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(71)

416

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2 186-268

113 1901

1052-2 APT242 1104

(74)

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(54)

(trench)

1
2
1
1
2
2

1
가
가
1
2

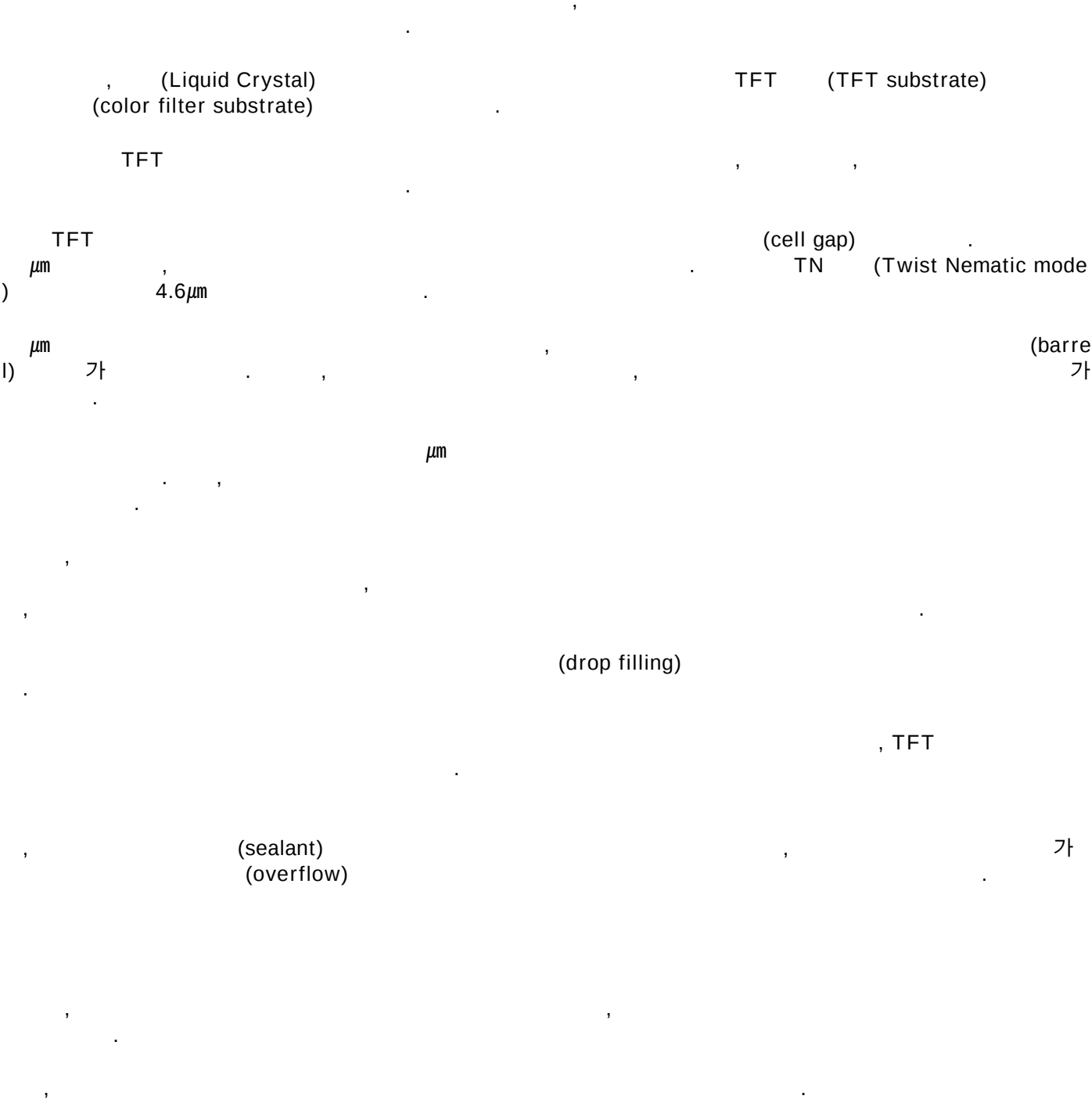
1

1
2a 2f 1

* *

100 : 1 130 :

160 : 200 : 2
220 : 230 :
230a : 300 :



, 1 ; 1 가 ,
 , ; 1 2 ; 2 가 ,
 가 , ;
 , 1 2 ; 1 2
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 , 1 ,
 1 ; 2 ;
 2 ; ;
 ; 가 , 1 2 1 2
 ; .
 ,
 , .
 ,
 1 .
 1 , 1 (100), 2 (200), 1 (100) 2 (200)
 (300) .
 1 (100) 1 (110) 1 (110) (130a) 1
 (110) (130b) (130) .
 (130) 1 (110) ,
 , , .
 (130) ,
 . (130) ,
 , , , 가
 .
 (130) 가 0.1 μ m ,
 , 가 0.5 μ m .
 2 (200) 2 (210) TFT(), 2 (210) TFT
 (220), (220) TFT (230) .
 (220) 1 (110) ,
 . , (R), (G), (B) , 가
 , , 가
 (300) 가 , 가
 , (Nematic mode) 가
 .
 , (230) 1 (100) (130a) (230a)
 . (230a) (160)가 .

(230) (230a) (160)

(100) (130a) 2 (200) (220) 'd'

(unfill)

(100) TFT 2 (200) (220) (Assembly)가

TFT (220) (Assembly Miss) COA COA TFT

가 COA(Color Filter On Array)

TFT가 COA(Color Filter on Array)

TFT

2a 2f 1

2a , TFT()가 1 (110) (130)

(130) 1 (110) (130a) (130b)

() (130) (TMAH) (130)

(130) 1 (110)

(130) (130)

가

(130) 가 0.1 μ m

가 0.5 μ m

(130) (110) ()

2b , 2 (210) (220) (220)

(Jetting Dispensing) (220)

(220) 2 (210) (R), (G), (B) 가

(220)가 2 (210) (curing) 1

(furnace) () 110 115 (hard curing)

(pre curing) , 130 18

10 140

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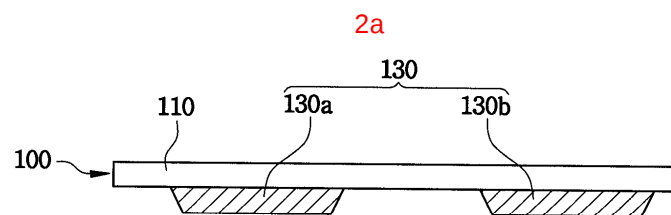
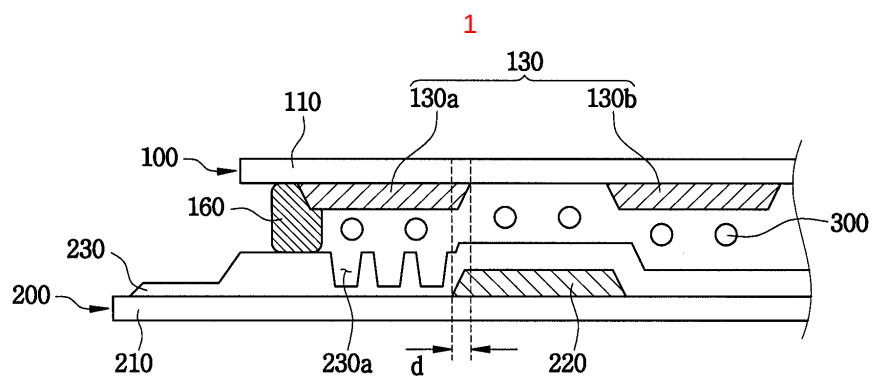
2c, (220) 2 (210) (230) .
 (220)가 (130) (230) (220) 가, (220)가 (230)
 , 2d 2a, (230) (230a) . (230a)
 (230a) 1 (110), 1 (110) (130a)
 , (230) .

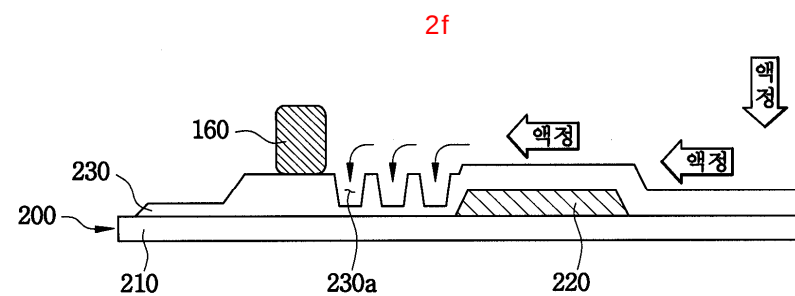
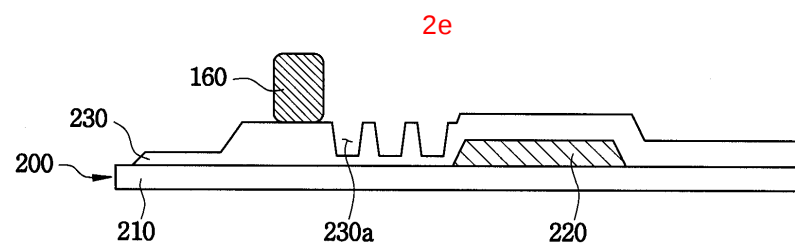
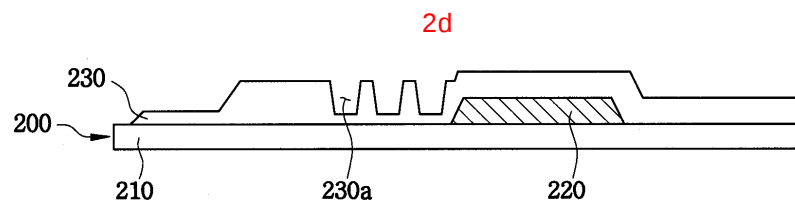
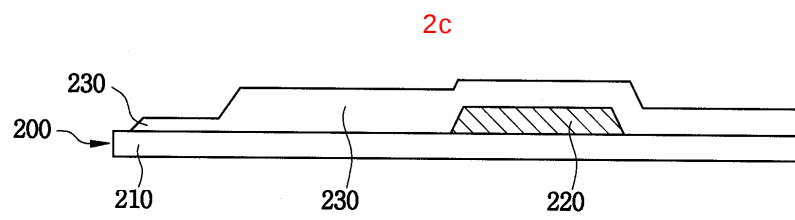
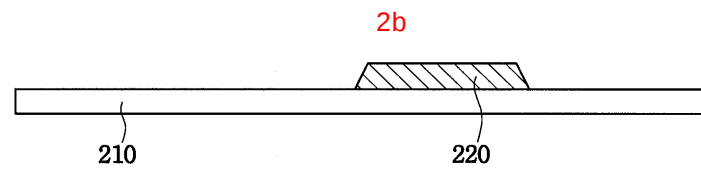
2e, (300) (160) . (160)
 (130) .
 , (230a) (160)가
 , 2f, (160) .
 (300) (300) (300) (drop) , (160)가 (230) (230a)
 (300) (230a) 가 . (160)가
 1, 1 (100) 2 (200) 1 (100) 2 (200)
 , 2 (200) (220) (130a) 'd'
 (130a) .

(57)

1. 1 ;
 1 가 , 1 ;
 1 2 ;

2 가 ,
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1 2 , 1 2
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1 2 .
2.
1 , .
3.
1 , .
4.
1 , 1 ;
2 가 ,
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2 ;
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1 2 ;
가 ;
1 2 .





专利名称(译)	液晶显示装置及其制造方法		
公开(公告)号	KR1020050000185A	公开(公告)日	2005-01-03
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IPC分类号	G02F1/1333		
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其他公开文献	KR100995574B1		
外部链接	Espacenet		

摘要(译)

用途：提供LCD（液晶显示器）和制造LCD的方法，以通过在对应于相应部分的部分处形成具有沟槽的有机层来执行液晶分配工艺时延迟液晶和密封剂的接触。外屏蔽层，从而防止密封剂污染并改善LCD的显示质量。

