

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

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(21) 10-2004-0036614
(22) 2004 05 22

(30) JP-P-2003-00147955 2003 05 26 (JP)
JP-P-2003-00405700 2003 12 04 (JP)

(71) 가 가 3 6 9

(72) 3 6 9

(74) :

(54)

(B) 가 (2) , (7, 8) (6) 가 .
(71) .

2

1 .

2 .

3 .

4 2 .

5 .

6 3 .

7	3	.
8	4	.
9	5	.
10	6	.
11	7	.
12	8	.
13	8	.
14	8	.
15	8	.
16	8	.
17	8	.
18	9	.
19	10	.

< >

- 1 : 2 :
- 4 : () 6 :
- 7 : () 7a :
- 7b : 8 :
- 71 : () 102 :
- 120 : 130 : ()
- 140 : () 150 : ()
- 160 : () B :

가 .
,

(直下型) 가 (線狀) 가 (面狀)
 光) 2003-43481

가 가 가

가

(暗部)

가 가 가

(吸水)

가

1 가 가 가

가 가 가

(點狀) 가

2 가 가

가

3 가

4 가

가) (가) 가 ()

()

- 5 .
- 6 , 가 1mm
0.5mm 가 0.05mm 가
- 7 가
- 8 가 가 가 1mm 가
0.5mm 가 0.05mm
- 9 가
- 10
- 11 가 , 가
(2) (2) (B) 1 (1)
(B) (2) (3) (4) (B) (2)
(2) (面狀光) (4) 가
(3) (3a) (四邊) (3b) (上面開口狀)
(3c) (2) (3c)가 (3a) (4) 가 (2)
(1) (3) (2) (2) (1) 가 (5)

(5) (2)

(3) (2) (4) (4)

(1) (4) , 가 (4) ,

가 (B)가 가 (中空)

가 (4) (2) (B) 가 (B) 가

가 가 가

2 (2) (6) 2 (7, 8) (6) (7a, 8a) (7, 8)

2 (6) 가

2 (7, 8) (7b, 8b) (7, 8) (9, 10)가

(9, 10) (B) 가

(6), (7, 8), (9, 10) (2)

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

(71) (7) , 3 (71) (70)

80 μm , 40 μm (71) 5 μm

, 20 μm

(8)(, ' 2 (8)') ()

1 (7) 1 (7)() 가 (2) (B)

가 (B)

(B)

(B) 1 (7)

2 (8)

가 , 2 (8)

(B) 1 (2)

(B) (3) 가 (2)

5%가 (: JIS(Japanese Industrial Standards) K7361) 70%가 6

30%가 , 50%가

(: JIS K7105) 70%가 50%가

30%가 40%가

100%가 , 60%가 , 90%가

(70) , () (7) , 가 , (7) 가 , (7) (7a, 7b) (2) (凹凸) (7) (71) () (6) (7a) (7b) (6) (7a) (7a) 가 , () , (7) (7b) (9)가 , (7) (9) 가 , (7a) (71) 가 (7b) (71) 가 가 (7) 가 , 가 , 가 , 가 , (2) (4) (B) , (3M DBEF) (2) (4) , (9) (B) , (9) 가 , (B) 가 , (2) (2) (2) (4) (2) 가 , (2) 가 , (2) (2) (101) (101) (10 2) (2) 가 2 ()

2 가 .

1~ 3 (7, 8) 가 2 .

(102)

2 (B) (101) (B) (103) (104) .

(B) (110) (110) (110) (110)

(102) (102) (102) (110) (B) (110)

(110) 2mm (110) (110)

(102) (110)

1mm (110) (102) 0.5mm (102) (

110)

4 (101) (B) 가 (102) (110)

(110) 가 가 1mm

(102)가 가 (102)

2 (103) (104) (104)

) (7, 8) (7, 8) (110)

(105) (103)

5 (102) (B) (102) (102b)

(102a) 가 가 가

(102b) (120a) () (120b)

(120) 6(a) (102)

(120b)가 (102) (120b)가 가

(102) (120b) (120b)가 (102) 가

(120) 6(b), (c) (102)

(120) (102) (102b)

6(b) (120b) (102) (102b) (102b)

(102a) 가 (102) (120b) (120b)

가

, 6(c) (120b) (B) .

(120) (102) , , (125)

(120) (102) (102b) , 4 1 , 2

3 . 4 (120)

2 (102b) , 2 , 2 .

(102b)

(120) (: JIS K7361) 70%가 65%가 (

30%가 , 50%가 .

(120) (: JIS K7105) 70%가 , 50%가

30%가 , 40%가 .

가

(120) 100%가 , 60%가 ,

90%가 .

(120) , 가 .

7 3 (102)

(120b) (102) (120b)

가

(120b) (102)

(120b) (120)

8 4 (102) (120b)

(:)(130) 3

(120b) (102)

0a) (130) (凸條 :) (130a) , (13

(凸)

(120b) (102) (120b) () (130) , 8(a)

(130) (120b) (130)

, 8(b), (c) (102b)

(130a) 8(b) (B) , 8(c) (102)

(130a) (B) () , (

) (4)

(130a) (102) () , ()

, () (130a)

(120b)

9 5 (120)

(130)

(130) 9(a) (120) (102) , 9(b), (c), (d)

(120) (B)

9(a) (130) (130a) , 9(a)

(102) (130) (130) , (130) (120)

(B) (130) (120) (120b)가 (102)

(120) (130) (120) ,

(130) (130a) (120b) (130)

9(b) (130) (130a) (130) (120) (130)

(120b) (120) (102) (120b)가 (120) (102)

9(c) (130) (130a) (130) (120) (130)

120) (120b)가 (130) (102)

9(d) (130) (130a) (120) 8(c)

9(d) (120)

10 6 (102) 120(120

b) () (140)

(140) 10(a), (b) 120(120b) (102) , 10(c)

(120) (B)

(140) (102)가 () (9)

(102)가 (9)

9) (140) (140) (B) (, 3

M DBEF) (140)

가

10(a) (140) (102) , (120) (120b)

(B) (140) (120b)

10(b) (140) (140) (B)

(120b) (140)

10(c) (120) (102) , (140) (140) (120)

(120) (120b) (140) (102)

11 7 (102) (130) (1
 (140)
 02) (130) (140) (120b)

(140) (130) (B) , 11
 (102)

11(a) (130) (140) (102)
 , (130) (140)

11(b) (130) (140) (102)
 , (130) (140)
 (140) (B) (130a)

12~17 8 (102) (120
), (130), (140) 8
 (130) (140) 가
 (120b), (120)
 (130) (140) , (1
 02) ()

12(a), (b), (c), (d) (102) (B) 120(120b) (
 130), (140)

12(a), (b) (, , (120) (120b))
 (B) , (120) (120b)

12(a) (130) (130a) , (130) (120)
 (140)

12(b) (130) (130a) (130) (120)
 (130) (4) , (1
 40)

12(c), (d) (102)
 (120) (120b) (120) (102)

12(c) (130) (130a) , (130) (120)
 (140)

12(d) (130) (130a) (130) (120) (B)
 ,

12(c), (d) (130) (4) ,
 (140)

13(a), (b), (c), (d) (102) (B) 120(120b) ,
 (140), (130)

13(a), (b) (, , (120) (120b))
 (B) , (120) (120b)

13(a) (130) (130a) , (140) (130)

13(b) (130) (130a) , (4)
 (130) (140) , (140)
 0) (B) (130a)

13(c), (d) (102)
 (120) (120b) (120) (102)
 (120) (140) (120) ,
 (B)

13(c) (130) (130a) , (130) (140)

13(d) (130) (130a) , (4)
 (130) (140) (140) (120)
 120) 가 , (120) (130)
 (140) 가 , (120)

14(a), (b), (c), (d) (102) (B) (140) ,
 (120), (130)

14(a), (b) (130) (130a) , (130)
 (120)

14(a) (120) (120b)가 , (120)
 (140)

14(b) (120) (120b)가 , (120) (140)
 140)

14(c), (d) (130a) , (130) (4)

14(c) (120b)가 , (130) (120)

14(d) (120b)가 , (130) (120) 가

15(a), (b) (102) (B) (140) , (130),
 (120) (140) (102)

15(a) (130) (130a) (130) (140)
 (120) (130) 가 ,
 (120) (120b)가 (120b)
 (130) (B)

15(b) (130) (130a) (120) (130)
 (120b)가 (120) (130)
 (130) (4)

16(a), (b), (c), (d) (102) (B) (130) (140)
 0), (120)

16(a), (b) (102) 가 . , (130) (140) (130a) (140) , (130) (130)

0) 16(a) (120) (120b)가 , (120) (140) 가 .

16(b) (120) (120b)가 , (120) (140) .

(120) (140) (120b) .

16(c), (d) (102) (130) (130a) , (130) (7)) (102)(4) .

0) 16(c) (120) (120b)가 , (120) (140) 가 .

0) 16(b) (120) (120b)가 , (120) (140) .

(120) (140) (120b) .

0), 17(a), (b), (c), (d) (140) (102) (B) (130) , (120)

17(a), (b) (120) (120b)가 (130) (130a) , 17(a) (140) 가 .

, 17(b) (120b) , (120) (140) .

17(c), (d) (102) (130) (130a) , (130) (7)) (102)(4) .

17(c) (140) 가 (120) (120b)가 , (120)

17 (d) (120b) , (120) (140) .

18 9 (120, 130, 140) (150) (102) (102)

, (150) (102) (B) (120, 130, 140) 1 (102) (102b)

(150) 4 (102b) , 3 2 (102b)

30, 140) (150) (102) (102b) (120, 1

가 (150) , 가 (102) .
 , (150) , ,
(150) ,
(120, 130, 140) (150) .
 19 10 . (102) (102) (120, 13
0, 140) (102) (160)
(160) (102) (102b) ,
(102b) (B) (160a) (160a)
(160b) . (160) (160b) (120, 130, 140)
가 (160) 4 (102b) , 3 2 (160)
가 4 , (160)가 3 2 , 가 (160) ,
(160)
(160)
1
9 10 , 가 ,
(120), (130), (140) 3 (130)
2 , (140)
가 가 .
가 .

- (57)
1.
 ,
가 ,
 .
 2.
1 , , ,
 .
 3.
2 , .
 - 4.

2 , 가 ,

5. 3 , 가 ,

6. 1 5 ,

7. 1 5 ,

8. 1 5 ,

9. 1 5 가 , ,

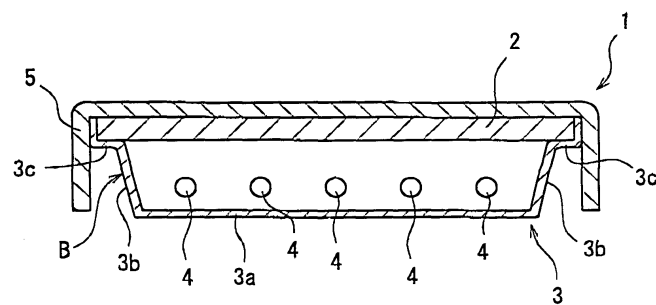
10. 9 , 가 ,

11. 9 ,

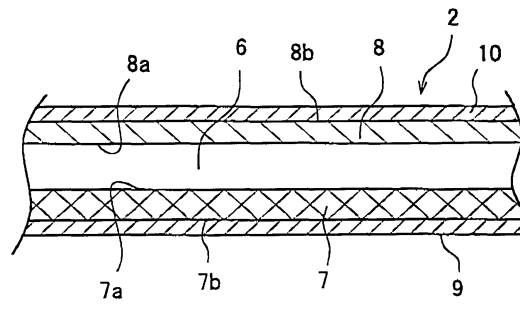
12.

1 11

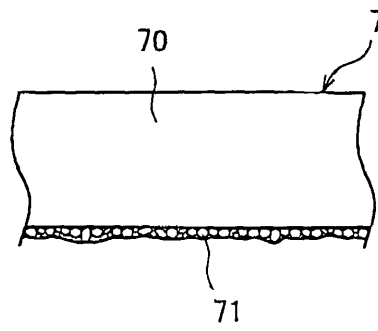
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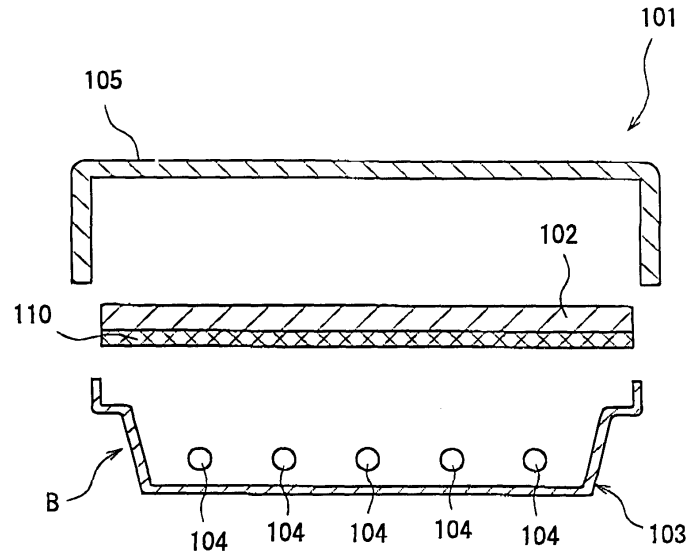
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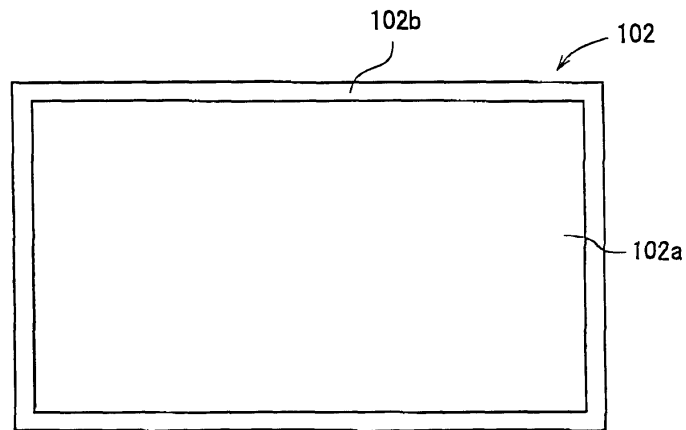
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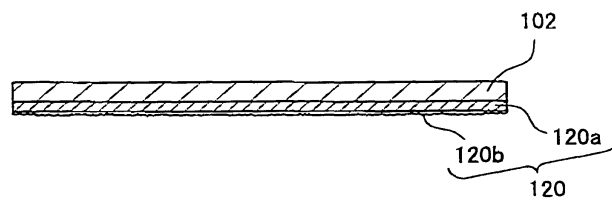
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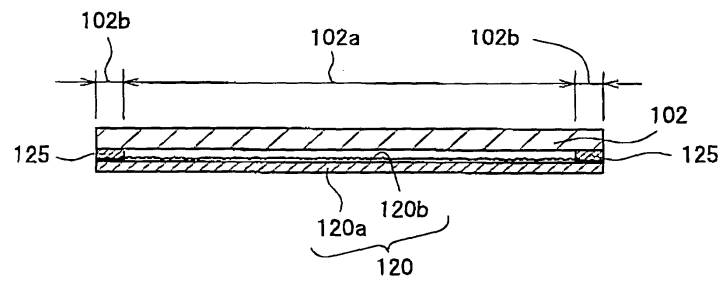
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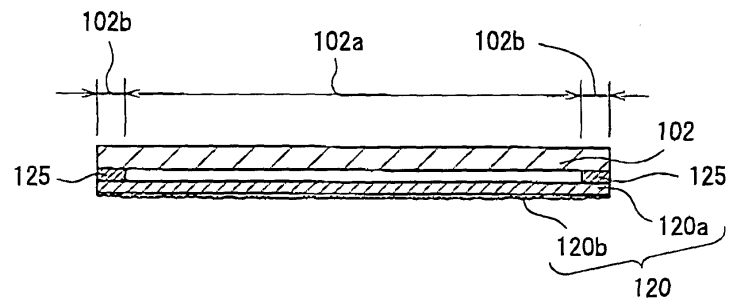
6a



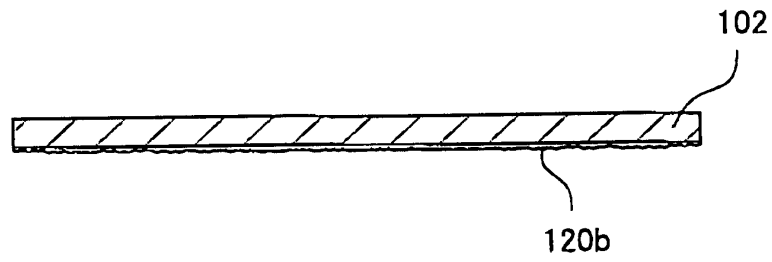
6b



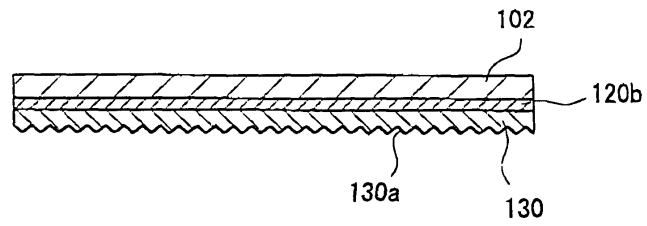
6c



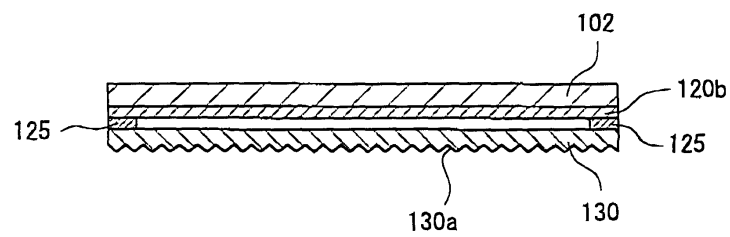
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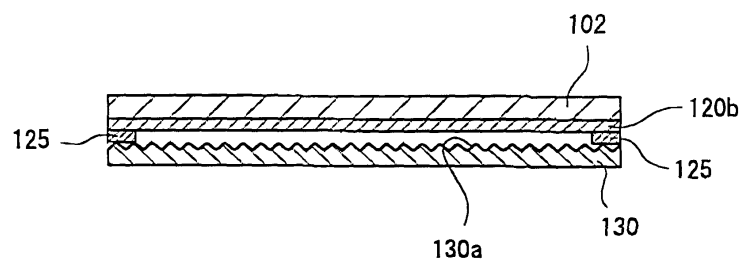
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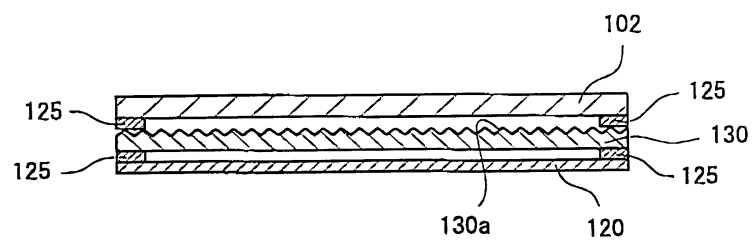
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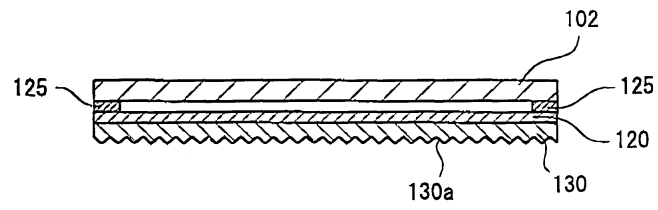
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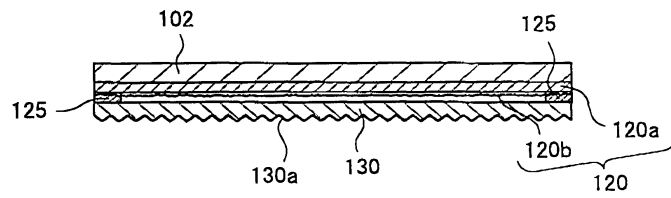
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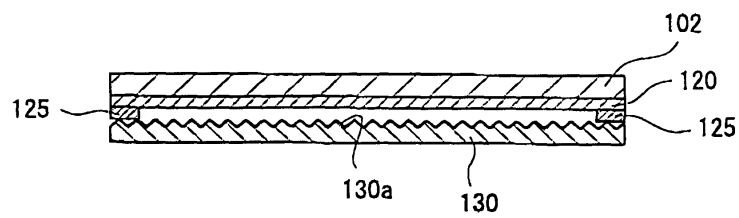
9b



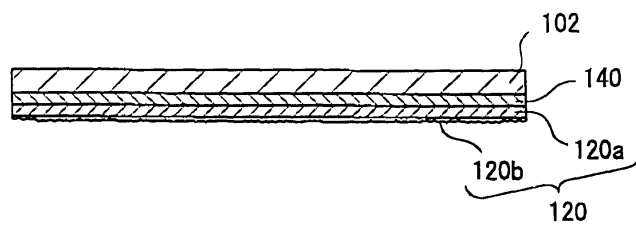
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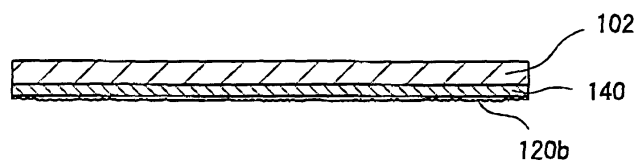
9d



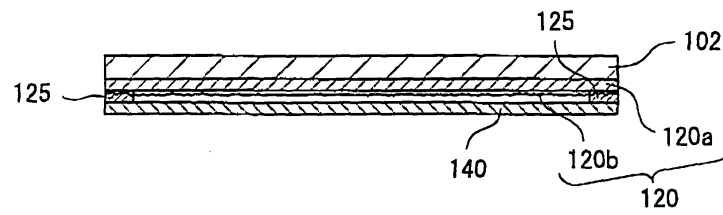
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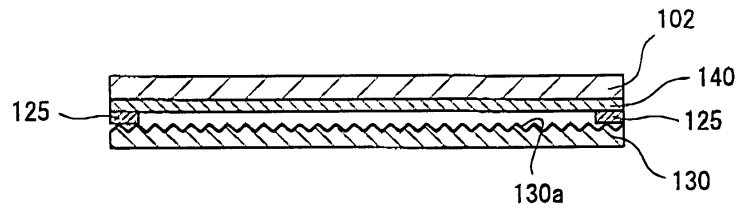
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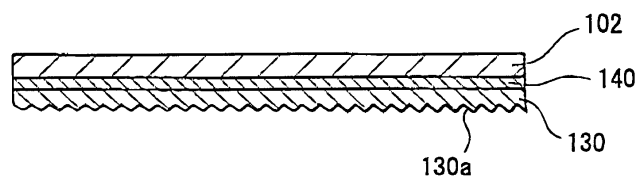
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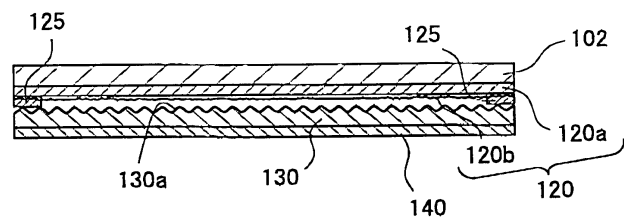
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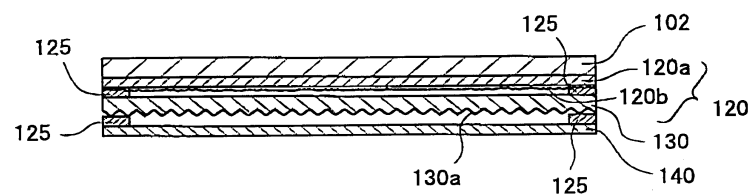
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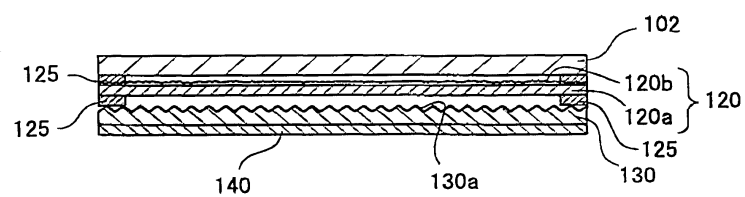
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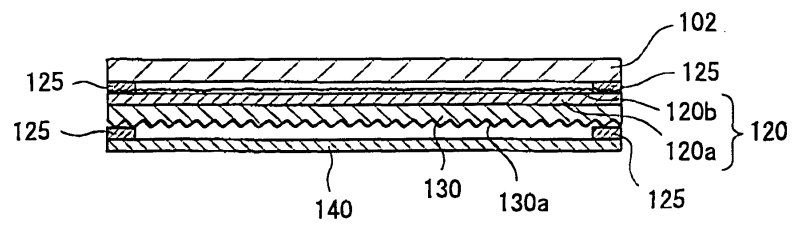
12b



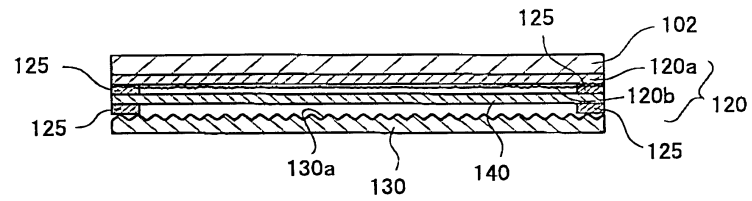
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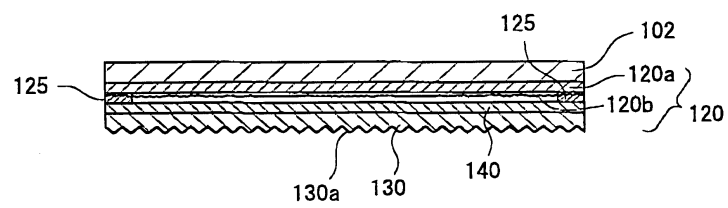
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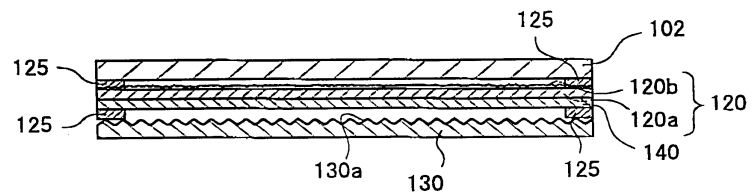
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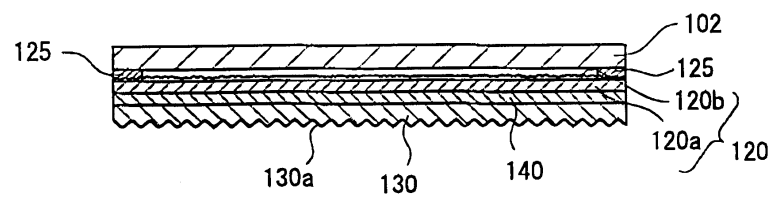
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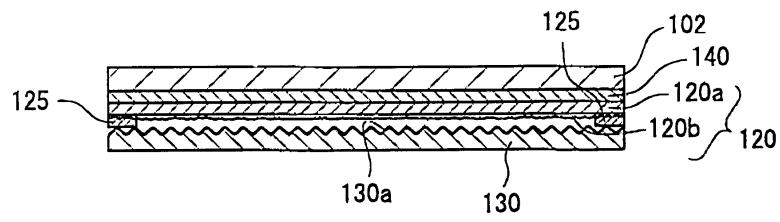
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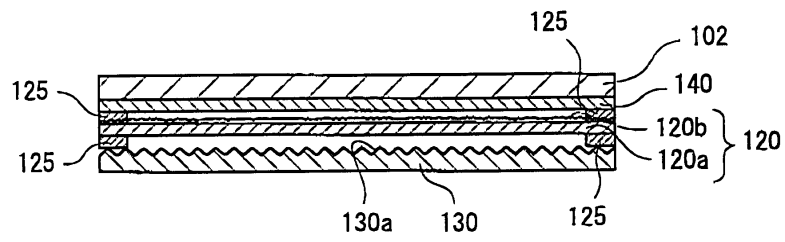
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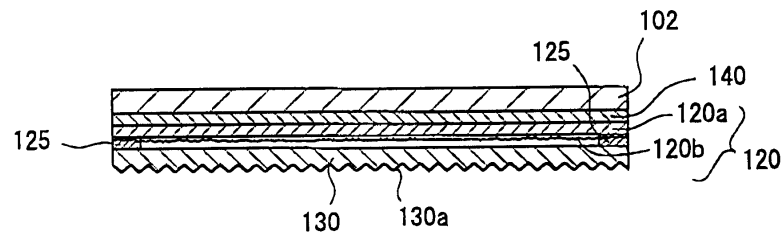
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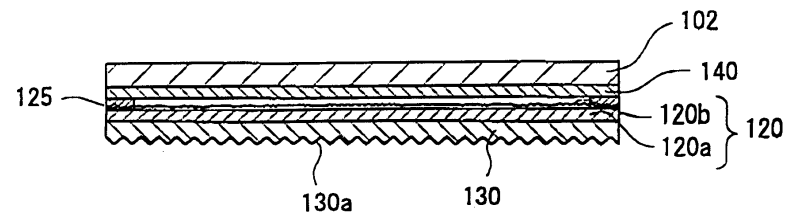
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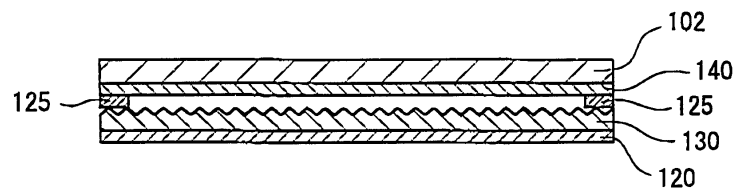
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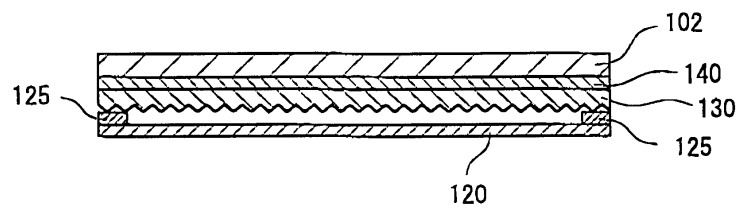
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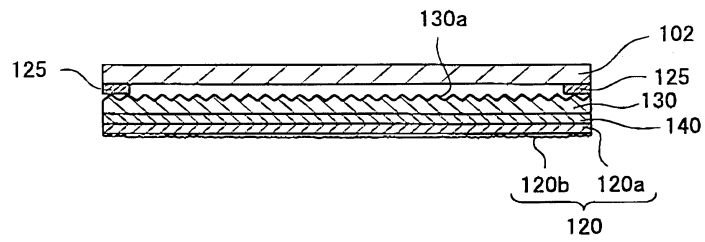
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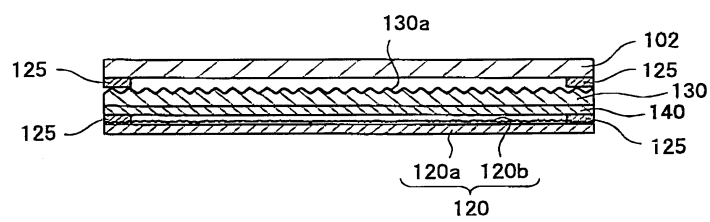
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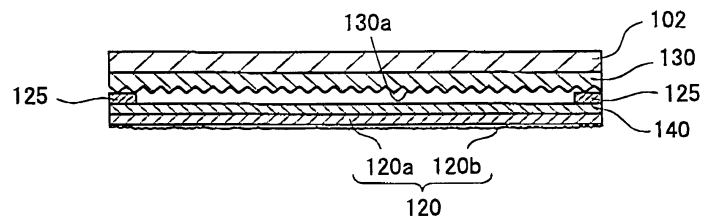
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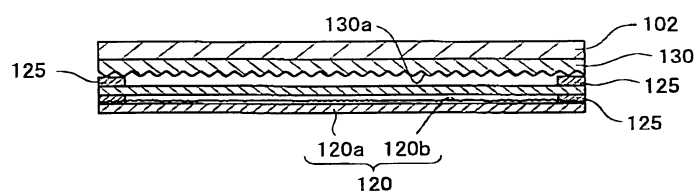
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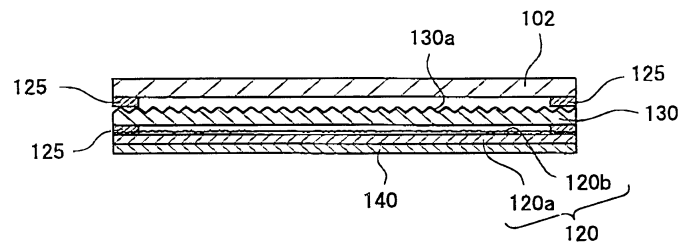
16c



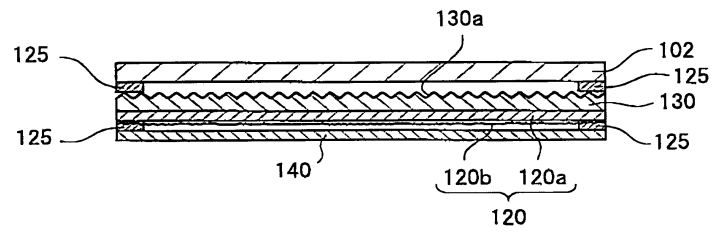
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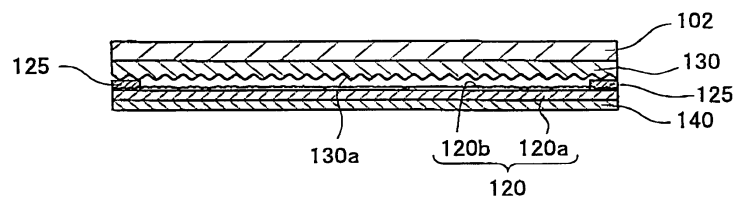
17a



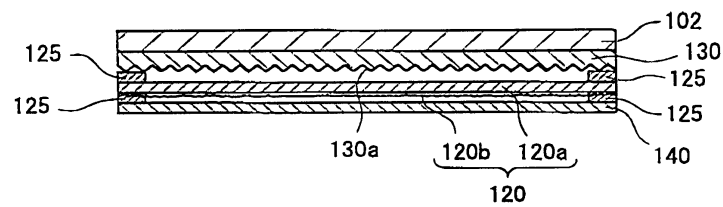
17b



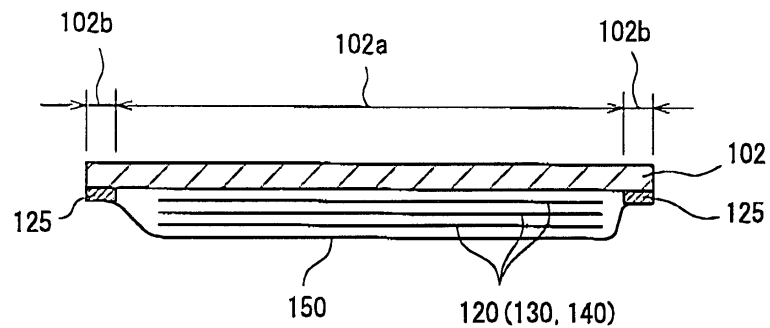
17c



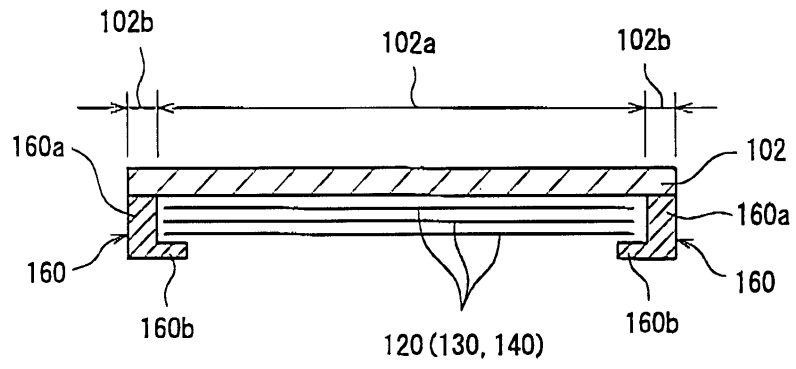
17d



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专利名称(译)	液晶面板和液晶显示装置		
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[标]申请(专利权)人(译)	NEC液晶技术株式会社		
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当前申请(专利权)人(译)	日元号技术可否让这个夏		
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外部链接	Espacenet		

摘要(译)

用途：提供液晶面板和具有背光的液晶显示器，即使从背光源施加不均匀的光线，也能获得优异的图像质量，并且通过不增加构成液体的部件数量来防止成本增加水晶面板。

