

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

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(21) 10 - 2002 - 0058237
(22) 2002 09 25

(30) JP - P - 2001 - 00293960 2001 09 26 (JP)

$$(72) \quad \begin{array}{ccccc} & 5 & 7 & 1 & \text{가} \\ & & & & \text{가} \end{array}$$

(74)

(54)

(100), (105), (100) (105)
 (101), , 가 가 ;
 (101) ; (107/108) 가 ; (107/108)
 107/108) ; (107/108) 가 ,

1
2
3 9 - 304617
4 9 - 304617
5 9 - 304617
6 9 - 304617

7

8

9a

9b 9a A - A7

10

11

12

13

14

15

16

< >

100 :

101 :

105 :

106 :

107/108 :

1

가

2

2

가

1

2

3

3

가

3

"

가

가

가

1

2

가

가

1 2

(1/2/3/6/7/8),

(4)

(5)

(1/2/3/6/7/

(5)

8)

(4)

(1/6
(2/7/8)

2/7/8)

(6)

(6)

(3)
(3)

(1)

(1)

(1,6
(1/6
2/7/8)

1

2

,

(1)

,

(6)

,

(2), (2), (7), (7), (8)

(2) (8) (7) (7) (8)

, (1) (4) 가 가

가

가 ,
 가 (3) ,
 가 (3) ,
 가 ,
 가

9 - 304617

5

가

3, 4, 5 6
 (9a, 9b, 9c 9d)

(9a, 9b, 9c 9d)

(9a) (9e) 가 , (9f) , (9f)
 (9a) , , (9e) 2
 9f) , (9f) (5)

(9b) (9e) 가 , (9h)
 (9e)

(9c) (9e) 가 , (9i)
 (9e)

(9d) (9e) 가 , 가 (9j) , (9e)

/ (9a 9d) / (9f/9h/9i/9j) (9f/9h/9i/9j)
 / , 20 5

50 40

1

1

(9f)	가	7.5
		30%

가

가

가

, 1
가 , 1 2
1
1 .
1 .

, 가

가

2

3

< 1 >

$$(112) \quad , \quad (118)$$

(113) , (118) (113) 가 , (118) (113) 가 , (110a) (118) (113) 가 , " "

7 8 , (101) (9 10) . (9 10)
 , (9 10) (122) . , , (9 10) ITO (,
 , , , , , ,

(9 10) (107 108) (107/108)
 (ridgeline) . (107/108) (9a) (9f) (3).
 (9 10) (107/108) ㄱ ,

(9) (122), (107) (10) .
· (107) . (10)
· (9) . (10) (105) (9/1)
, (108) (105) .
0) 가 , (106) (107/108)

가 (118) 가 (20)
 (105) , (100) (101)
 (9) , (107) 가 (9)
 (10) (107) (100),
 (106) 가 (108), (100),
 108) 가 (100), (108),
 (106) 가 (101), (108),
 , (107/108) (9a)

, 가 (106) 가 , (105)
, 가 (101) 가 (10, 9) , (100)
. 가 , (100), 가

(9a)

(101)

, (107/108), (107), (106) 가
· , (108) (101), , (106) 가
,

(101) 가 , (9 10) , (9) . (107/108)

◀ 2 ▶

10 11 , (300),
 (302) (304) . (300) (304) 1

(302) , (306/308) (302)
 (302) , , / ,
 . ITO . ,
 306/308) (107/108) , (306/308) (122) (304)
 . (302) .
 02) , 가 .

, (302) , (306/308)

(304) , (304) 가 (302)
가 (300) , 가 .

(57)

1.

1 , 2
 (101; 302)

1 2 , 1
 (9/10; 302) ,

(9/10; 302) 1
 (waved surfaces) (107/108; 306/308)

2.

1 , (9/10) (107/108) (9/10) ,

3.

2 , (107) 1 , 1 (sub - directio
 n) 1 1 2 (108)

4.

2 , (107/108) (triangular prisms) (10
 9f; 9h) , (107) (10)

5.

2 , (triangular pyramids) (400), (quadrangular pyramid
 s) (9i), (semi - circular columns) (401), (hemispheres) (9j), (circular cones) (410), (fr
 ustums of circular cones) (420) (frustums of pyramids) (430)

6.

2 , (107/108)

7.

8.

1 , (306/308) (30
2) .

9.

8 , (306/308)

10.

9 , (306/308)

11.

8 , (306/308)

1

12.

8 , (306/308)

(prisms) (9f)

2

13.

가

(106),

가

(106)

(20) (100; 300);

(100; 300)

(105: 304);

(100: 300)

(105: 304)

(101:302)

(9/10·302)

(101·302)

(9/10, 302)

(107/108: 306/308)

14.

13 , (100; 300)

15.

14 , (100; 300) (in - plane switching type) (112/113
/115/116/117/118/20)

16.

13 , (122) , (122) (230) (101; 30
2) (100a) (123)

17.

13 , (9/10) (9/10) , (107/108)

18.

17 , (107) , 1 , 1
1 2 (108) 1

19.

13 , (410), (420) (430) (9f, 9h), (400), (9i), (401), (9j),

20.

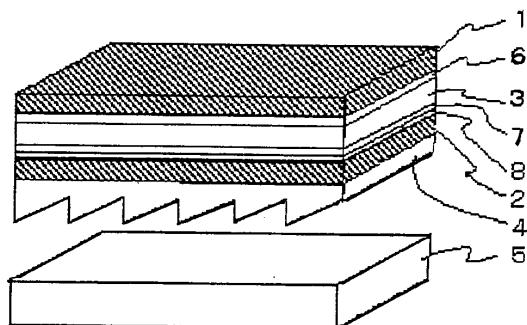
13 , (107/108; 306/308)

21.

13 , (302)

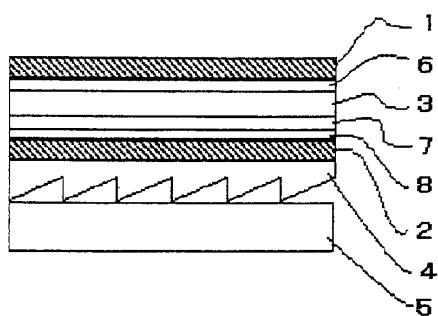
1

(종래 기술)



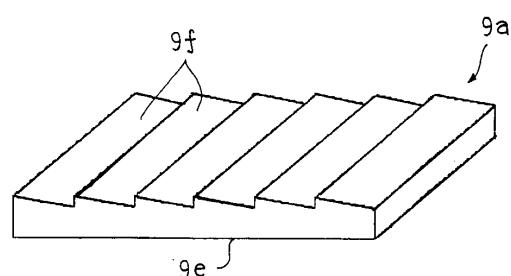
2

(종래 기술)



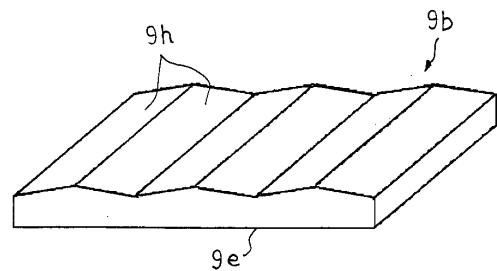
3

(종래 기술)



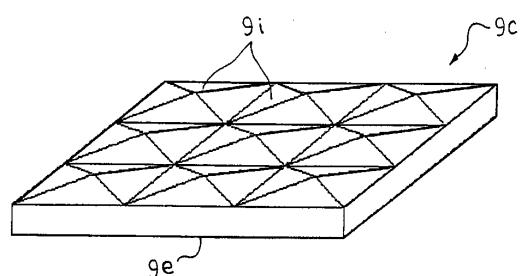
4

(종래 기술)



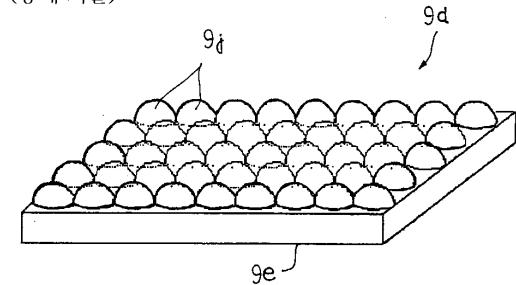
5

(종래 기술)

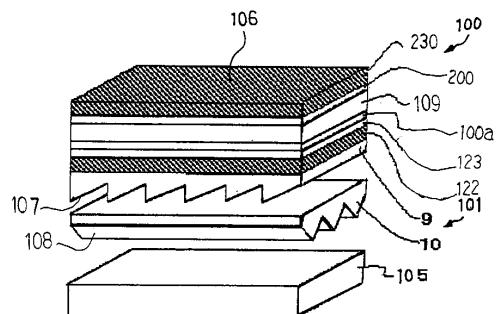


6

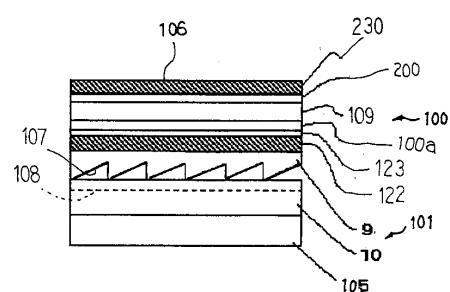
(종래 기술)



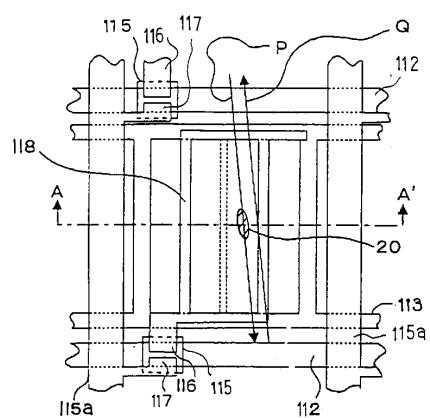
7



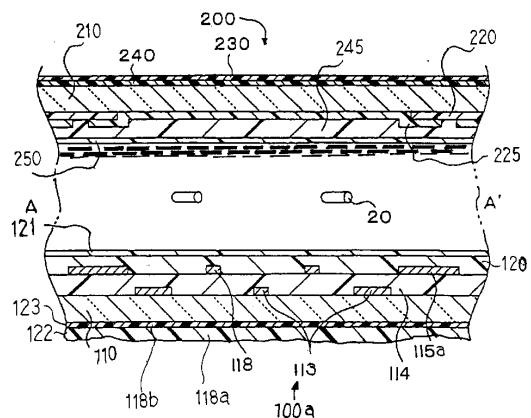
8



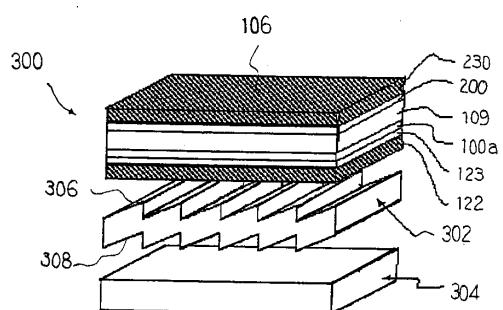
9a



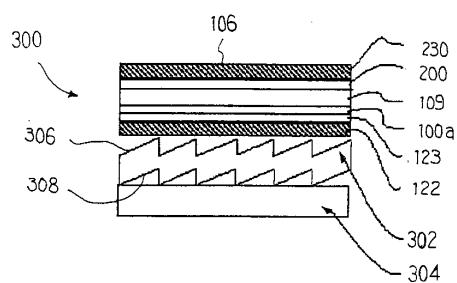
9b



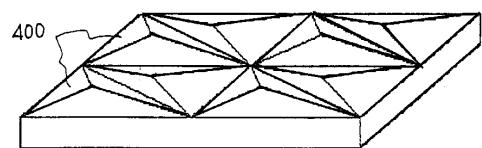
10



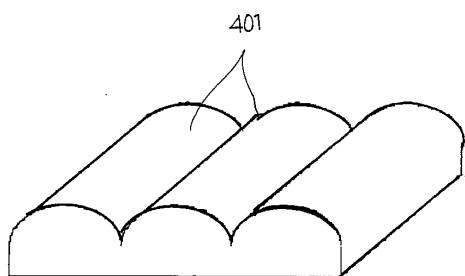
11



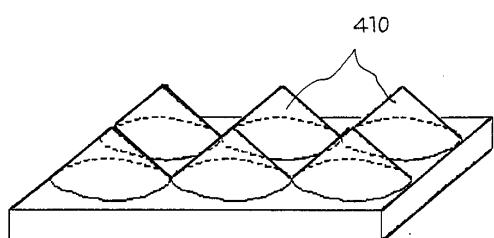
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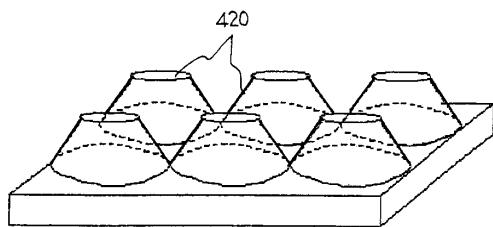
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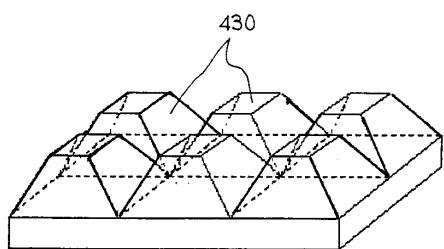
14



15



16



专利名称(译)	一种具有多个反射表面的透反板和使用该透射板的液晶显示器		
公开(公告)号	KR1020030027732A	公开(公告)日	2003-04-07
申请号	KR1020020058237	申请日	2002-09-25
[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	FUJII GEN		
发明人	FUJII,GEN		
IPC分类号	G02F1/1335 G02B5/04 G09F9/00 G02F1/13357		
CPC分类号	G02B5/045 G02F1/133555		
代理人(译)	CHANG, SOO KIL		
优先权	2001293960 2001-09-26 JP		
其他公开文献	KR100511036B1		
外部链接	Espacenet		

摘要(译)

半透射液晶显示LCD面板 (100) , 并且组合背光单元 (105) 与LCD面板 (100) 和背光单元 (105) 之间的透射反射板 (101) 。虽然透射反射板 (101) 没有涂覆高反射低渗透率的金属层 , 但环境光和背光产生选择性使用的可见图像并具有两个不均匀性 (107/108) , 而不均匀性 (107) / 108) 并且空气作用在反射表面上 , 并且每个反射表面 (107 /108) 的反射率小于涂有高反射率金属层的反射表面。仍然用两个反射表面 (107/108) 增加反射环境光的总量。它被改进 , 因为在透射率方面 , 金属层被除去。半透射液晶显示器 , LCD面板 , 背光 , 反射器 , 反射率 , 透射率。

