

(19) (KR)
(12) (A)

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G02F 1/136 (43) 2003 03 06

(21) 10 - 2001 - 0052908
(22) 2001 08 30

(71) . 20
(72) 108 1504
(74)

:

(54)

150 2 가 , 2
3
85
CD 2 TFT 가
/ /

3d

1a 1d
2a 2d

3a 3d TFT

21: 22:

23: 24A:

24B: - 24:

25: 26:

27,28: 1, 2 29:

30:

(TV , (thin film transistor : TFT) (UXGA)

Cr, Mo, MoW

3

(spiking)
(ITO IZO)

1a

1d

, 1a (1) TFT (2) TFT
(3) SiNx

, (3) (4A) - (n⁺ - doping)
(4B) TFT (2) (4)

, (5), (6) (7)
(5) VI 3A Cr, Mo, MoW Ti
(6) (4) (3) (7) VI 3A Cr, Mo, MoW T

i (6) (9)

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, 1b TFT (5), (6)

(7) (2) (4A) / (7) 3 ,

(5), (6)

.

, 1c (8) SiNx TFT (7) 가

(7) 가

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, 1d (9) TFT

(7)

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,

/ / 3

가

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2

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1 , ;

2 2 1 가

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2

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2a 2d

.

, 2a (11) 1 (12), (13)

(14) , (13) VI 3A Cr, Mo, MoW Ti

(14)

.

, 2b (14) (13) 2

(13) Mo², Cr, MoW, Ti¹ (12) 가 (15) (14) (13) 2

, 2c 2 (16) (15)

, 2d (14) (13) (17) (15) (13) (17)

, (14) (17) 2, 3, 8

5 (14) 150 (sputter) 2

, 3a 3d TFT

, 3a (21) TFT (22) TFT (23)

, (23) (24A) (24B) (22) (24)

, 3b (22) (24A) 가 (25) (26) TFT (23) 가 1 (27) 2, Mo (25) (26) (25) 2

Cr, MoW Ti¹ (26) (28) (26) (25) 2

, 3c (29) 1, 2 (27,28)

2, 3d (27,28) (26) (30) (25) 1, TFT

150
 3
 85
 2
 가
 /
 CD
 TFT
 가 .

(57)

1.

가
 1
 2
 ;
 2
 1
 ;
 2
 1
 ;

2.

1 , Cr, Mo, MoW Ti

3.

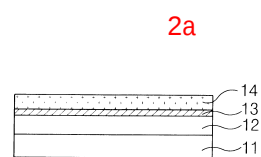
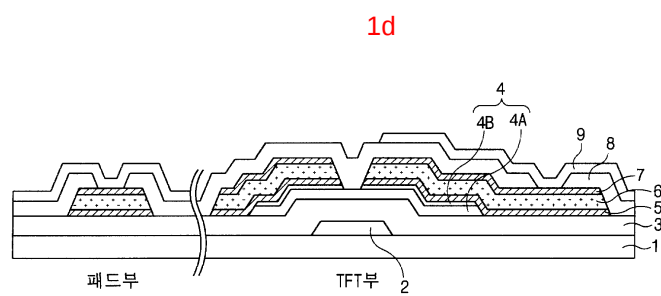
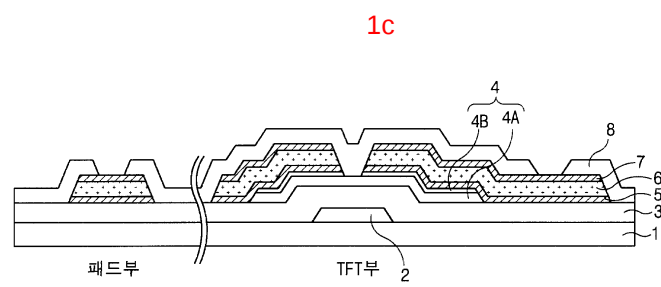
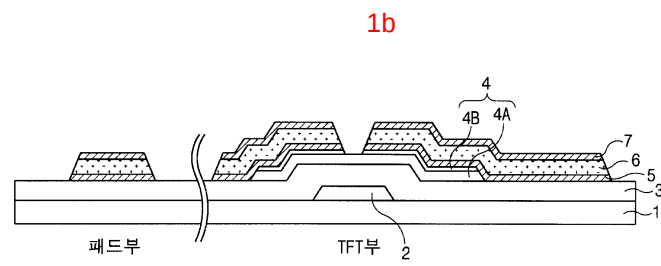
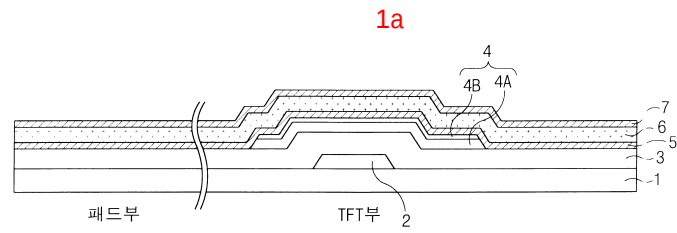
1 2 , Mo 1 .

4.

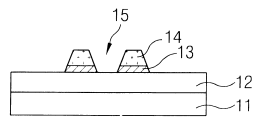
1 2 , Cr, MoW Ti

5.

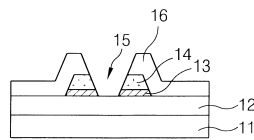
TFT TFT ;
 FT 가 가 / T
 가 2 가 1 2 ,
 1, 2 ; 1, 2
 ;



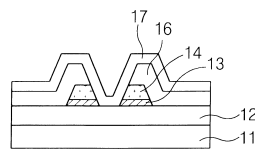
2b



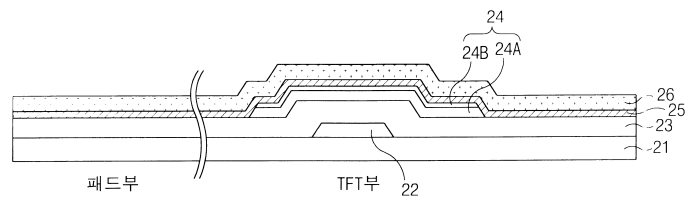
2c



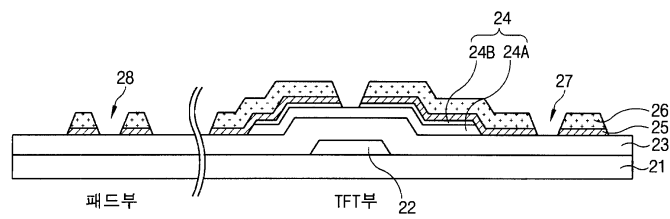
2d



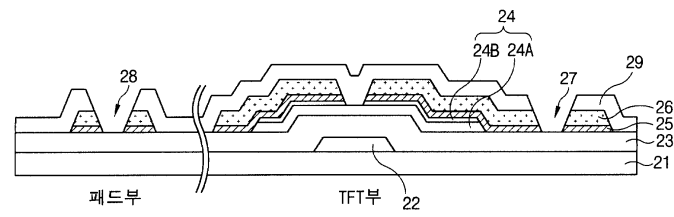
3a



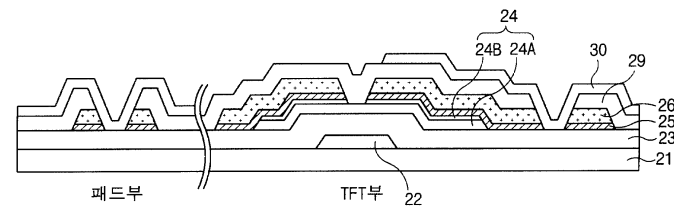
3b



3c



3d



专利名称(译)	形成液晶显示元件数据线的方		
公开(公告)号	KR1020030018667A	公开(公告)日	2003-03-06
申请号	KR1020010052908	申请日	2001-08-30
[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	LEE HUKAG 이후각		
发明人	이후각		
IPC分类号	G02F1/1362 G02F1/136		
CPC分类号	G02F1/136286 G02F1/13458 G02F2001/136295		
代理人(译)	PARK , JANG WON		
外部链接	Espacenet		

摘要(译)

本发明涉及一种形成液晶显示装置的数据线的方法，并且可以在将双数据线层施加到数据线的同时将透明电极的接触电阻保持在与传统电极相同的水平，通过形成双数据布线层，可以将约150秒的溅射时间减少约150秒至约85秒，从而提高产量并降低制造成本。数据布线层作为金属层施加在TFT部分的源/漏区中，从而具有改善源/漏区金属层的CD偏压的副作用。 图3d

