

(19)
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(B1)

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2004 08 30

(21)	10-2002-7012912	(65)	10-2002-0086731
(22)	2002 09 28	(43)	2002 11 18
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(86)	PCT/JP2002/000567	(87)	WO 2002/61794
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(81) : , , , ,

EP : , , , ,

(30) JP-P-2001-00022165 2001 01 30 (JP)
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(73) 가 가 1 1 1

(72) 628-30

가 1070-4

3429-6

가 가 2-28-9

1 20-19

3 692-1

1 17-15 201

(74)

:

(54)

1

가

4

(funnel)

(envelope)
가

(deflection yoke)

3
(aperture)

3

2가

3

가

가

가

가

(through hole)
(lumina

nce)

Eb

가

가

. Eb

가

Eb

가 가

가 가

가
,Eb

가
가

가

20% 가

80%

(electrode)
4 가

. 4

52-87970, 52-87972, 52-89068, 56-3951 ,
63-62129

4,427,918

52-87970, 52-87972, 52-89068, 56-3951

2

가

가

4,427,918

가

(ridge)

가

가

가

가

(eclipse)

가

가

가

가

가

가,

가

가

가

(stripe-shaped)

가

가

가

가

가

가

가

가

가

가

(moire)

가

가

가

가,

가

(grading)

가

가

가

가

가

1 ;
 2 ;
 3A ;
 3B ;
 4 ;
 5 ;
 6A ;
 6B ;
 7 ;
 8 ;
 9 ;
 10 ;
 11 ;
 12 ; (ov
 ercoat layer) ;
 13 ;

1 (10) (10)
 (2) (1), (4),
 (3) (3) (1) (7)
 (6) (1) (8R, 8G, 8B)
 (3) (9) (3) (9) Z 3 (8B, 8G, 8
 R) (X) (1) (4) (8G)
 (shield)가
 (12) (10) (6) (14)
 (12) (12) 가 (20)
 (14) (18)가 (20) (18)
 (12) (14) (15)가 (1) (Z),
 2) (1) (12) (17) (10) (9) (X) (Y)
 (X), (Z) (X) (9) (Y)
 (7) (9) 3 (8B, 8G, 8R) (4) (6)
 (12) (6)
 2 (6) (40) 가 3
 (42B, 42G, 42R) (40) (1) (Y) 가
 (40) (X) (12) (21)
 1 3B (20), (19)
 (18)가 (20) (19) 가 (20b)
 (20a)
 (19) (Y) (X)
 (19) (32) (34) (3)

4) (12) (X) (Y) (34)

(12) (19) (34) 1/2 (Y) (X)

(19) (19) 가 (20a) (20a) (X) 가

가 (12) 0.22mm (-) (19) (19)

(X) 0.6mm (X) 가 가 가 (19) (Y)

가 (Y) 0.75mm (X) 0.82mm가 0.50mm

(Y) 0.46mm (X) 0.18mm (X) 0.20mm 가, (X) 46 ° 0.

가 (12) 0.06mm (20a) 가 0.2μm (50) 1.0E + 1

0.15μm 3 (50) 5 (50) 7.5 + 14 cm 0.08mm

2 cm 1.0E + 15 cm 5.0E + 12 cm

JIS C2141 'Ceramic material test method for electric insulation'

4 6B (50) (50)

(20a) (19) (Y) (X) 0.25mm, 0.

(50) 가 (50) (50)

03 0.05mm 가 (50) (borosilicate) (50) /

(50) (19) (20a) (X) (20a) (20a) (12)

(19) (34) (50) (8) (34)

6B (20a) (X) 가 (50) (20a) (20a)

(X) 가 , 2 (19) (19) (50) (20a)

7 (5) 가 (-) (5) (9) (8) 가

(12) (12) (34)가 가 Eb

4 7 (50) (12) 4 2 (50) 4 (

34) (34) 가 (8) (6) (34) (12) (Y) (X) (32) 가 가 가

(20a) (19) 가 가 (50)

(34) (20a) (X) (8) (50) 6B 2 (50)

(8) (8) (50) (20a)

(20a) (X) (50) (19) (50)

(20a) (8) (50) (5) (50)

가 (5) (5) (50)

가 (5) (50) (50H)

(eclipse) 가 (50) (50) (workability)

가 (50) 3 5 3 (50)

(50) 가 0.2 μ m 0.15 μ m 8

가 (50) 0.2 μ m 8

(50) 1.0E + 15 · cm 7.5E + 14 · cm 9

(50) 1.0E + 15 · cm (50) (12)

(50) 가 1.0E + 12 · cm 0.8 가

(50) 1.0E + 12 · cm 5.0E + 12 · cm 10

(50) 1.0E + 12 · cm 가 (50) 1.0E + 12 · cm 가

11 (20a) (52) (34) (52)가 12 (53)

(52) (paste) (carbido)

I acetate) 가 (52) (53) (53) (cracking)

100 ~ 150 (52) 150 (peeling) ~ 300

가 가 (52) (12)가

(20) (53) (18) (52) (53) (53)

(52) (20a) (53) (53)

(54) , ,

(53) (12) 500 600 (54) (53) (

50) (12)가 (53) (50)

(53) 가 (50) 가 (50)

(50) 가 (54) (54) (50)

가 (54)

가

가 (50) (50), , 2 (50) 1

(50) / (50)

(50)

(dot-shaped) 가 4

(island-shaped), 가

(tensioned mask) 가

가

가

- (57)
1. ; ; ;
 2. 1 , 가 0.2 μ m , 3 , 1.0E + 12 1.0E + 15 . cm
 3. 1 ,

가

4.

1

,

가 10 μ m

5.

3

,

가

6.

5

,

7.

3

,

8.

3

,

가

9.

8

,

가

10.

3

,

11.

1

,

12.

11

,

13.

2

,

0.15 μ m

14.

2

,

5

15.

2

,

5.0E + 12 7.5E + 14 · cm

16.

;

;

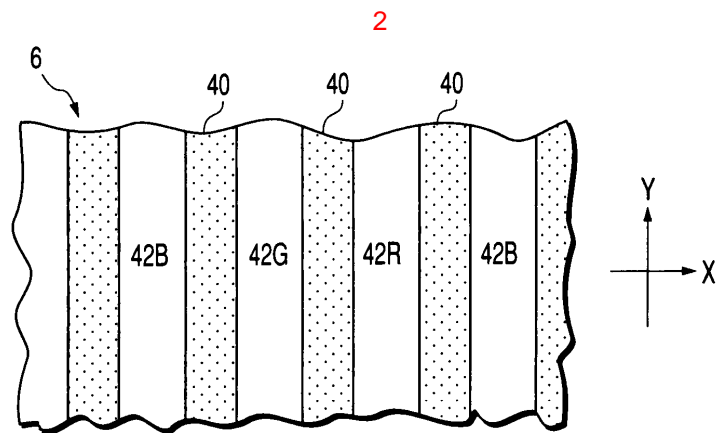
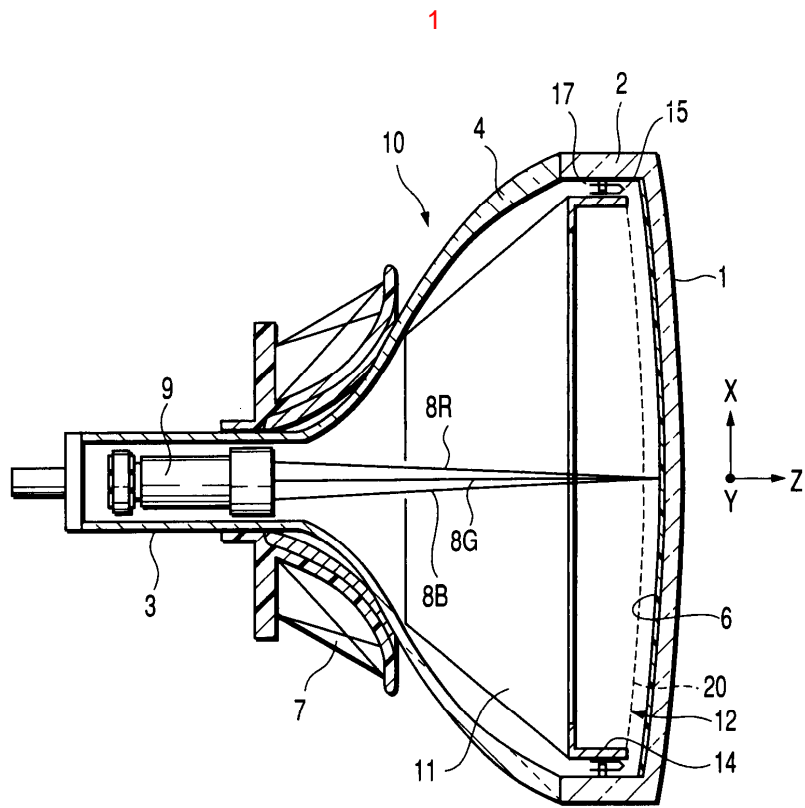
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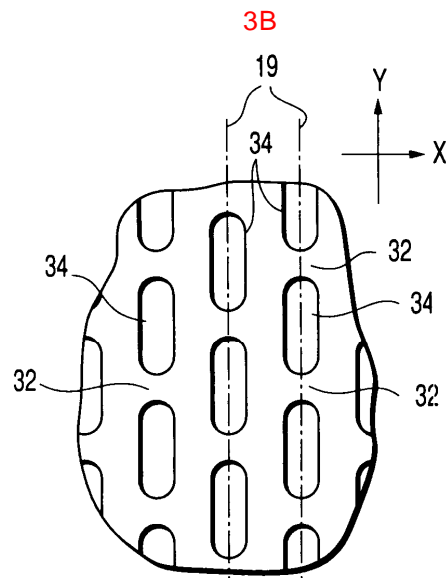
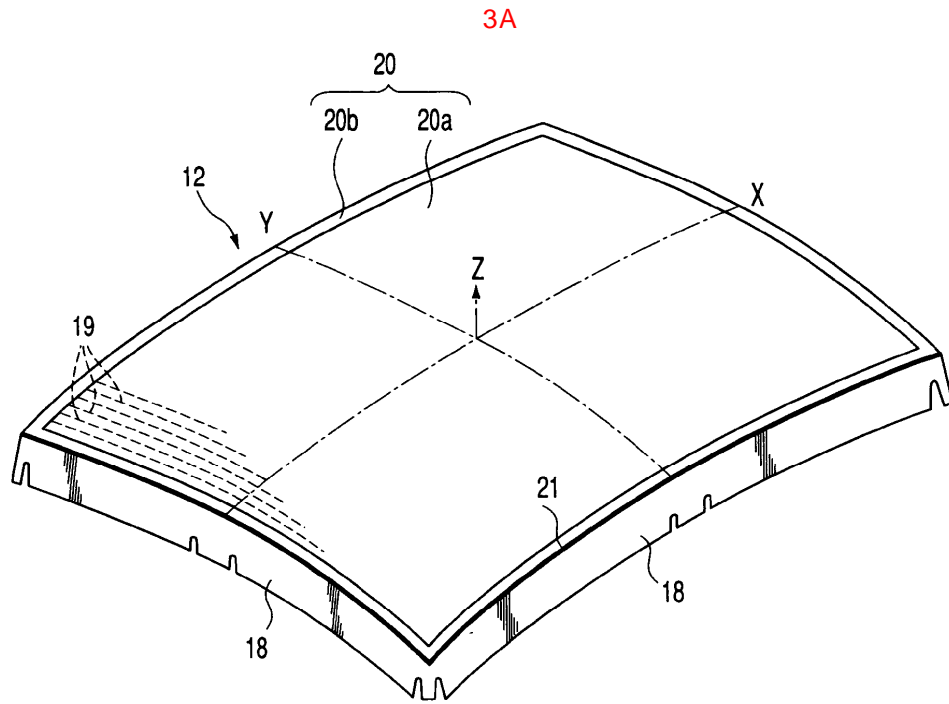
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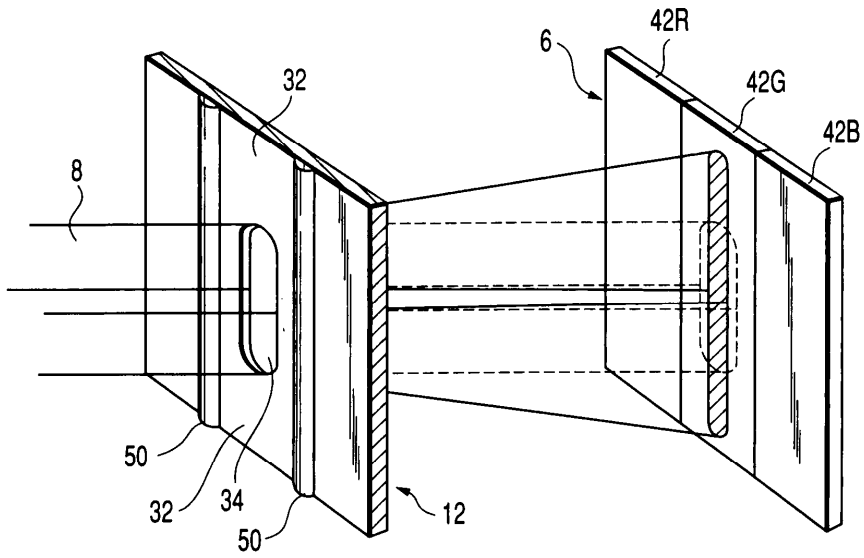
;

17.
16 ,
가
18.
17 ,
가
19.
16 ,

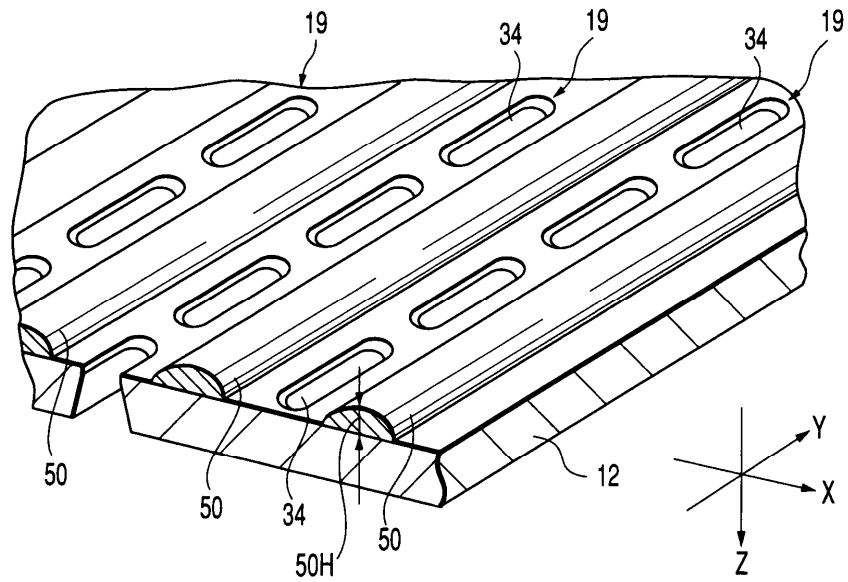




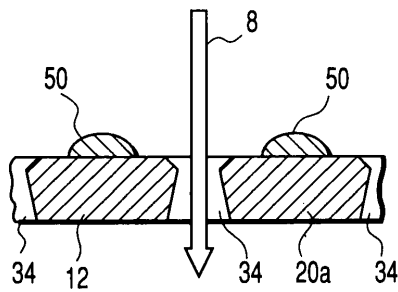
4



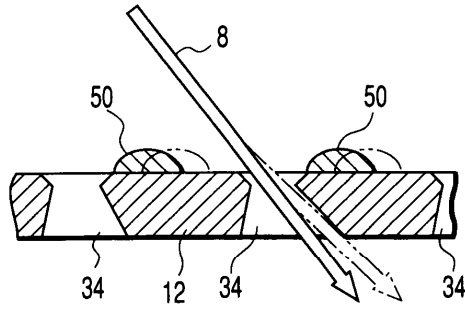
5



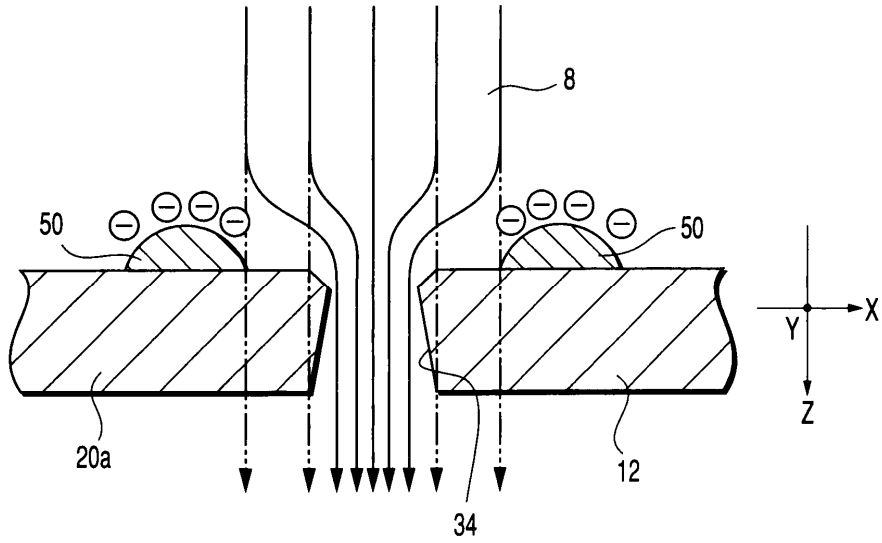
6A



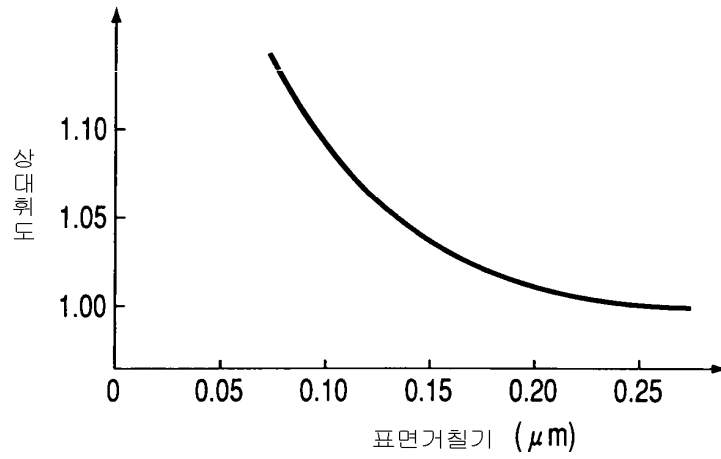
6B



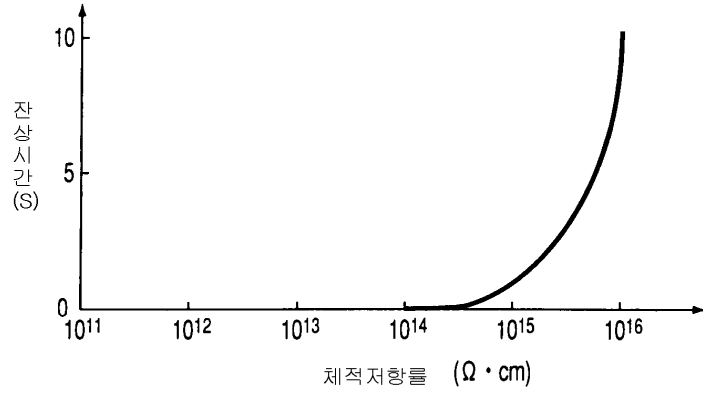
7



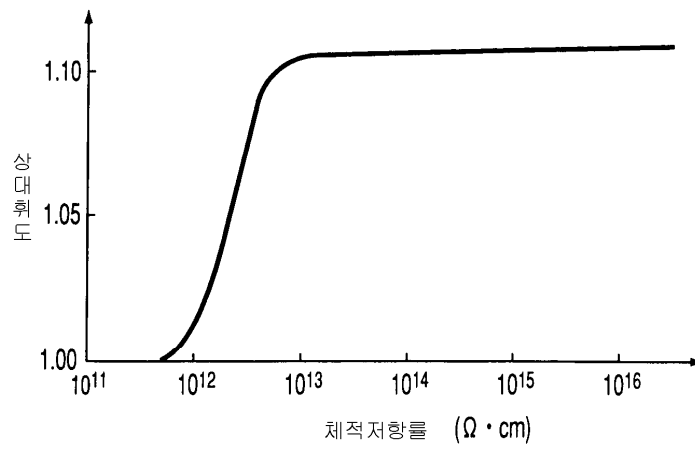
8



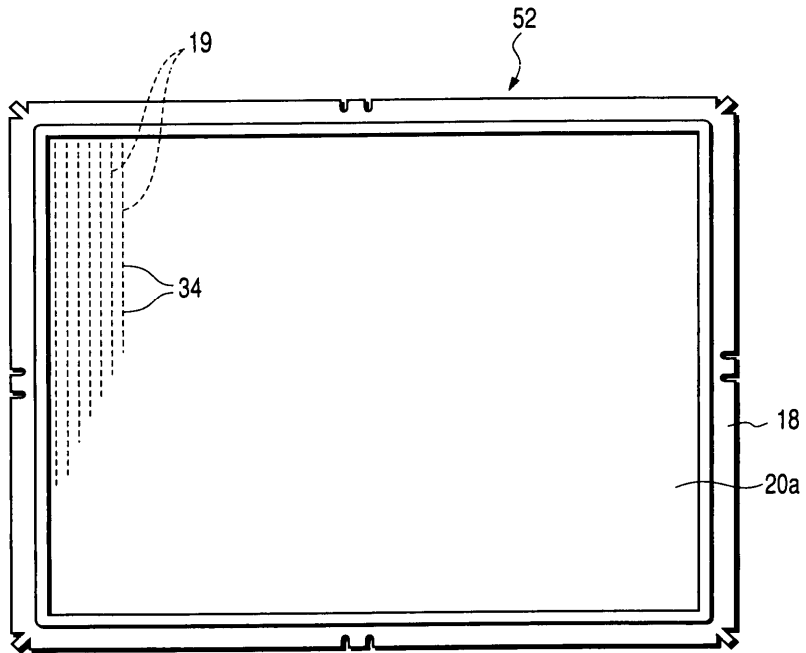
9



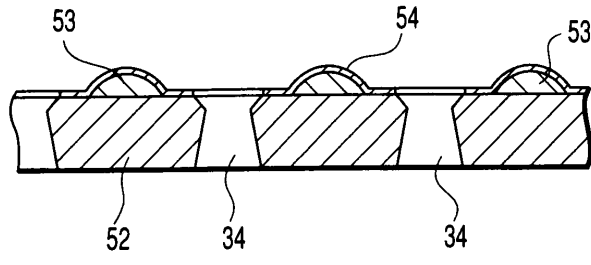
10



11



12



13

