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(87)

2002 01 03

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(30) JP - P - 2000 - 00193453 2000 06 27 (JP)

(71) 가 가

997

(72) 997 가 가

997 가 가

가 997 가 가

(74)

:

(54) T F T

(5) (6a)가 (2) (2) (6) (2), (6)  
, (7)

( , TFT )

TFT

7 (a) TFT 1 , 7 (b) TFT ,  
 7 (c) 7 (b) D-D , (1) , (2)  
 (1) , (3) (2)  
 (7) , (5) (2) (4)  
 (5) (7) (6) TFT가 , (8)  
 (9) (10) (6)  
 , (11)

, TFT , (1) Cr  
 , CVD , (2)  
 (4) (5) (5)  
 (6), (7) (3) , TFT  
 (8) (9) (10) , ITO  
 (8) , TFT

TFT (8) 가

8 , A , B , C  
 (7) 가 , (6) A가 TFT CP B가 C  
 CP HP A가 B C  
 (8) (feed - through) D , B가  
 , Vgd : , Cgd : , Cs : , C1  
 c :

$$V_{gd} = V \times C_{gd} / (C1c + C_s + C_{gd})$$

Cgd ) 가 , (2) (6) ( ,  
 TFT가 ( ,  
 ) , (2), (5), (7) (6) 가  
 (2) (6) Cgd가

(視認)  
(5)가

가  
(2) (6)

A가

Cgd

(6)

7 (6) TFT (5) TFT (11) (11) (2)  
가 가 가 (2)

2 - 10331

TFT

[ ]

TFT

TFT

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가

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TFT

가

[ ]

1 1 TFT

2 2 TFT

3 3 TFT

4 4 TFT

5 5 TFT

6 6 TFT

7 TFT

8

[ ]

< 1 >

TFT

, 1 (b)

1 (a)

1 (a)

A - A

1

TFT

, (1) , (2) (1) , (3) (2) , (7) (5)  
 (2) (4) (5) (7)  
 (6) TFT가 (8) (6a) (9)  
 (10) (6) (11) TFT

(11) (5) (6a) (2) TFT  
 (6)

Cr TFT (1)  
 (2) , CVD (4) (5)  
 (6) (6a), (3) Cr (7) , TFT  
 (9) (6a) (8) (10) TFT  
 ITO TFT (8) TFT  
 가

(11) (5) (6a) (2) TFT  
 (6) (6) (2), (6) (7)  
 (6) 가 TFT ( 7 (b) ) (2) Cgd  
 (2) (5) Cgd , Cgd TFT  
 Cgd

, (2) (5) Cgd , 1 (a) L1 (6)  
 가 (5) L1 5 $\mu$ m , (5)  
 , TFT (6) (4) 가 (2) (6a)  
 (2) (6) (6a)

< 2 >

2 2 TFT TFT ,

(6a)가 2) TFT (2) (6) 1 가 , (5) (6) (6a) (2) (6) (6) (5) (5) 1 . , ( )

(5) 1 TFT ( 1 (a)) (2) (6) 가 (2) (6) (6) (6a) (5) , (2) (5) (6) (6) (5) (6) (6) (5) Cgd (6) (2) .

, , Cgd 1 가 가 (6) (5) (2) (5) , 가 (6) ,

< 3 >

3 (a) 3 TFT TFT , 3 (b) 3 (a) B - B , (8a) (8) (6) TFT (8a) (8) (10) ( ) 6) (8a) 1 가 .

(10) TFT (6) (2) (5) (6) (8a) TFT (6) (8a) (2) TFT (11) (5) TFT ( 7 (b) ) (6) (8a) 가 (6) Cgd .

, (2) (5) Cgd , 3 (a) L2 (6) 가 L2 5 $\mu$ m L2가 5 $\mu$ m , (5)

< 4 >

4 4 TFT TFT , 3 가 (5) (8a) (2) TFT (11) (6) (6) (8a)가 (2) (2) (5) (8a) (5) 3 , (2) (6) (8a) .

8a) , 3 가 가 Cgd (6) 가 (5) (2) , 가 ( )

< 5 >

5 (a) 5 TFT TFT , 5 (b)  
5 (a) C-C . ,

(10) TFT (6) (2) (5) (6) (8a) TFT (8a)  
(2) (6) TFT (11) (6) .  
(2) TFT ( 7 (b) ) (8a) 가 Cgd

(2) (5) Cgd , 5 (a) L3 (6)  
(5) L3 5 $\mu$ m , (5)

< 6 >

6 6 TFT TFT . ,  
1) (6) 5 가 (8a) (2) TFT (1  
(2) (6) (2) (6) (5) (5)  
5 .

(5) (2) 5 가 가 Cgd (6)  
, 가

, 1 6 (6), (6a) (8a), (5)  
TFT (11) (6) , (6a) (8a) (2) 가

, TFT (2), (5) (6)  
150mV .

, 1 6 TFT , TFT  
, 가 TFT

가

TFT

(57)

1.

(7) (1) (3), (2), (5),  
 (6a) (7) (8) (6) TFT (4) (6)

(5) (6a)가 (2) TFT  
 (11) (6)

2.

(7) (1) (3), (2), (5),  
 a) (7) (8) TFT (6) (4) (6) (8)

(5) (8a)가 (2) TFT  
 (11)

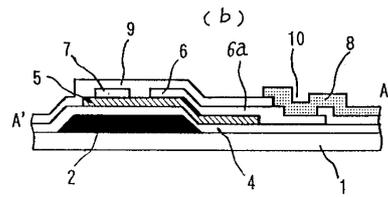
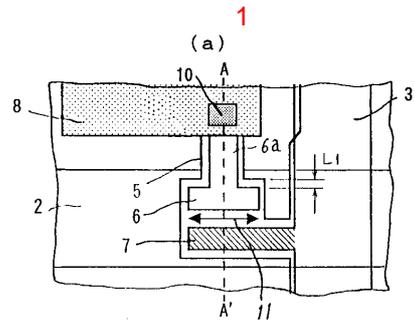
3.

(7) (1) (3), (2), (5),  
 (8a) (7) (8) TFT (6) (4) (6)

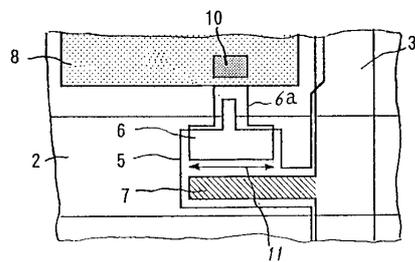
(8a)가 (2) TFT (11)

4.

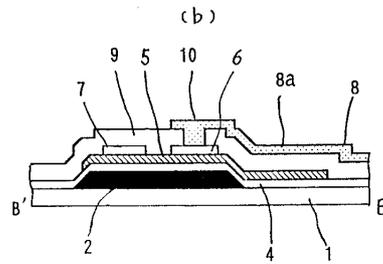
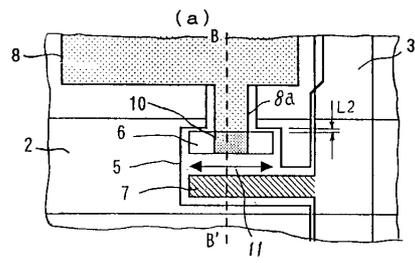
1 3 TFT



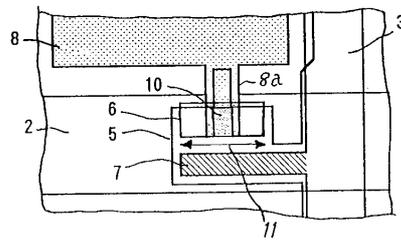
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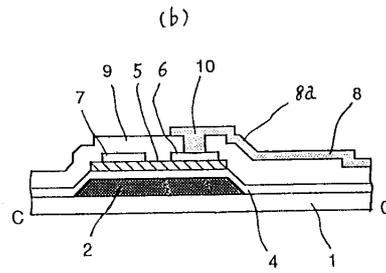
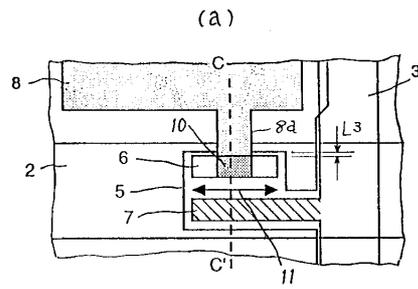
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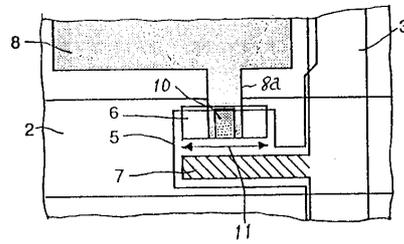
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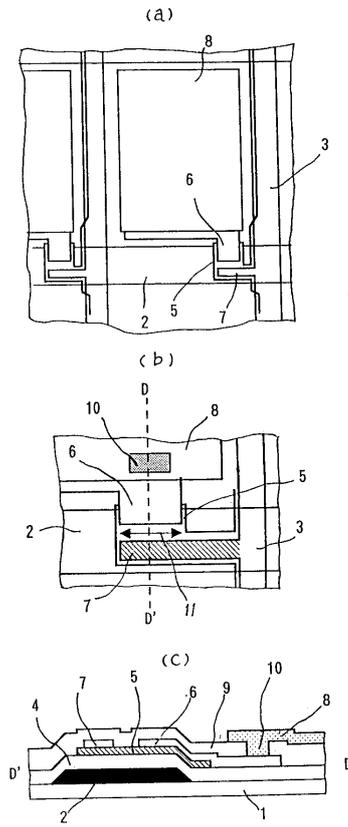
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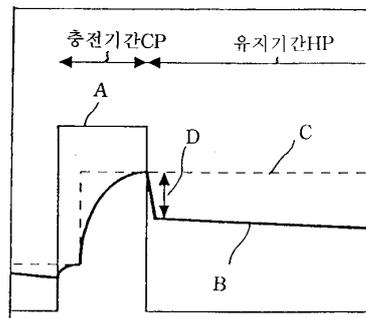
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专利名称(译)	TFT阵列基板和使用其的液晶显示装置		
公开(公告)号	<a href="#">KR1020020060153A</a>	公开(公告)日	2002-07-16
申请号	KR1020027000831	申请日	2001-06-11
申请(专利权)人(译)	可否让我有这一半的喷雾.		
[标]发明人	HASHIGUCHI TAKAFUMI 하시구치다카후미 YAMAGUCHI TAKEHISA 야마구치다케히사 NAKAGAWA NAOKI 나카가와나오키		
发明人	하시구치다카후미 야마구치다케히사 나카가와나오키		
IPC分类号	G02F1/136 G02F1/1343 G02F1/1368 G09F9/30 H01L27/12 H01L29/423 H01L29/786		
CPC分类号	G02F1/1368 H01L27/12 H01L29/42384		
代理人(译)	Yihwaik 권태복		
优先权	2000193453 2000-06-27 JP		
其他公开文献	KR100735853B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

使半导体层5和漏极布线6a的与栅电极2的端部重叠的半导体层5的部分的宽度窄于薄膜晶体管的沟道宽度，由此栅电极2和漏电极6并且，在对栅极布线2，漏极电极6和源极电极7进行图案化时使用的光刻板形成装置的未对准引起的重叠区域的偏差进一步减小，可以减少。 - 1 - 专利公开号2002-0060153

도면 2

