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(73) 가 가 가 , 1753

(72) 5-7-1 가 가
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5-7-1 가 가

(74)

:

(54)

(a) 1 (14) ; (b) 1 (14) 2 (20) ; (c)
1 2 (14 20) (12) ; (d) 1 (14) (16); (f) 1
15); (e) 1 (14) (15) (19); (16)
(14) , (19) (16)
(compensation layer; 17a, 18) . (19) (16)
(17a, 18) 1 (14) (19)

1
2 1
3 1
4 3
5 3
6a 3
6b 3
7a 7d 3
8a 8b
9a 9b
10a
10b
♥
14 : 1 15 :
16 : 17a : 1
17b : 2 18 :
19 : 19a :
20 : 2

(viewer)

가
(back light source)
가
1
1
(4), (2)
(2)
(8)
(4)
(8)
(8)
(6)
(1)
(8)
(1)
(4), (2)
(2a),
(5)
(8)
(4a),
(4a),
(5)
(1)
(8)
(1)
(4)
(1)
(2), (3)
(6), (7), (7)
(6), (7)
(3)
(6)
(2)
(2a)
(9)
(8), (9)
(4b)
(6)
(passivation layer)
(6)
가

2
2
(2) (6) (9) (9) (4) (Lra) (8) (4) (3) (6) (4) (2) (Lrb)

(1) (Lia Lib) (4) (3) (2)

(Lra Lrb) (3) (6) (4) (Lrb)

가 가 가 (Lrb)

가

가

가 (a) 1 (d) (g)

b) 1 2 (c) 1 2 (a) 1 (d) (g)

1 (f) 1 (compensation layer) 1 (e) 1 (g)

1 1 2 1 2

1 2 (a) 1 1 (b) 1 2 (c) 1 2 (e)

3 3 (13), (11) (10) (11) (12) (TFT) (16) (16) (14), (18)(14), (17b), 1 (17b) (18), (19) (18) (18) (18a) (17b) (18) 2 (17b) (19) (13) (19) (20), 2 (20) (12) (11) (10) (11) (17a) 2 (17b) (17a) 1 (17a) (17b) (17a) 2 (17b) (17a) 1 (17a) (17b)가 4 (17a 17b) (18) 1 2 (17a 17b) (19)

) 1 (18) (17a)가 (16) (18) 1 2 1 (17a) 2 (17b)
 (18) , 2 (17a 17b) , 2
 (17b) (16) 1 (17a) (18) 3 ,
 (18) 5 , 1 (17a) (18) 1 (14)
 (19) (13) (12)
 5 (13) (12) ,
 5 (10) (Lia) (13) 가 (12) (11)
 , (19) (12) (Lra) (13)
 2 (Lib) (13) 가 (12) (11)
 (16) (Lia) □n×Da , □n (12) Da
 (19) (13) Db 2 □n×Db □n (12)
) (13) (19) , Da Db
 , (Lia) (Lib) 2 (□n×Db)
 , 1 (16) (□n×Da) (Lrb)
 가 (10) (16) (19) (19) (16)
 6a (10) , 6a (16) (19) (19) (18)
 , (19) (19) (16) (19)
 , (19) (16) (19) (10) 가
 , (10)
 6b (10) (16) (19) (18)
 6b (19) (19) (16)
 , (19) (19) (16) 1
 7a 7d (10) , (15) (16) 1 (14)
 , 7a (17a)가 (16) 2 (17b)가
 1 , 7b 1 (14) 2 (17a 17b) (15) (16)
 , 1 (14) (organic resin)
 , 7c (18) 1 2 (17a 17b) ,
 (18a) (15), 1 (14) (18a) (15)
 1 (17a) (18) 가 (19) (raised portio
 ns) (18) (19) (18a)
 , (19) (19)
 , (19) (19)
 7d (10) (19)
 8a 8b (22) (19a) 8b
 , 8a (19a) (22) (19a)
 , (19) (16)

9a 9b (10) (19) (22) (22) (22)
 9a (19a) (16) (22a) 가 (19) (19) (22)
 16) 가 (19a) 9b (19) (19) (22)
 16) (22) 9b (19) (16)
 (22) 1 (17a) (18) (19)
 10a 10b 1 2 (17a 17b)
 10a 4 μ m 1 2 (17a 17b) 7 μ m
 2.2 μ m 가 10b 10 μ m 1 2 (17a 17b)
 17a 17b) 13 μ m 2.8 μ m 가 (17a 17b) 1
 (17a) 1 2 (17a 17b) 2 (17a 17b) 1
 1 2 (17a 17b)가 (17a) 1 (17a)
 2 (17b) 2 (17b) 가
 1 (17a) 2 (17b) 가
 1 (16) (19) (16) (10) (18)
 (17b) 1 (10) 1 (17a) (18) (18)
 2) (16) (16) (16) (18) (19)
 (16) (16) (18) (19)
 (10) 1 (17a) 1 (17a) (18)
 (19) (18) (19) (16)
 10) (10) (Lrb) 가 (18)
 (10) 가
 (10) (15)가
 가 (15) 1 (17a) (18) Da Db(5)
 (16) 1 (17a) (18)

(57)

1.

- (a) 1 ;
 (b) 1 2 ;
 (c) 1 2 ;
 (d) 1 ;
 (e) 1 ;

- (f) 1 , (19);
 (g) , ,
 가
 (inclining portios) ,
 .
 2.
 1 ,
 가 , 1
 .
 3.
 1 , 1 ,
 .
 4.
 3 , 가
 .
 5.
 4 , 가
 .
 6.
 4 , ,
 .
 7.
 1 6 ,
 .
 8.
 1 6 ,
 .
 9.
 10.
 3 , 1 2 ,
 .
 11.
 10 1 ,
 .
 12.
 11 1 ,
 .
 13.
 1 ; 1 2 ; 1 2 ;
 1 ,
 ,
 (a) 1 ;
 (b) 1 2 ;
 (c) 1 2 ;
 (d) ;
 (e) ,

(raised portions)
가 ,
(inclining portions)
,

14.

13

(e) :

(e1)

(e2)

(e3)

15.

13

1

2

16.

13

15

17.

13

15

18.

13

15

19.

18

1

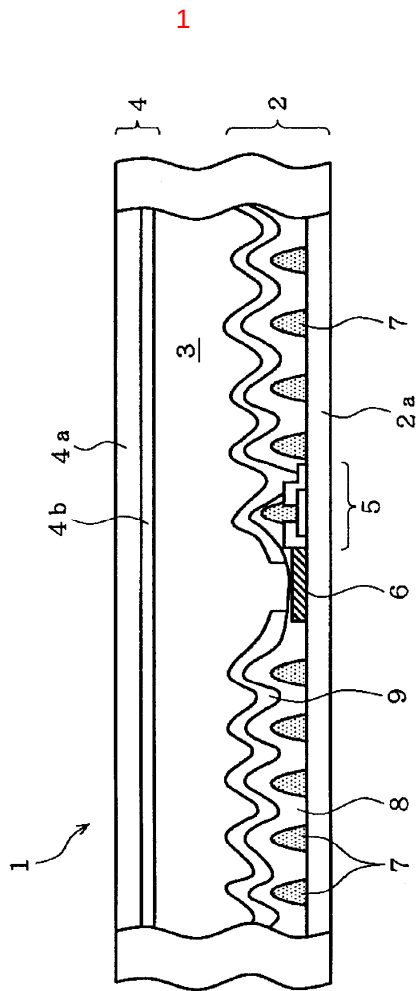
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1

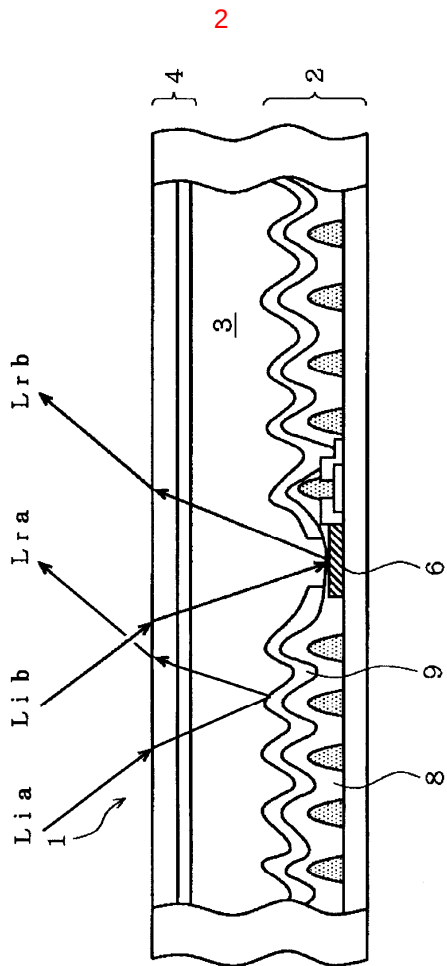
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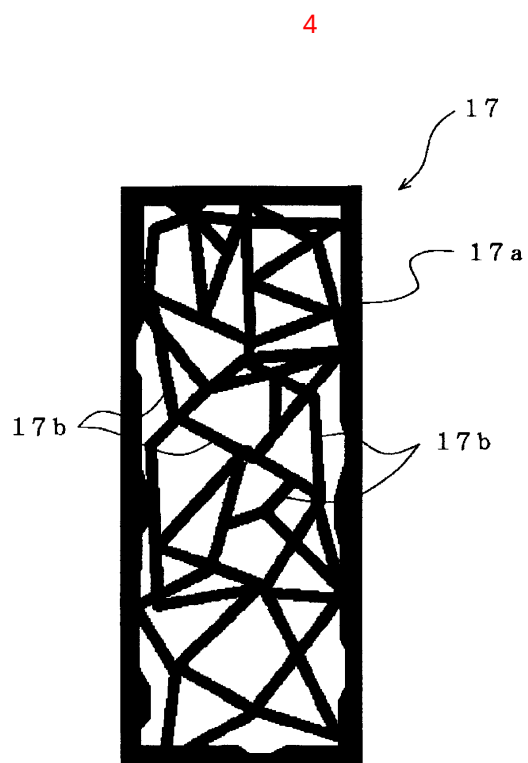
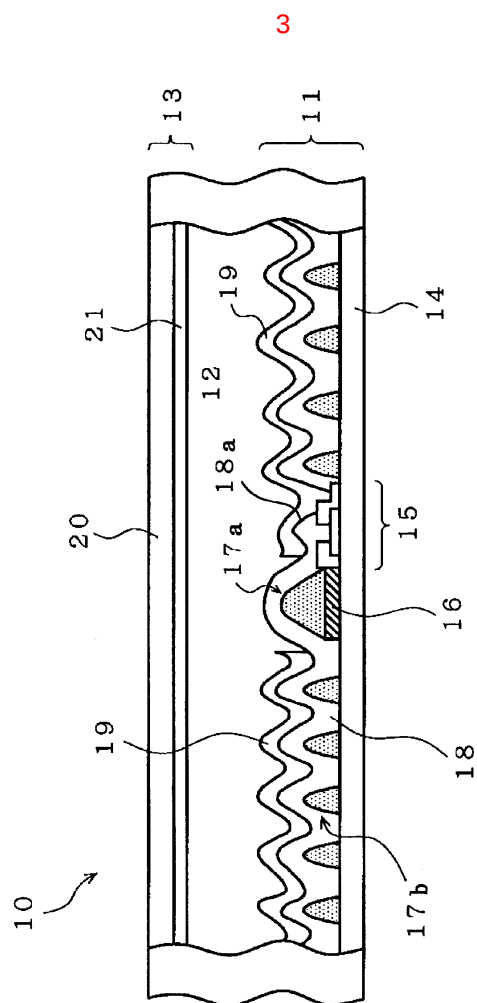
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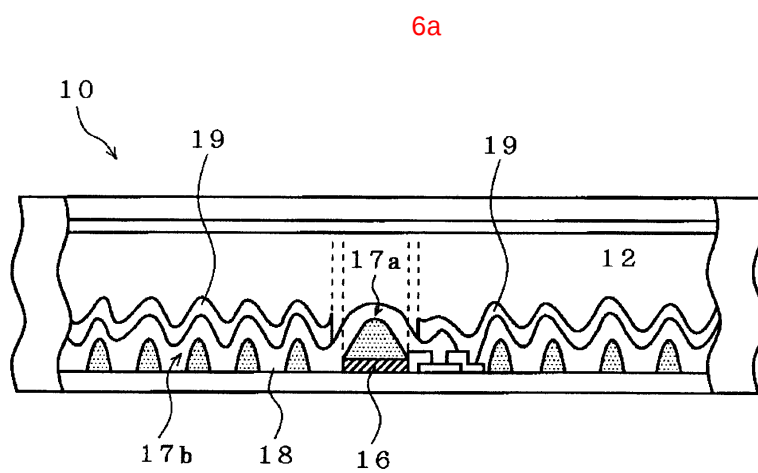
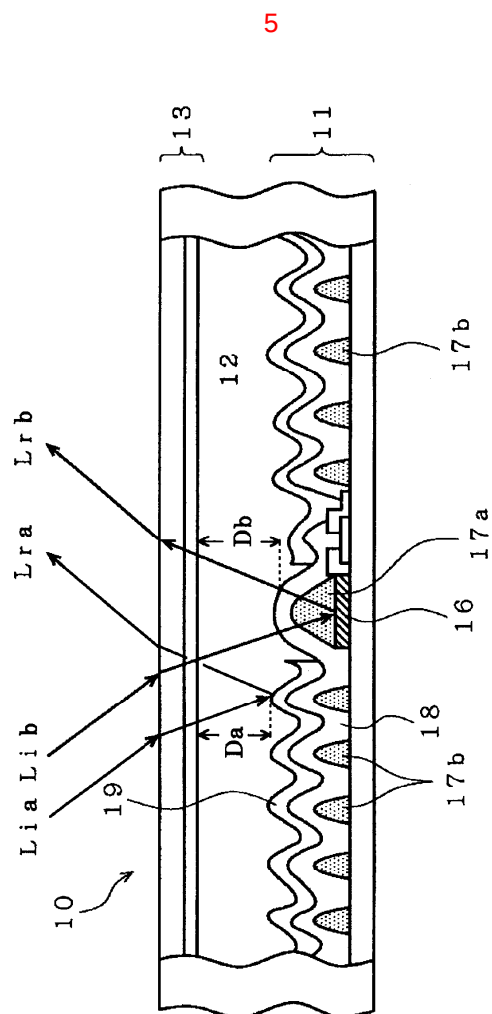
증래기술



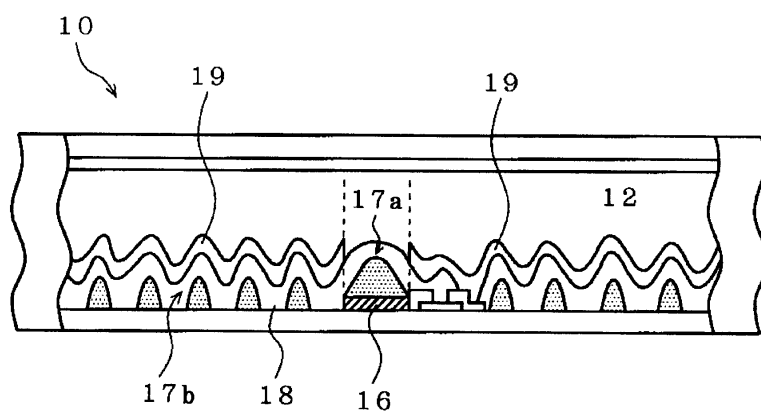
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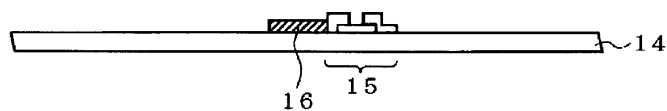




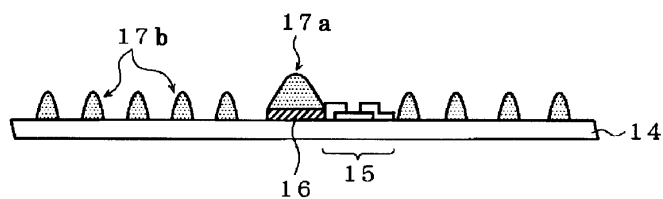
6b



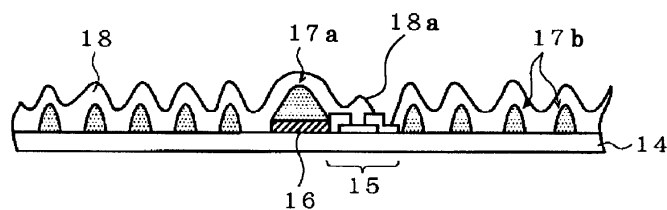
7a



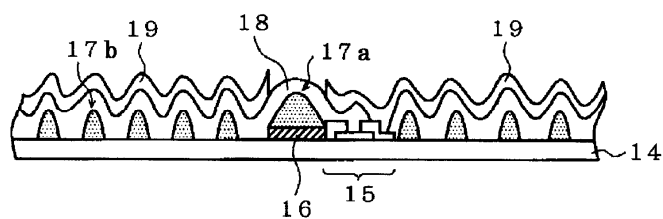
7b



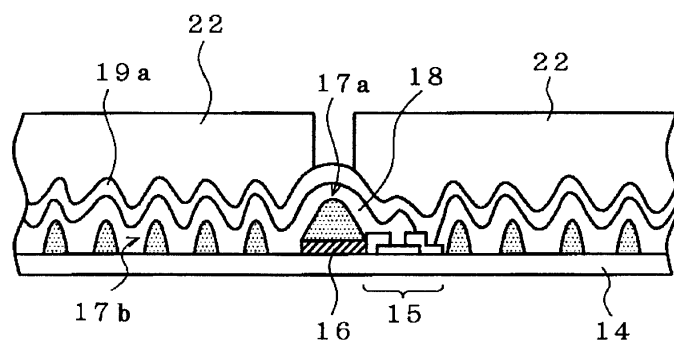
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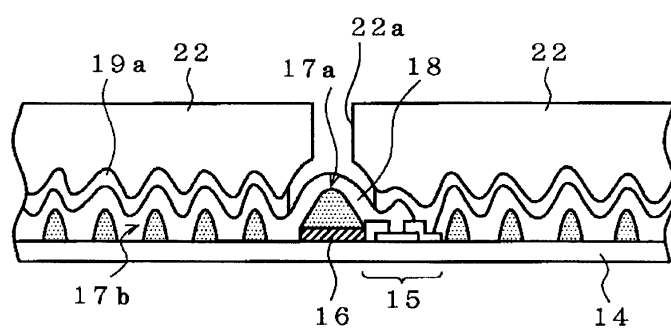
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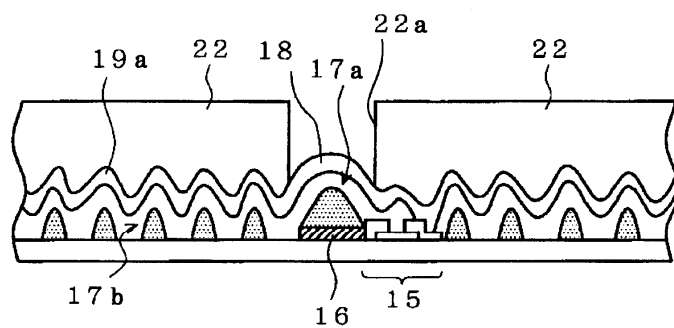
8a



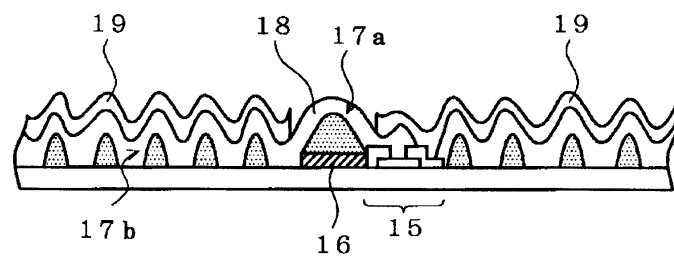
8b



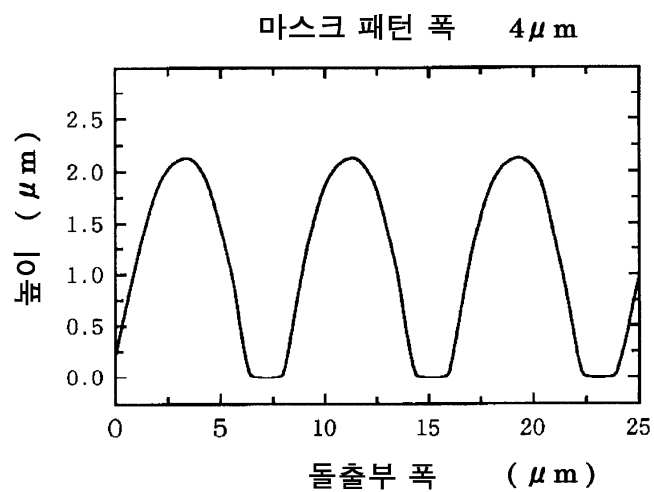
9a



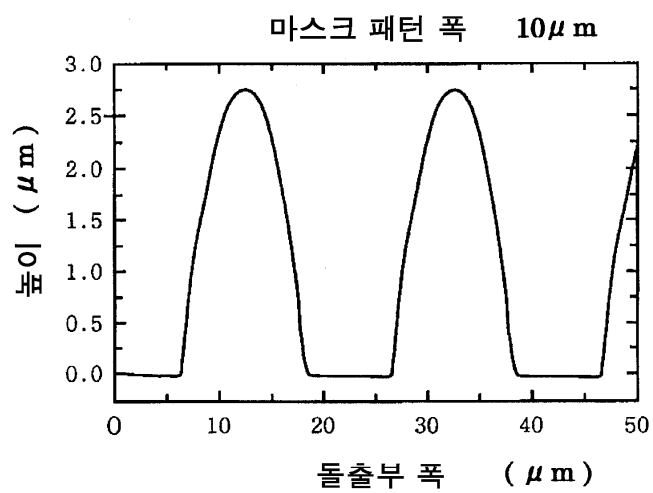
9b



10a



10b



专利名称(译)	反射型液晶显示装置及其制造方法		
公开(公告)号	KR100429429B1	公开(公告)日	2004-05-03
申请号	KR1020010069658	申请日	2001-11-09
[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		
[标]发明人	YAMAGUCHI YUICHI 야마구치유이치 KIKKAWA HIRONORI 키까와히로노리 KANO HIROSHI 카노히로시 SUZUKI TERUAKI 스즈키테루아키 IKENO HIDENORI 이케노히데노리		
发明人	야마구치유이치 키까와히로노리 카노히로시 스즈키테루아키 이케노히데노리		
IPC分类号	G02F1/1333 G02B5/08 G02F1/1368 G02F1/1335 G02B5/02 G02F1/1362 G02F1/1343 G02F1/136		
CPC分类号	G02F2202/40 G02F1/133504 G02F1/136286 G02F1/133553 G02F2001/133357 G02F2201/122		
优先权	2000343714 2000-11-10 JP		
其他公开文献	KR1020020036742A		
外部链接	Espacenet		

摘要(译)

液晶显示装置包括 (a) 第一基板 (14); (b) 背离所述第一基板 (14) 的第二基板 (20); (c) 夹在第一和第二基板14和20之间的液晶层12; (d) 在第一基板 (14) 上形成的晶体管 (15); (e) 布线层 (16), 形成在第一基板 (14) 上并电连接到晶体管 (15); (f) 形成在第一基板14上的反射电极19, 反射电极19通过入射光的反射指向观察者;并且补偿层 (17a, 18) 直接形成在布线层 (16) 上。当在第一基板14的表面上测量时, 反射电极19不与布线层16重叠, 并且补偿层17a和18的高度基本上等于反射电极19的高度。并且具有相同的高度。3 指数方面 反射式液晶显示装置, 背光源

