

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁷
G02F 1/133

(45)
(11)
(24)

2003 05 09
10-0382805
2003 04 22

(21) 10-2000-0042191
(22) 2000 07 22

(65)
(43)

2001-0015413
2001 02 26

(30) 1999-208450 1999 07 23 (JP)

(73) 가 가

5 7 1

(72) 가

5 7 1 가 가

5 7 1 가 가

(74)

:

(54)

3

1
2 1

[illegible]

가

, PC

가

5-61011

6

(10) (11) (10) (11) (10) (11)

(501, 502). (503, 506).

(10) (11) (10) (11) (5 6 μm)

(KOKAI) 5-249422 4-116619

(18) (20)

(10) (11) (5 6 μm) (18)

(18) (scribing)

가 (18) 가

가 가 가 가

1 (aperture) 가 2 2 가

2

2

1 , 2

2 ,

3 ,

2 ,

2 ,

가

6

2

가

7

8

9 , 2

10 , 3

11

12 , (lapping)

13 ,

14 , 5

15

2

2

1 , 2 1

3 1 B-B'

4 3 A-A

(10) (11)

(12)

(15) (16) (10) (11) (14) (11)

(17) (12)

(17) (13) (17) (15) (22)

(orientatin)

(10)

(11) (201).

(10) (11)

(202 204).

(205 208).

(17) (12)

(18) (10)

(12) (18) (18)

2 (19) 가

(14) 가

(10) 가

(12) (18) 160. C

(18) 가

2 (19)

(20)

, 2, 1.4 mm, 1.05 mm, (grit), 10 μm , 1.0 mm, 1 μm , 150, 200 g/cm², 4, 5, 2, 2, (18), (19), (21) 가, 2, 4, 5, (21), (15) 가, (1) 가, (21), 3, B-B', (20), (18), 가, (scribing), (12), 2, (19) 가, (18), 2, (18), (19), (20), (10), (11), (11), (10), (21), 2, (21), 가, (10), (11), (10), TFT, (11) MIM, 3, 5, 3, 가, (30), (30), 1, (17) 가, (10), (11), (12), (30), (20), (19) 가, (18), (10), (11), (11), (10), (19), (18), (18-1), 18, (30) 가, (40), -4),

(57)
1.
() 1 가
2 가 ;
2 가 ,
2 ,

가 2 ,

2.

()

3.

()

4.

() 1 ,

5.

()

1

가

2

가

2

가

6.

()

7.

()

1 ;

2 가

2 ;

3 ;

4 ;

5 ;

2

가

, 2

2

6

8.

()

7

2

가

2

7

9.

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10.

()

7

1

9

2

10

3

11

11.

7

4

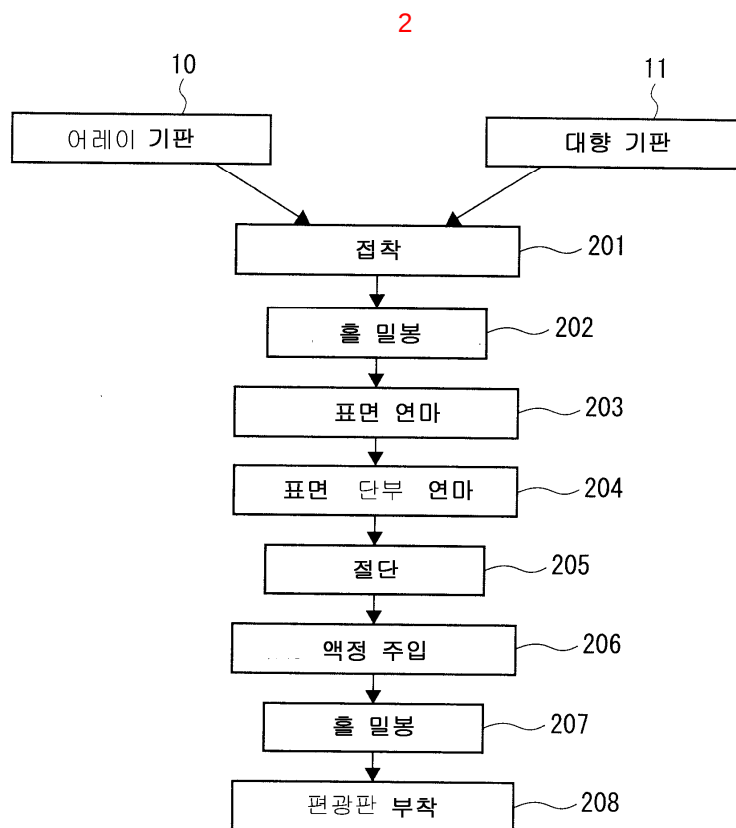
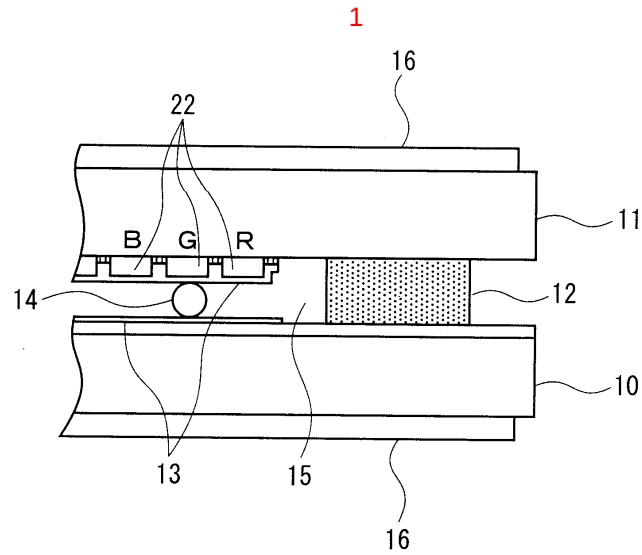
12 ;

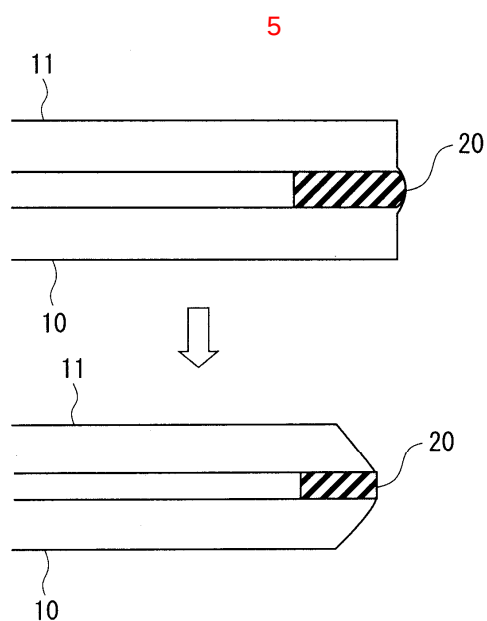
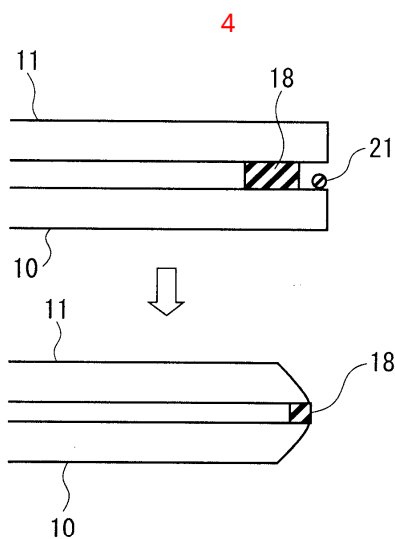
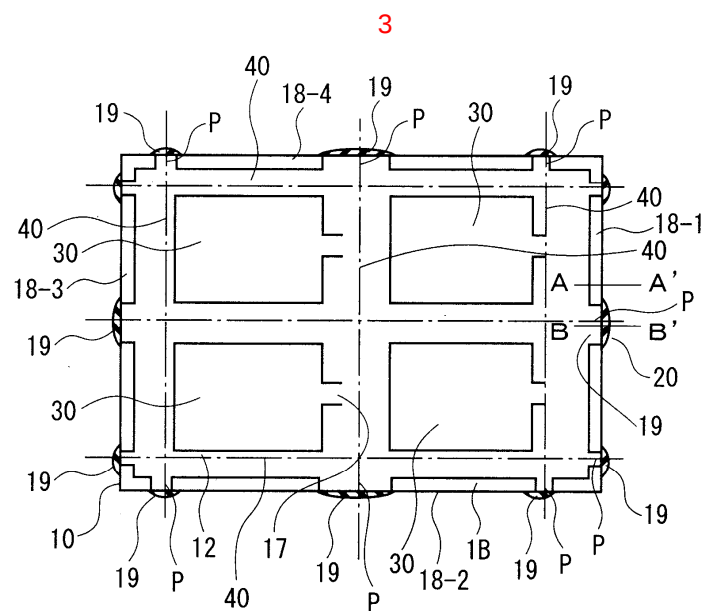
13 ;

14

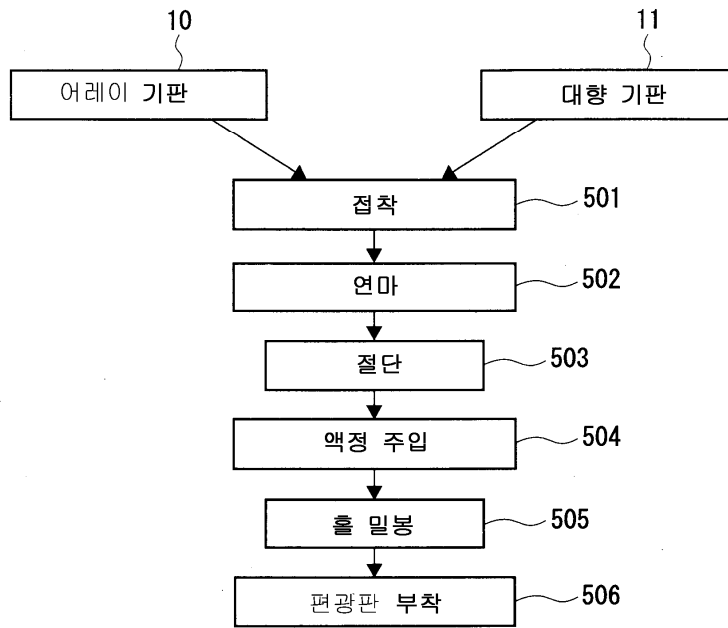
5

15

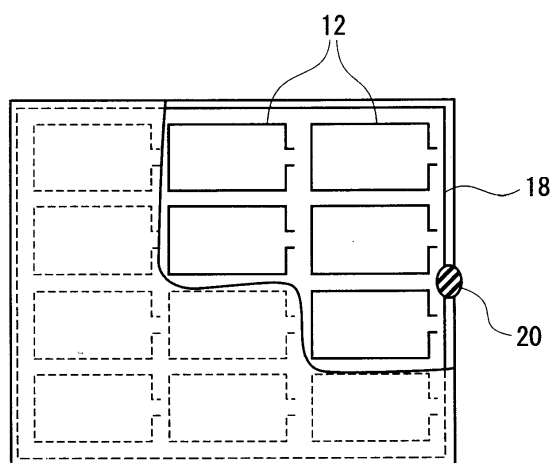




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专利名称(译)	液晶显示元件及其制造方法		
公开(公告)号	KR100382805B1	公开(公告)日	2003-05-09
申请号	KR1020000042191	申请日	2000-07-22
申请(专利权)人(译)	日本电气有限公司sikki		
当前申请(专利权)人(译)	日本电气有限公司sikki		
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发明人	가모사와히로후미 시미즈다께야		
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摘要(译)

液晶显示元件的每个液晶注入区域被内部密封部分围绕，并且整个液晶注入区域被具有第二开口部分的外周密封部分围绕，并被阵列基板和相对基板彼此接合而被包围。 ，外周密封部分的第二开口部分由孔密封材料密封，阵列基板和相对基板中的至少一个的表面由研磨材料抛光，然后去除研磨材料，通过沿第二开口切割分离，可以制造薄的液晶显示元件，同时提高质量和产量。 3 指数方面 液晶显示元件

