

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl.7
G02F 1/1339

(11)
(43)

10-2004-0101087
2004 12 02

(21) 10-2004-0036619
(22) 2004 05 22

(30) JP-P-2003-00146093 2003 05 23 (JP)

(71) 가 가 가 , . 1753

(72) 가 가 가 1753 , .

(74)

:

(54)

가 , TFT ()
TFT , TFT (100)
TFT , 가 가 TFT
TFT , 가 가 TFT

TFT , , , ,

1 TFT 1 .

2 1 I-I .

3 1 II-II .

4 1 III-III .

5a , , TFT

5b .

>

100 : TFT

101 : 1

102 :

103 :

104 :

105 :

106 :

107 :

108 :

109 :

110 :

111 :

112 :

113 :

114, 214 :

200 :

201 : 2

220 :

251 :

252 :

253 :

254 : (柱狀)

, 2

(TFT)

가

TFT

가

TFT

가

(rubbing)

가

11-218771 (1999

)

(shade)

가

(black haz

e)

TFT

()

()

1, 2, 1, 2
 1, 1, 1, 2, 2, 2
 2, 2, 2
 가, 2, 1, 가
 1, 1, 가
 1, 1, 1, 1
 1, 1, 1, 1
 1, 1, 1, 1
 1, 1, 1, 1
 가, 1, 1, 가
 가, 1, 가, 2
 < >

1 4
 (102), (103) (103) (101), 200 400nm (102) (104) (105) (106)
 (103) (104) (102) 300 500nm (104) (105) (106)
 (107) (107) (108)
 (102) 200 400nm (109) (109), (10)
 () (109) (109) 1 (110) (111)
 (1, 3) 30 50nm ITO TFT가 (106) TFT (102) ()
 가 2μm 가 (novolac) (106) (102) ()
 (102))

(112) , 120 160
 (112) (bake) , (112) 220 260 가
 (112) 30 50nm ITO
 (113) 1 , (113) (108) ITO
 (113) (106) (109) (112)가
 (106) 8) (106) (106) (106) (113) (113) (10) (106)
 (113) 가 가
 2 4 TFT (100) , TFT 40 60nm (114)
 (114) TFT (100)
 가, 2 4 (200) 2 (201), 1.0
 1.5 μ m 0.8 1.3 μ m (251), 1.5 2.0 μ m (252),
 (253)
 (254) (253) 1.7 2.3 μ m
 (254) (214) (200) , (254) 40 60nm
 (200) (254)가
 , TFT (100) (200) (254) 가 (214) TFT (100)
 (114) (102) , 1 2 (103) (254)
 (103) (254) (102) , TFT (100) (103) 2.5 μ m
 114) (254) (102) (254) (254) 가
 (black haze)' 가
 (102) (254) (200) (214) (214) (BM)(251)가
 (254)가 TFT (102) (103)
 FT (100) (254) TFT (254) T (254) T
 (114, 214) (254) TFT (100)
 (114, 214)
 (1) 5a (114) (114, 214)
 (2) , 5b , 2
 가
 , 2 가

2 ,
1 가
1

2.
1 ,
1

3.
1 ,
2 1

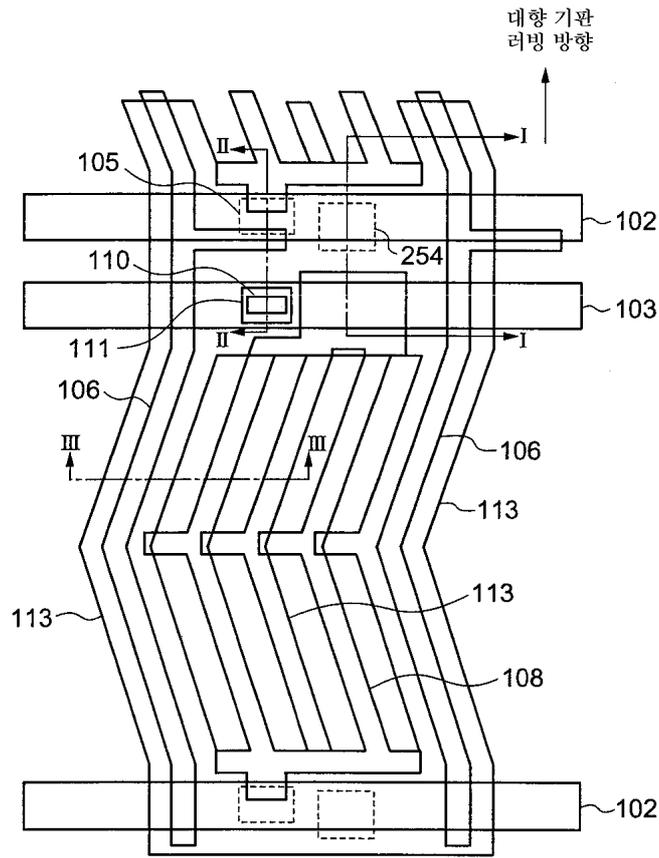
4.
3 ,
2 2

5.
1 ,
1 , 1 1
1 1

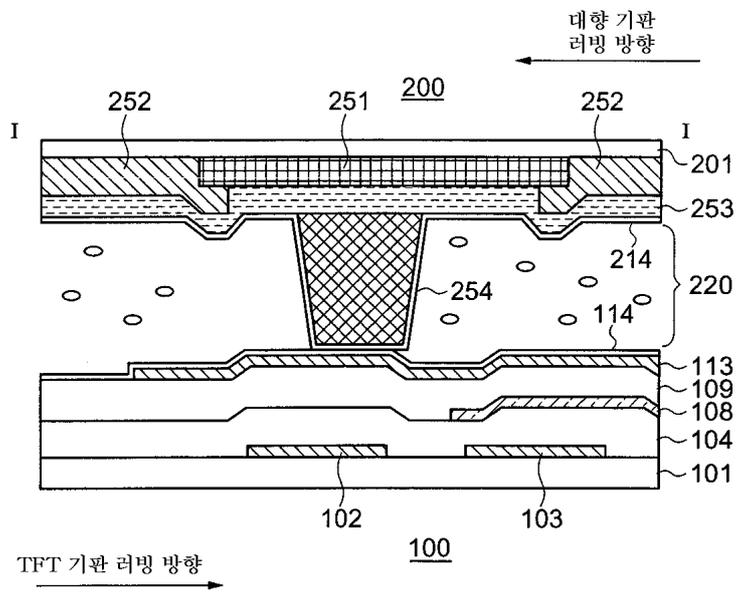
6.
5 ,
1 1 가 ,

7.
1 ,
1 가 , 2

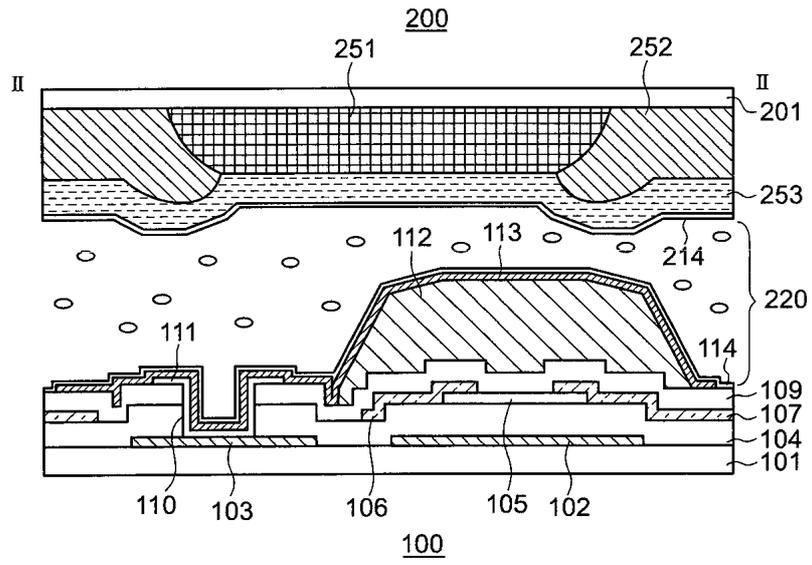
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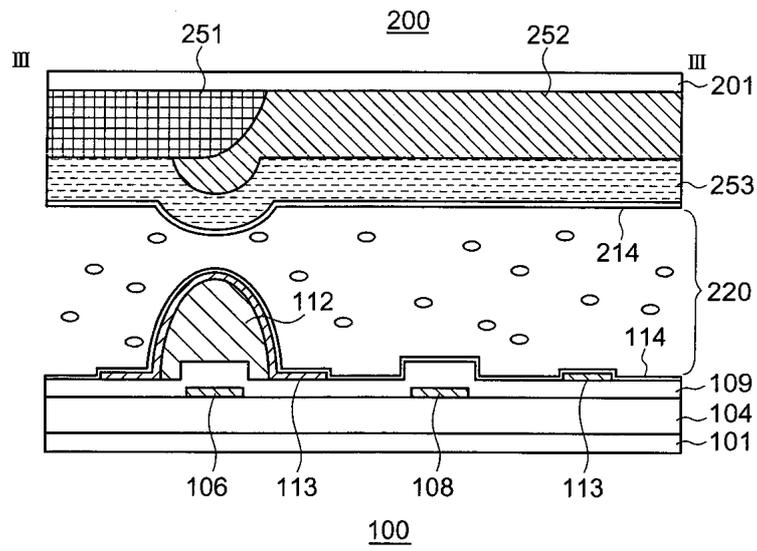
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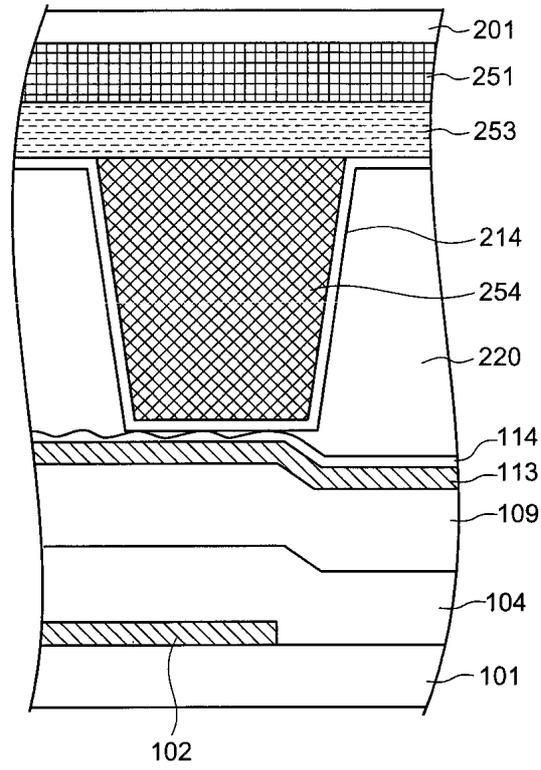
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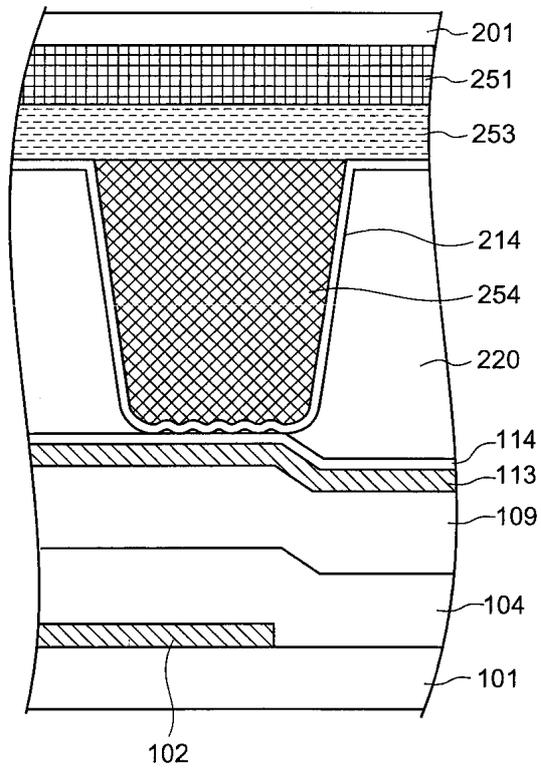
4



5a



5b



专利名称(译)	液晶显示器		
公开(公告)号	KR1020040101087A	公开(公告)日	2004-12-02
申请号	KR1020040036619	申请日	2004-05-22
[标]申请(专利权)人(译)	NEC液晶技术株式会社		
申请(专利权)人(译)	日元号技术可否让这个夏		
当前申请(专利权)人(译)	日元号技术可否让这个夏		
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IPC分类号	G02F1/1339 G02F1/1333 G02F1/1368 G02F1/1343		
CPC分类号	G02F1/13394 G02F1/134309 G02F2001/13396 G02F1/133707		
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优先权	2003146093 2003-05-23 JP		
其他公开文献	KR100658544B1		
外部链接	Espacenet		

摘要(译)

用途：提供一种液晶显示器，以消除取向膜摩擦的影响，并消除由于柱状衬垫和TFT基板表面之间的摩擦力引起的黑雾。

