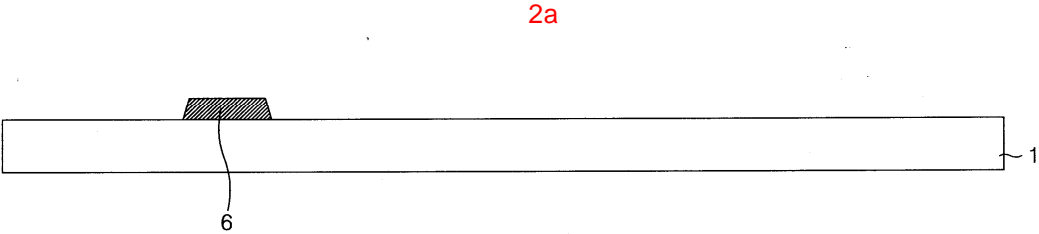
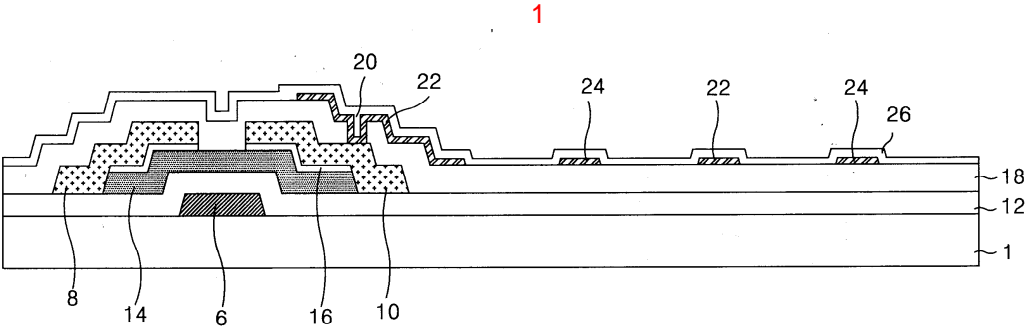
9.  
8 ,  
1 2

1 ,  
1 2

10.  
8 ,  
SiNx, SiO<sub>2</sub>, PAC BCB

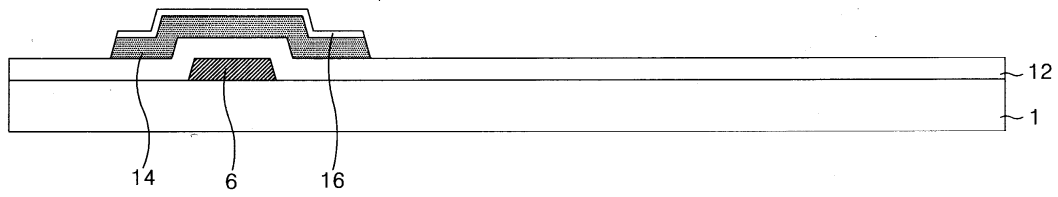
11.  
7 ,  
1 2 가

12.  
11 ,  
1 2

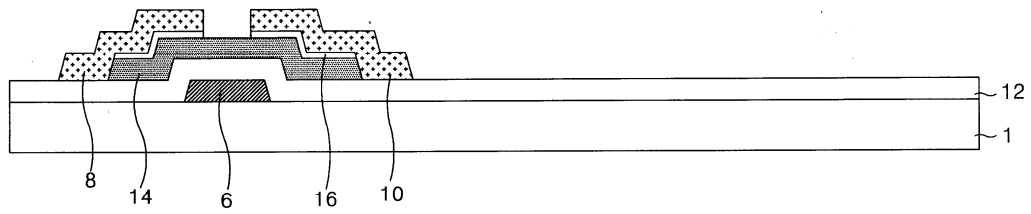




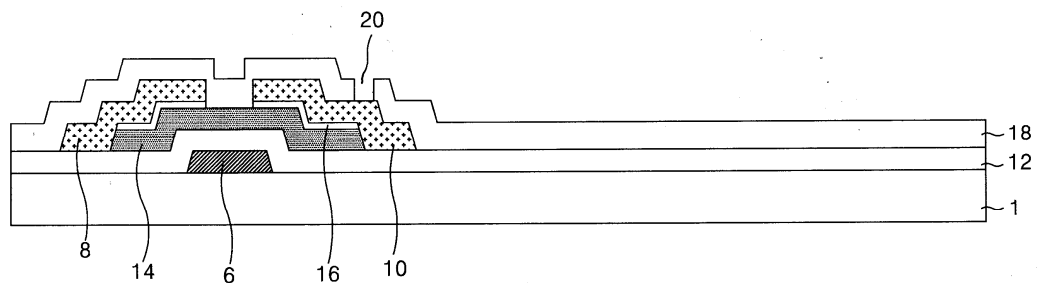
2b



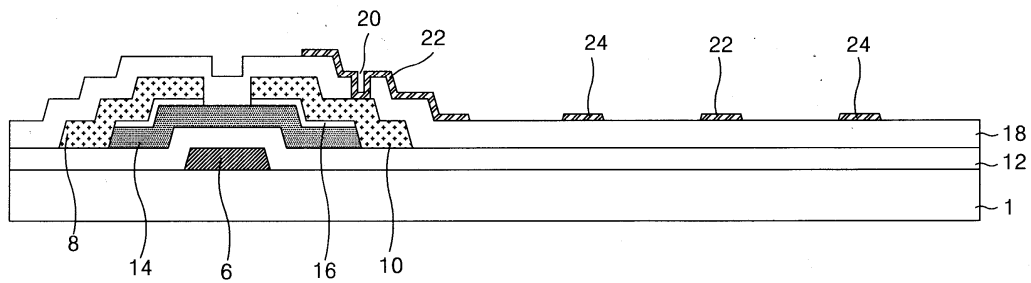
2c



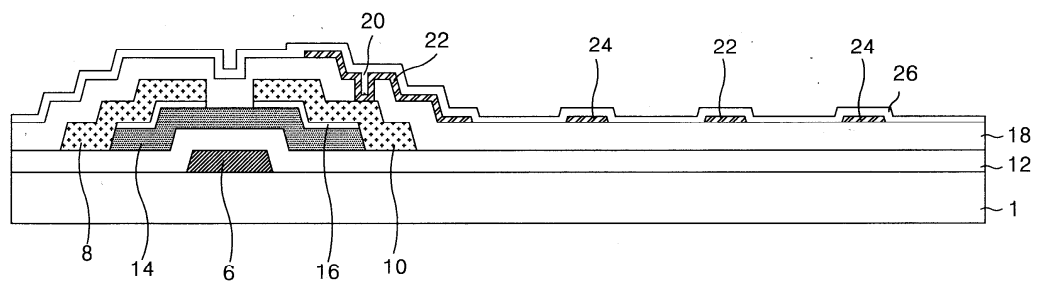
2d



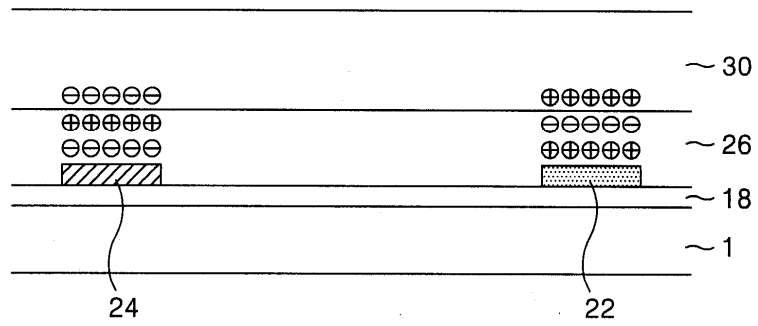
2e



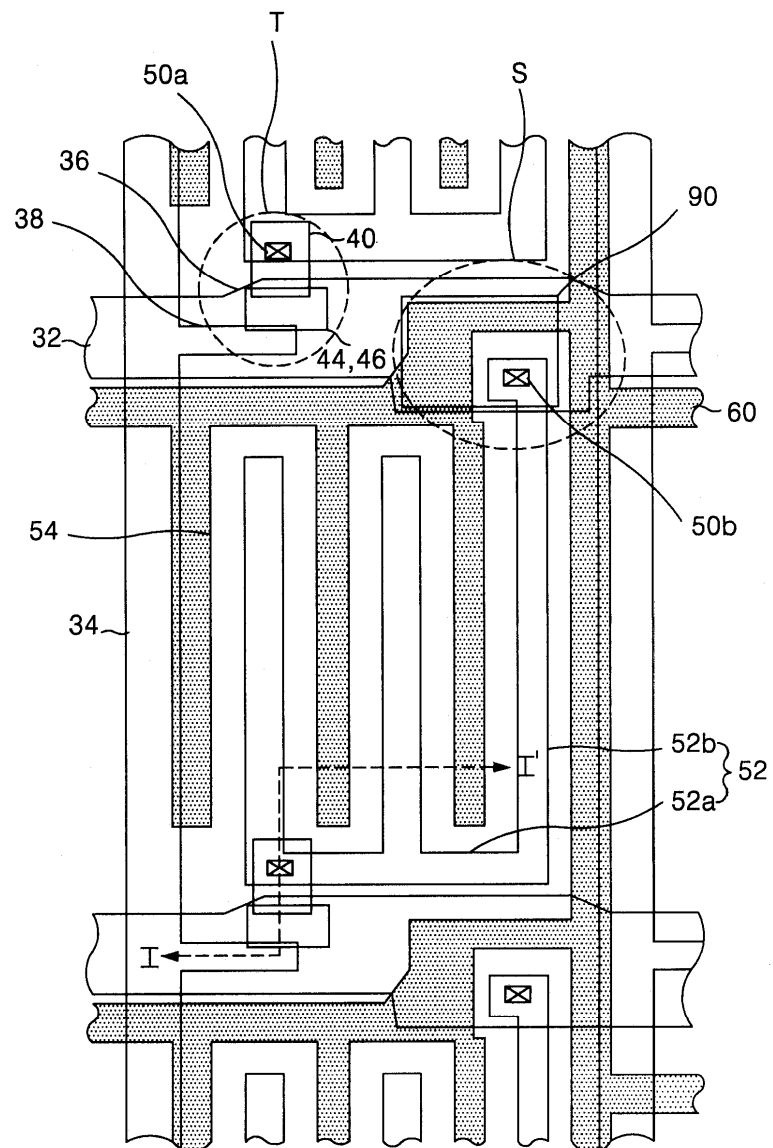
2f

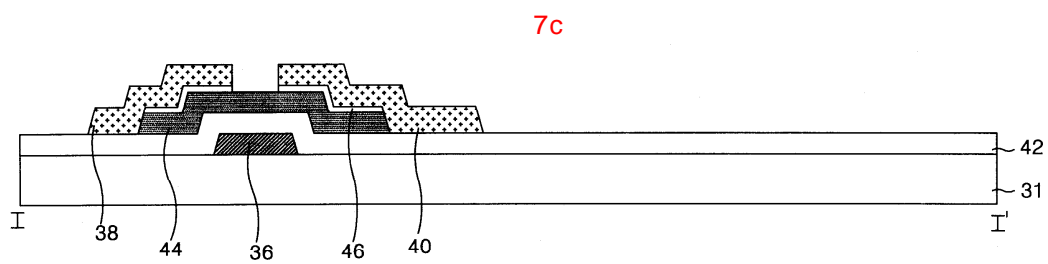
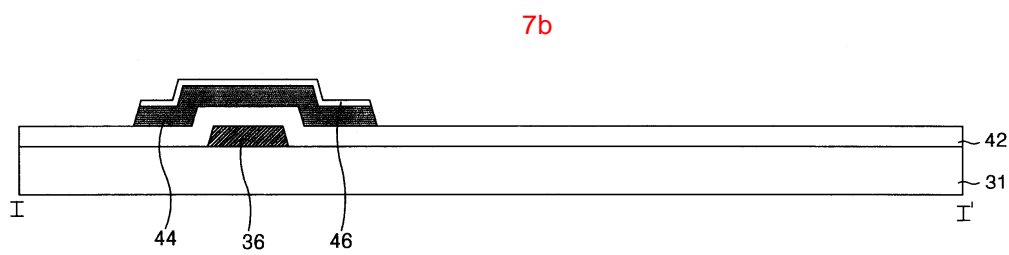
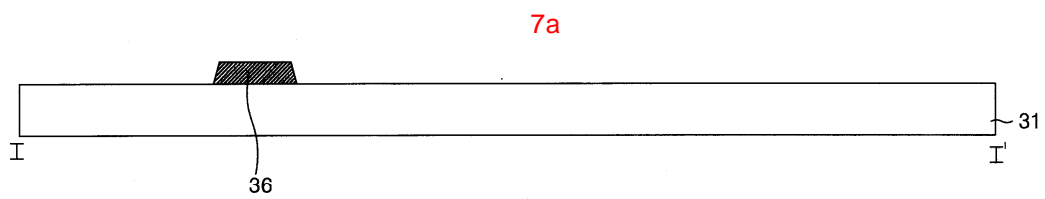
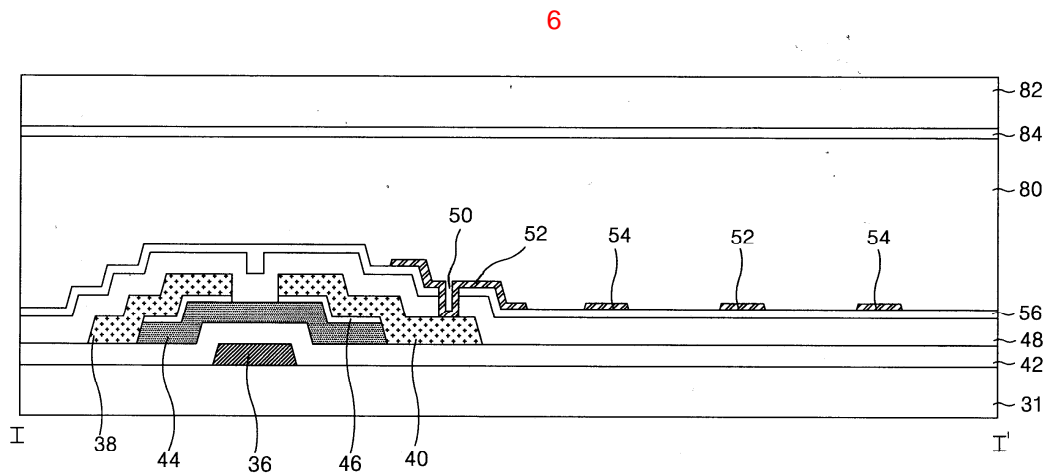
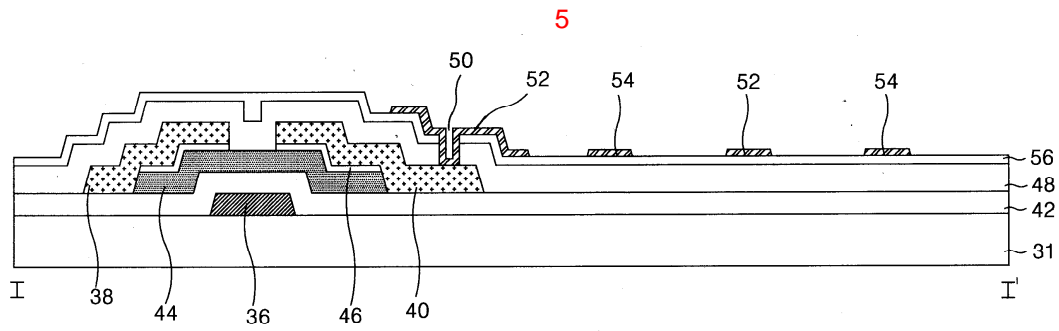


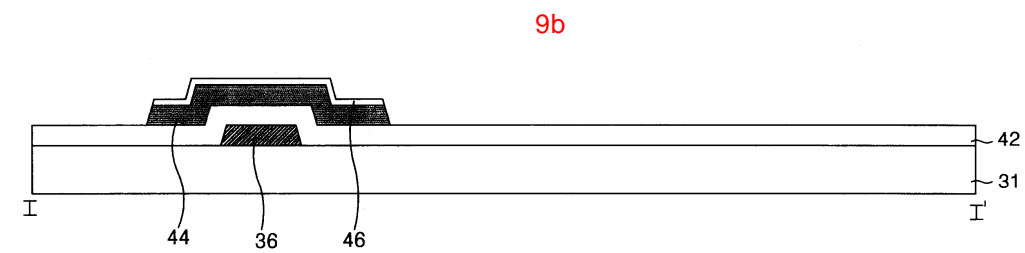
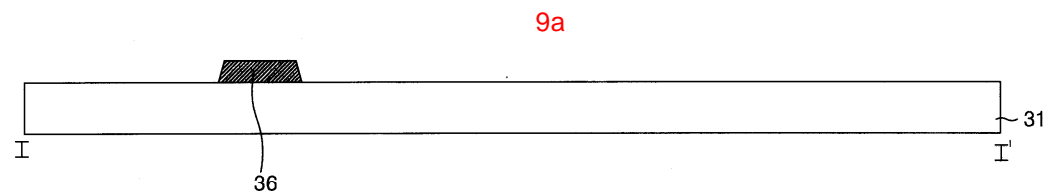
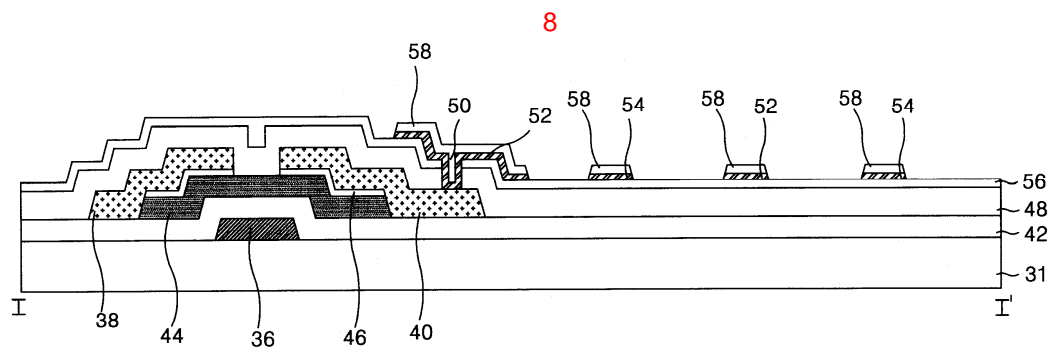
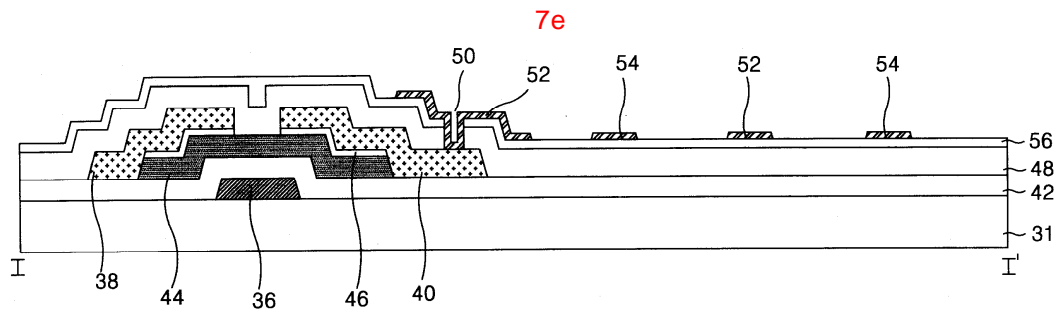
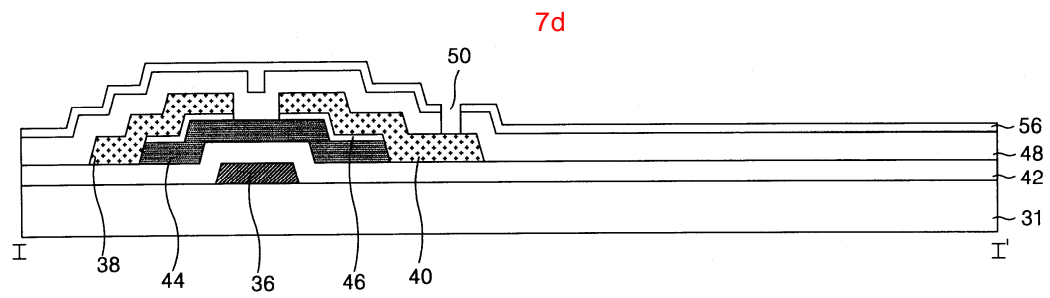
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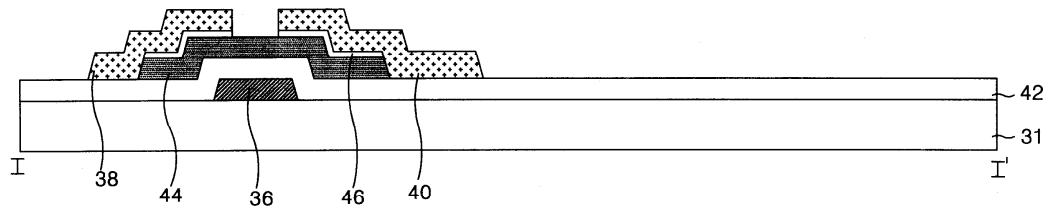
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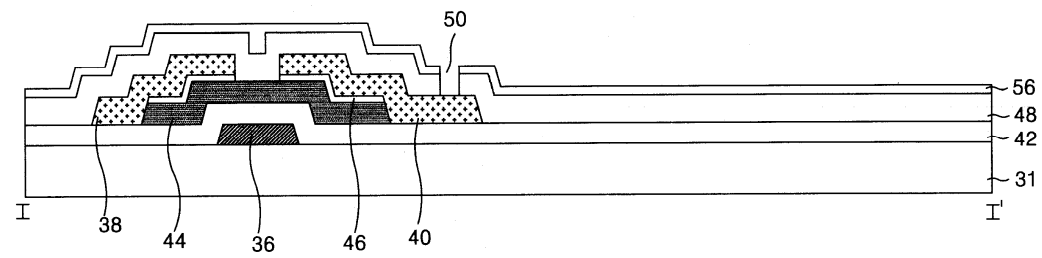




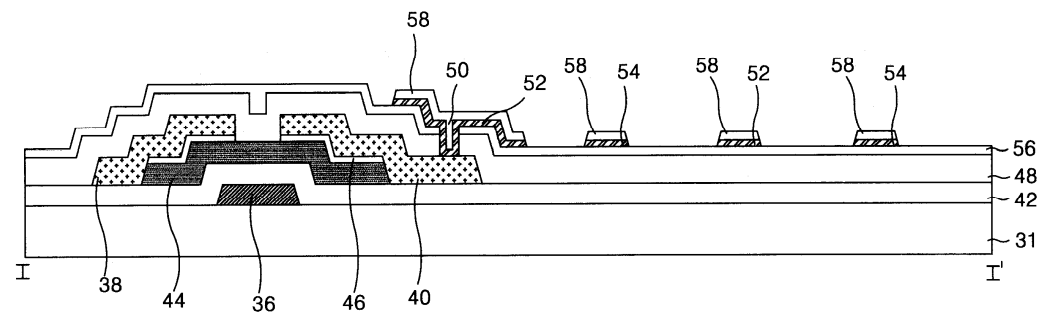
9c



9d



9e



专利名称(译)	液晶显示面板及其制造方法		
公开(公告)号	<a href="#">KR1020040082126A</a>	公开(公告)日	2004-09-24
申请号	KR1020030016776	申请日	2003-03-18
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	CHAE GEESUNG 채기성		
发明人	채기성		
IPC分类号	G02F1/1343		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

本发明涉及液晶显示面板及其制造方法，用于去除余像。根据本发明的LCD面板包括：液晶层，形成在彼此相遇的第一和第二基板之间；以及第一和第二取向层，分别形成第一和第二基板；以及第一和第二基板，其中形成第一和第二取向层，并且第一取向层和第一和第二驱动电极位于液晶层之间。

