

(19)  
(12)(KR)  
(A)(51) 。 Int. Cl. <sup>7</sup>  
G02F 1/1335(11)  
(43)2002 - 0036742  
2002 05 16(21) 10 - 2001 - 0069658  
(22) 2001 11 09(30) JP - P - 2000 - 0034 2000 11 10 (JP)  
3714(71) 가 가  
가  
5 7 1(72)  
5 - 7 - 1 가 가  
5 - 7 - 1 가 가  
5 - 7 - 1 가 가  
5 - 7 - 1 가 가  
5 - 7 - 1 가 가

(74)

:

(54)

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

3

,

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) (4) (1) (2), (2) (3) .

(9) (2) (2a), (5), (6), (7), (8), (5) (6) (2a) (7) (2a) (8) (5), (6) (7) (9) (8) .

(4) (4a), (4a) (3) (4b) .

(8) (8) , (5) (6) (passivation layer) .

(1) .

(6) (8) (1) , (6) 가 , (1) .

2 (1) .

2 (2) , (Lia Lib) (4) (3) (2) , (Lra Lrb) (3) , (4) .

(6) (9) (4) (8) , (6) (4) (9) (Lra) 가 , (6) (Lrb) (Lrb) 가 , 가 .

가

b) 1 1 2 , (c) 1 2 (a) 1 , ( , (f) 1 , (e) 1 , (d) , (g) (compensation layer) 1 .

2 , 1 1 2 , 1 (a) 1 1 , (b) 1 2 , (c) 1 2 , (d) , (e) .

3 1 .

3 , (10) (11) , (13), (11) (13) (12) .

(10) (TFT) . , (10)

(11) 1 (14), (15), (16), (16) 1 (17a) 1 (17a) (18)( ) , 1 (14) 2 (17b), 1 (14), (15), 1 (17a) 2 (17b) (18), (16) (18) (19) .

(15) (16) 1 (14) , 2 (17b) 1 (14) (18) (18a) (15) .

(16) 1 (17a) (18) , 2 (17b) (18) (19) .

(19) ( ) , .  
 (13) (19) .

(13) 2 (20), 2 (20) (12)  
 (21) .

2 (13) 가 , (12) (11) , (11)  
 , (12) 2 (20) (10) .

4 1 (17a) 2 (17b) .

4 , 1 (17a) , 2 (17b)  
 1 (17a) .

1 2 (17a 17b)가 4 , 1 2 (17a 17b)  
 9) (18) (18) 1 2 (17a 17b) 가 , , (1

1 (17a)가 (16) (18) 1 2 1 (17a) 2 (17b)  
 . (17a 17b) .

(18) , 2  
 (17b) .

(16) 1 (17a) (18) . 3 ,  
 (18) , (18) .

5 , 1 (17a) (18) 1 (14)  
 (19) . (19) (13) (1

2) (13) (12) .

5 (10) .

5 , 1 (Lia) (13) 가 (12) (11)  
 , (19) (12) (Lra) (13)  
 . 2 (Lib) (13) 가 (12) (11) ,  
 (16) (12) (Lrb) (13) .

1 (Lia)  $\square n \times Da$  ,  $\square n$  (12) Da  
 (19) (13) . 2  $\square n \times Db$   $\square n$  (1

2) Db (13) .

, (19) , Da Db .  
 , (Lia) (Lib) 2  
 , 1 ( $\square n \times Da$ ) 2 ( $\square n \times Db$ ) ,  
 (16) (Lrb) 가 .

6a (10) (16) (19) .

(10) , 6a (19) (16) (19) (16) (18) (19) (19) (16) (19) .

(19) (16) , (19) (16) (10) , 가

(10)

6b (10) (16) (19) .

6b (19) (19) (16) (18)

(19)

(19) (19) (16) , 1

7a 7d (10) ,

7a (15) (16) 1 (14) .

7b , 1 (17a)가 (16) , 2 (17b)가

1 (14) 2 (17a 17b) (15) (1

6) (organic resin) ,

7c (18) 1 2 (17a 17b) ,

(15), 1 (14) (18a) (18a) (15)

1 (17a) (18) 가 (19) (18)

(19) (18a)

(19) (19)

7d

8a 8b (10) , (19) .

8a (19a) (22) (19a) 8b (19a)

(19) (16)

9a 9b (10) (19)

9a (19a) (22) (22) (22)

(16) 가 (16) (22a) 가 (19) (19) (22)

2) (19a) 9b (19) (19)

(16)

(22) 9b (19) (16)

1 (17a) (18) (19)

10a 10b 1 2 (17a 17b)

10a 4 $\mu$ m 1 2 (17a 17b) 7 $\mu$ m

2.2 $\mu$ m 가 10b 10 $\mu$ m 1 2

(17a 17b) 13 $\mu$ m 2.8 $\mu$ m 가

1 2 (17a 17b) 1 (17a) 2 (17b) 가

(17a) 1 (17a) 2 (17b) 가

1 2 (17a 17b)가 1 (17a)

2

1 (17a) 2 (17b) 가

(16) 1 (19) (16) (10) (18)

(17b) 1 (17a)가 2

1 (10) 1 (17a) (18) (16)

12) (16) (16) (18) (19)

(16) (16) (18) (19)

(10) 1 (17a) 1 (17a) (18)

(19) (19) (16)

(16) (18) (19)

(Lrb)

10) 가

(10) , 가 , .  
 , (10) .  
 가 (15) , (15)가 ,  
 (16) , 1 (17a) (18) Da Db( 5 )  
 1 (17a) (18)  
 .  
 .  
 1 , 2 , 2 ,  
 , 가 ,  
 .

(57)

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

3.

2 ,  
(18) 1 (14) (17a, 17b),  
.

4.

3 ,  
(18) (17a)가 (16) (17a, 18)  
(16) .

5.

4 ,  
(16) (18) (18) 가  
.

6.

4 ,  
(17a, 18) (16) ,  
.

7.

1 6 ,  
(19) (16) .

8.

1 6 ,  
(19) (16) .

9.

1 6 ,  
(15)

10.

3 ,

1 (17a),  
(17b) 2

11.

10 ,

1 (17a) (16) .

12.

11 ,

1 (17a) (17b)

13.

1 (14) ; 1 (14) 2 (20) ; 1 2 (14  
20) (12); 1 (14) ,  
(19) ,

(a) 1 (14) (16)  
;

(b) (16) 1 (17a) 1 (14) 2 (17b)  
;

(c) 1 2 (17a 17b) (18) ;

(d) (18) (19a) ;

(e) (19a) (16)

14.

13 ,

(e) :

(e1) (19a) (22) ;

(e2) (16) (22) , (19a) (22a)  
;

(e3) (19a) (22a) (19  
a) .

15.

13

,

1

(17a)

(18)

2

(17b),

(18)

(19a)

.

16.

13

15

,

(18)

,

(19a)

(18)

.

17.

13

15

,

(19a)

(16)

.

18.

13

15

,

1

(17a)

,

2

(17b)

.

19.

18

,

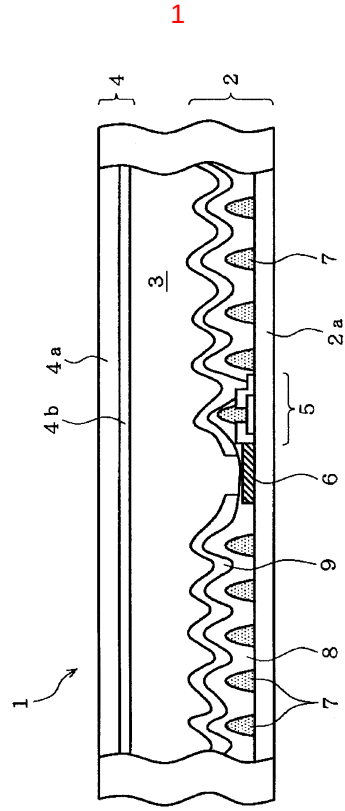
1

(17a)

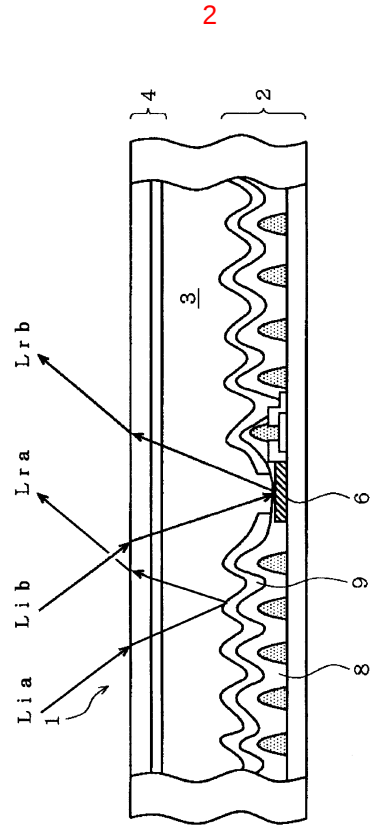
(17b)

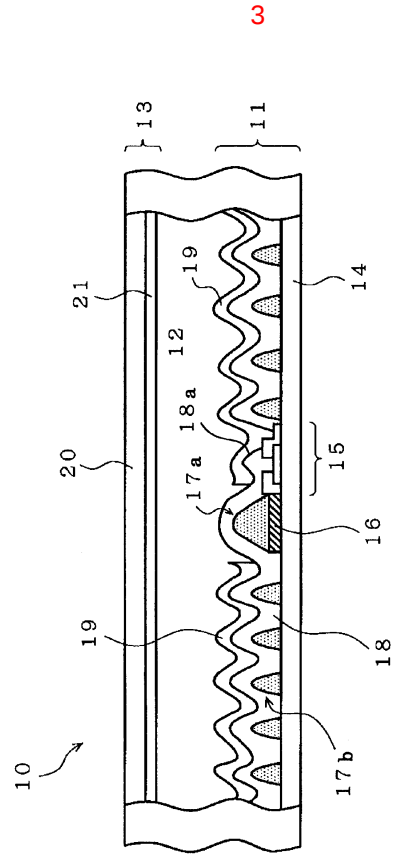
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종래기술

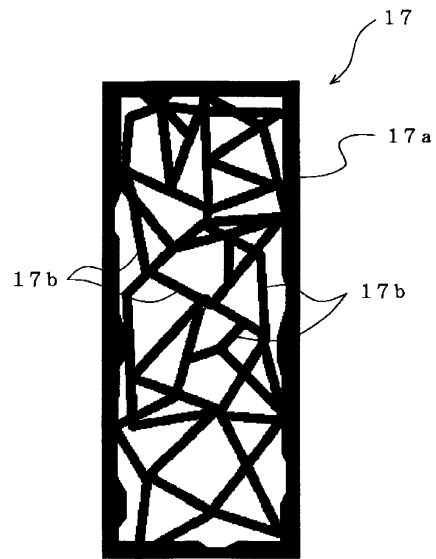


종래기술

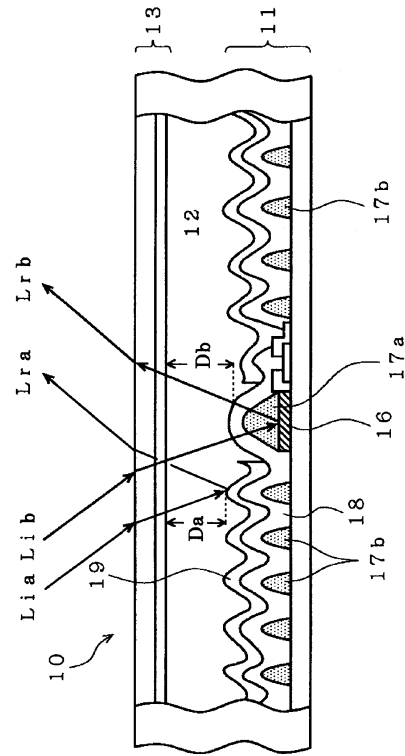




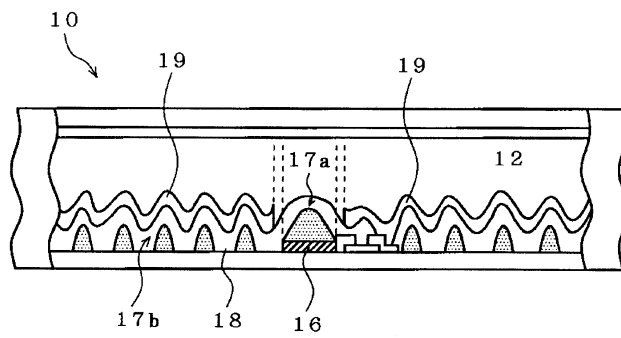
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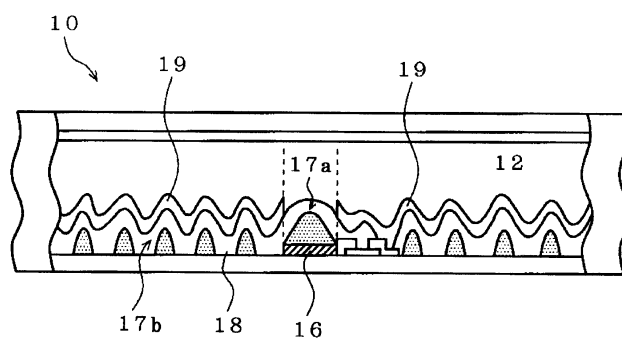
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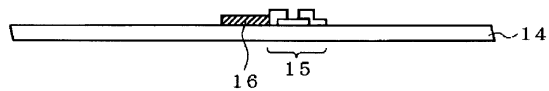
6a



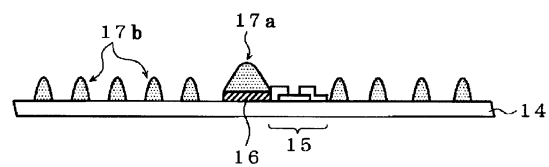
6b



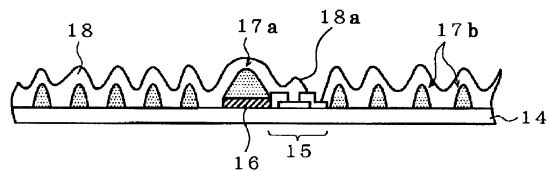
7a



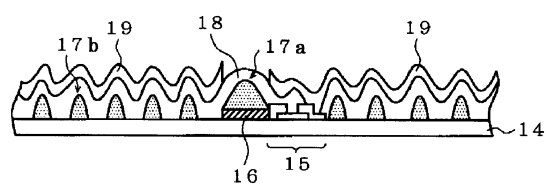
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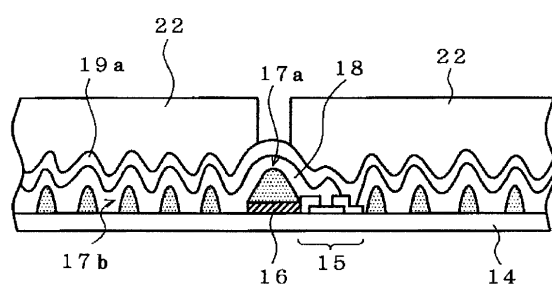
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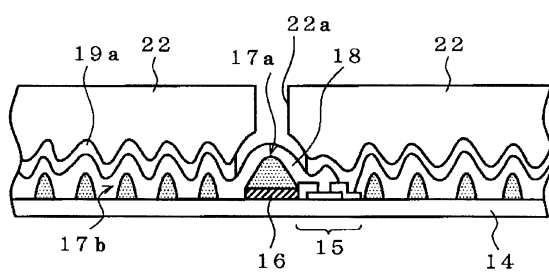
7d



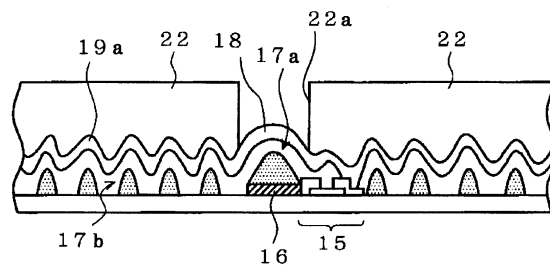
8a



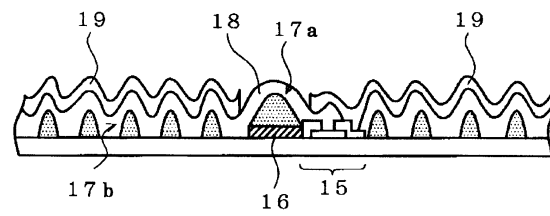
8b



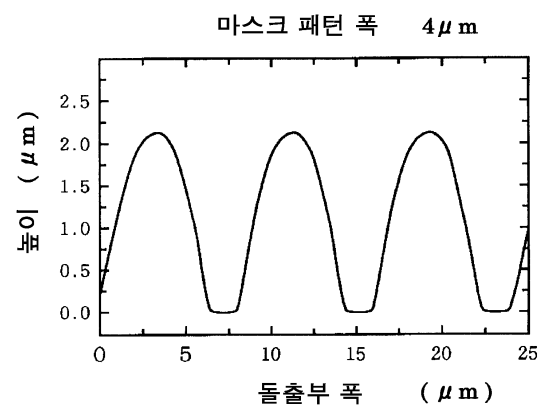
9a



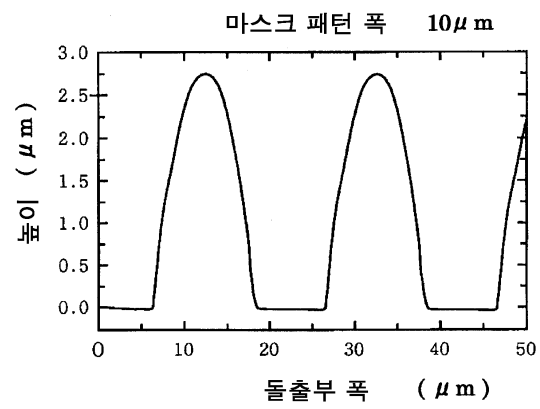
9b



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        | <a href="#">KR1020020036742A</a>                                                                                                              | 公开(公告)日 | 2002-05-16 |
| 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<br>야마구치유이치<br>KIKKAWA HIRONORI<br>키까와히로노리<br>KANO HIROSHI<br>카노히로시<br>SUZUKI TERUAKI<br>스즈키테루아키<br>IKENO HIDENORI<br>이케노히데노리 |         |            |
| 发明人            | 야마구치유이치<br>키까와히로노리<br>카노히로시<br>스즈키테루아키<br>이케노히데노리                                                                                             |         |            |
| IPC分类号         | G02F1/1333 G02B5/08 G02F1/1368 G02B5/02 G02F1/1362 G02F1/1335 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         | KR100429429B1                                                                                                                                 |         |            |
| 外部链接           | <a href="#">Espacenet</a>                                                                                                                     |         |            |

# 摘要(译)

用途：提供一种反射型液晶显示装置，其在白色显示中不显示黄白色，并且通过防止反射光变黄而制造该装置的方法。组成：在具有液晶层12的反射型液晶显示装置中，液晶层12保持在彼此相对放置的下侧基板11和相对侧基板13之间，并且使来自外部的入射光Li被布置在其上的反射电极19反射。在下侧基板11上形成显示光源，下侧基板11与液晶层12之间的接触面形成齐平状态，以使相对侧基板13与反射电极19之间的距离相等。或者其上形成有反射电极19的下侧基板11是均匀的。

