

(19)
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(A)(51) 。 Int. Cl. ⁷
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(43)2001 - 0088741
2001 09 28(21) 10 - 2001 - 0052209
(22) 2001 08 28

(71)

1 41

7

(72)

879 - 16

208 - 401

(74)

:

(54)

EL

,

,

,

가

,

EL

.

ITO

,

,

,

,

,

.

,

EL

가

, 가

,

가

가

.

1a, 1b EL ,

2 1 EL ,

3 2 EL ,

4 3 EL ,

5 4 EL ,

6 EL ,

7 EL ,

8 EL .

* *

200a, 200b, 200c, 200d: EL ,

220a: , 220b: ,

220c: , 220d: ,

222: , 224: .

EL , EL

EL TFT (LCD) 가 , 가

(Back Light) , 가 ,

(Back Light), 가 가 1/1

000 가 LCD 가

1a, 1b EL 1a, 1b (Full Color) EL(passive type) .

EL (2, 2') (4) ITO(Indium Tin Oxide; 6)

ITO(6) (Hall) (8) 가 , ITO(6) Al (16)

ITO(6) (16) ITO(6) (14) (8)
 (+) (-) 가 (8, 14)
 EL (12)

(Flexible) (18) DCM 2, DPVBi EL (12)
 R.G.B

EL (2, 2') (22)가 BaO EL
 가 EL 100 가

EL (2, 2') (20) (20')가 (가)
 (16) (20) SUS430 BA 가

EL DCM2, DPVBi 7 (1, 2) 10000
 , 80 100 가

1/3 7 1 (20') EL , 2 (20) 1.8
 EL (20) 가 (20') SUS430 BA

R.G.B EL (12) 가 , R.G.
 B EL (12) 가 EL (12)
 e)가 가 (White Balanc

1a 1b EL (20, 20')가

(22) 가 BaO 가

EL

ITO ; ITO
 (Hall) ; ITO ; ITO
 ITO ;
 EL

EL , 0.2 ,
 EL 가 .

EL 가 .

2 ITO , ITO ; ITO (Hall) ITO ; ITO ; EL ; EL , 0.3 , EL 가 .

(dark tint glass)
 EL 가 .

3 ITO , ITO ; ITO (Hall) ITO ; ITO ; EL ; EL , 가 , 4.0 um EL 가 .

EL 가 .

4 ITO , ITO ; ITO (Hall) ITO ; ITO ; EL ; EL , 0.1 mm , EL 가 .

가 .

가 .

3가

[1]

$$Q_b = \sigma T^4, Q = \varepsilon * Q_b$$

, Q_b , ε , $0 = \varepsilon = 1$, σ , T , Q , ε

1, ε 가 가

[2]

$$Q = h(T_w - T_\infty)$$

Q , h , T_w , T_∞

가 SUS가 15 20, (W/m*K), 400 (300 °K)

2 1 EL, 3 2 EL

aling) 1a, 1b 0.1 BA(bright anne 0.9). 가 가

, 2 3 (220a) DX 가 400 Fe 0.3 Fe203

3 0b) 가 87% (Clear Glass) 60 (22 (Semi - tint)

4 3 EL, 5 4 EL

, 4 (220c) 4um (Sand Blast) (2 20c) 가

[illegible]

, , , 가 . , .

, EL
가 .

, EL
가 , EL
가 , 가
가 , 가 .

(57)

1.

ITO ; ITO (Hall) ; ITO
; ITO , ITO
; ;
EL ;
EL ,

0.2 , EL .

2.

1 , EL .

3.

ITO ; ITO (Hall) ; ITO
; ITO , ITO
; ;
EL ;
EL ,

0.3 , EL .

4.

3 , (dark tint glass)
EL .

5.

ITO ; ITO (Hall) ; ITO
 ; ITO , ITO
 ;
 EL ;
 EL ,
 ,
 가 ,
 4.0 um EL .

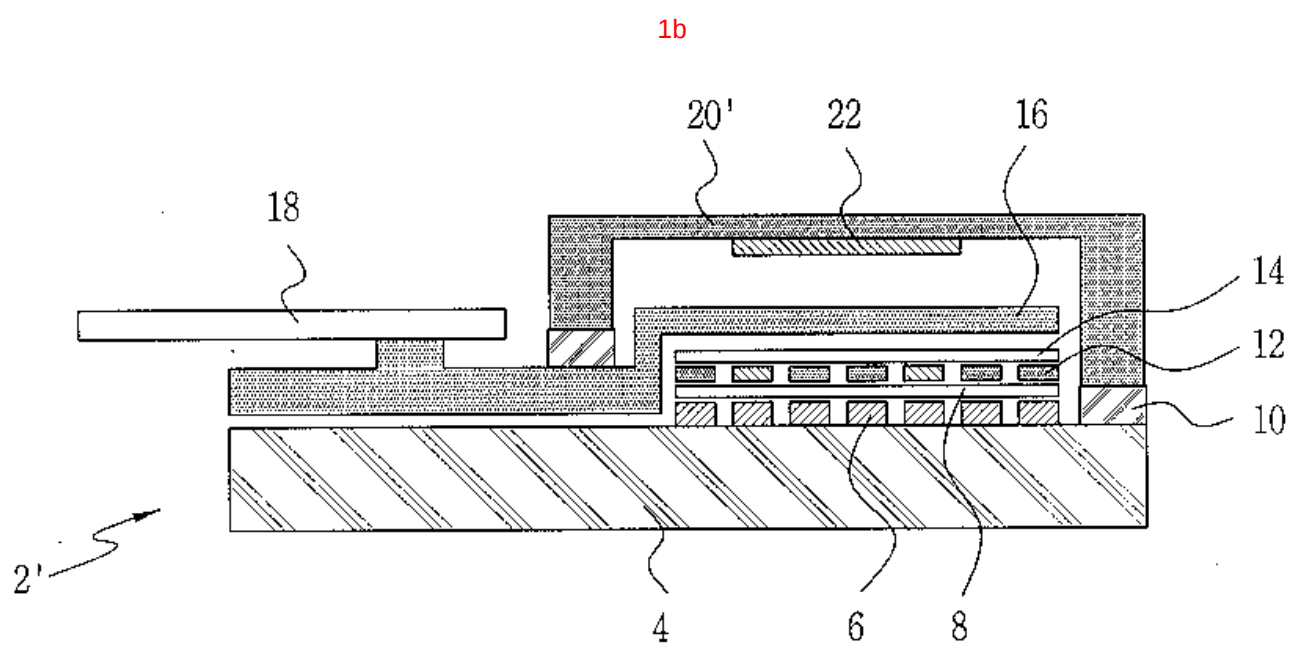
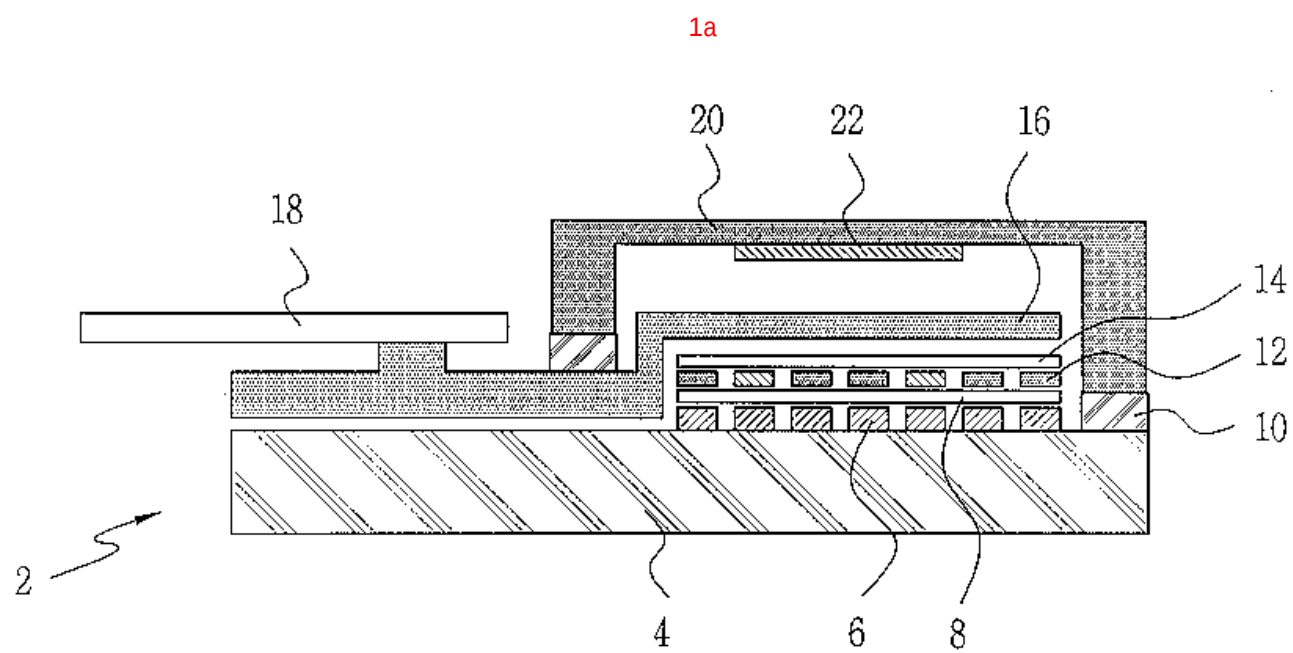
6.

5

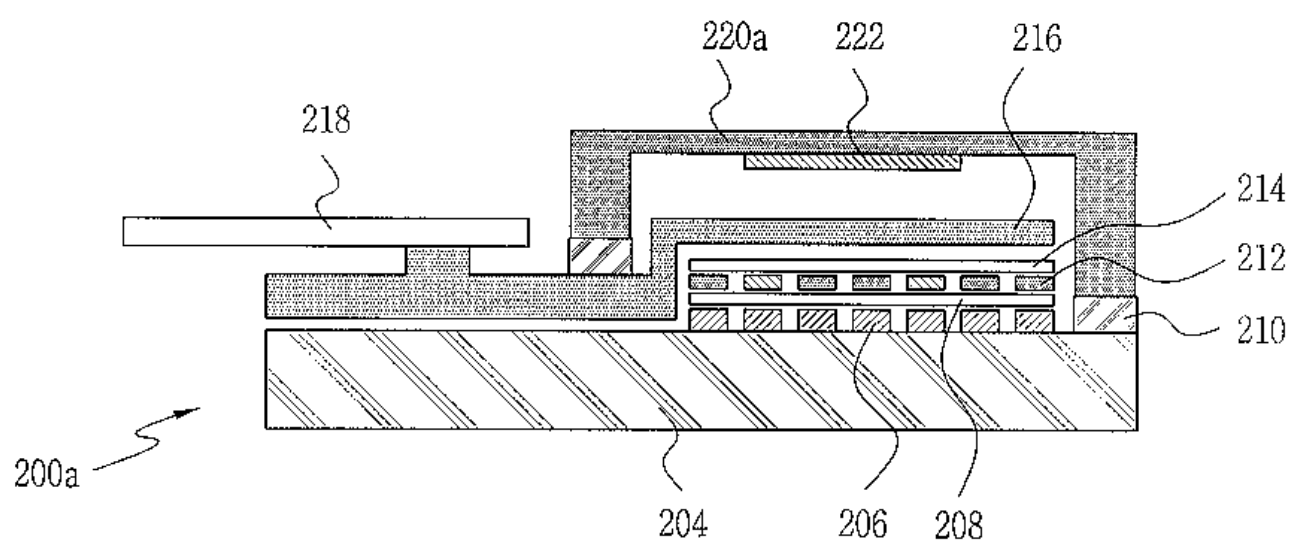
,
 EL .

7.

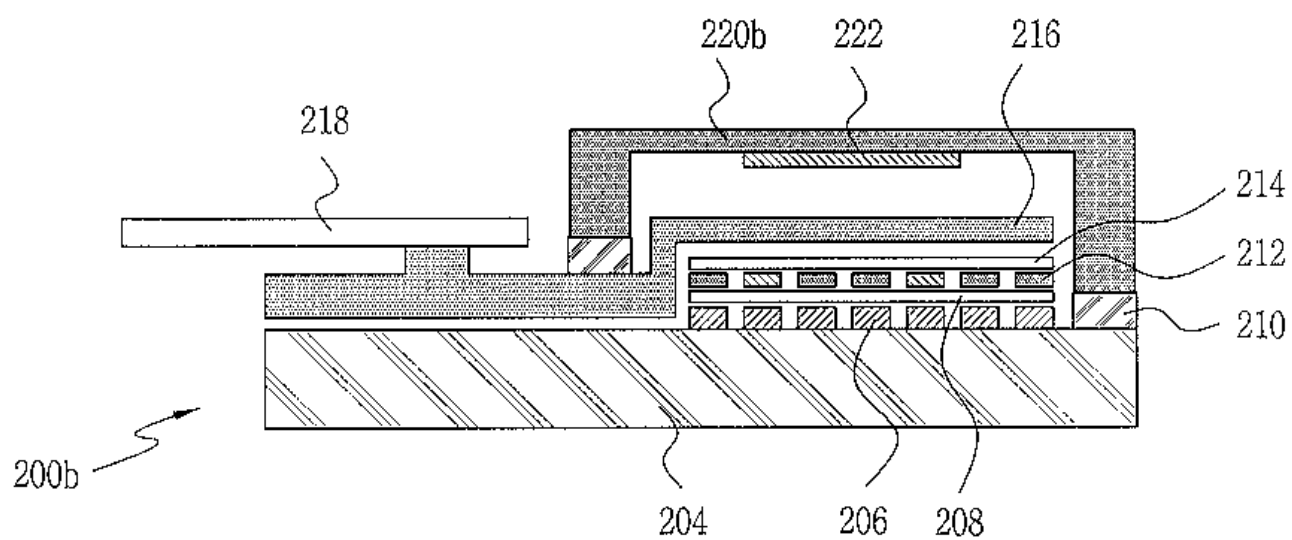
ITO ; ITO (Hall) ; ITO
 ; ITO , ITO
 ;
 EL ;
 EL ,
 ,
 0.1 mm ,
 EL .



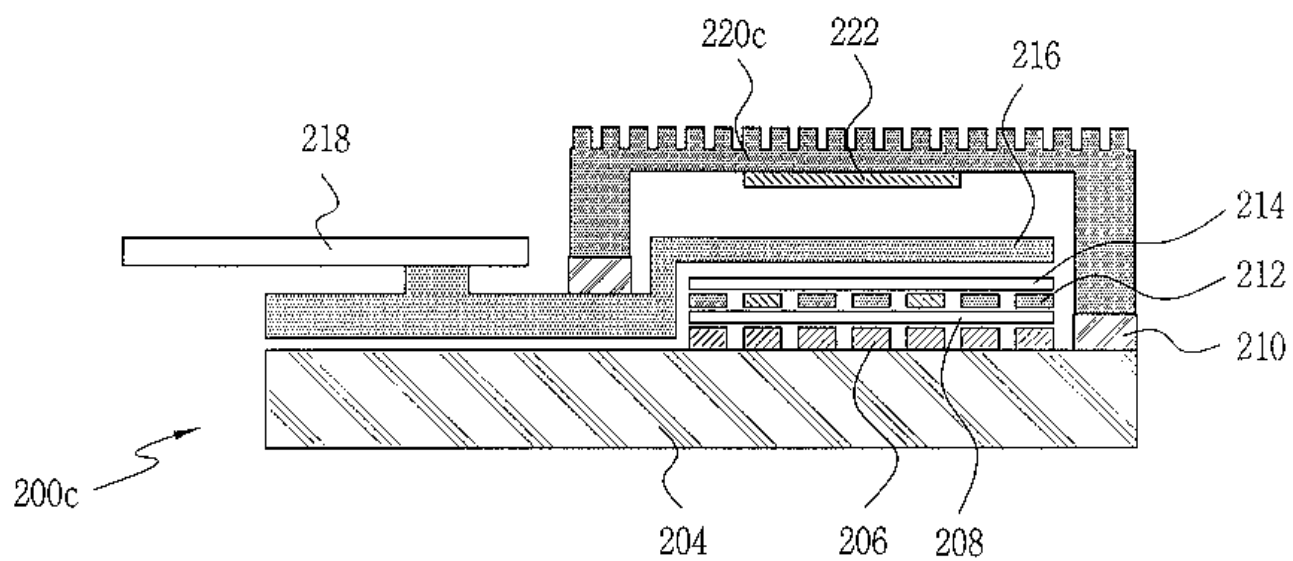
2



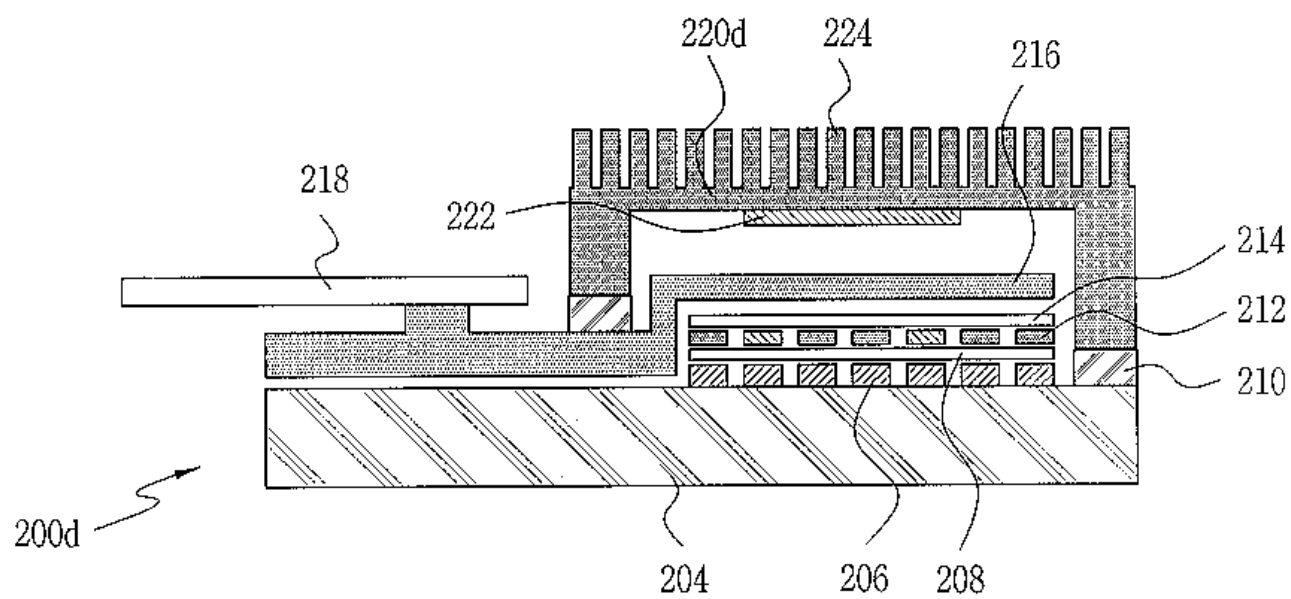
3

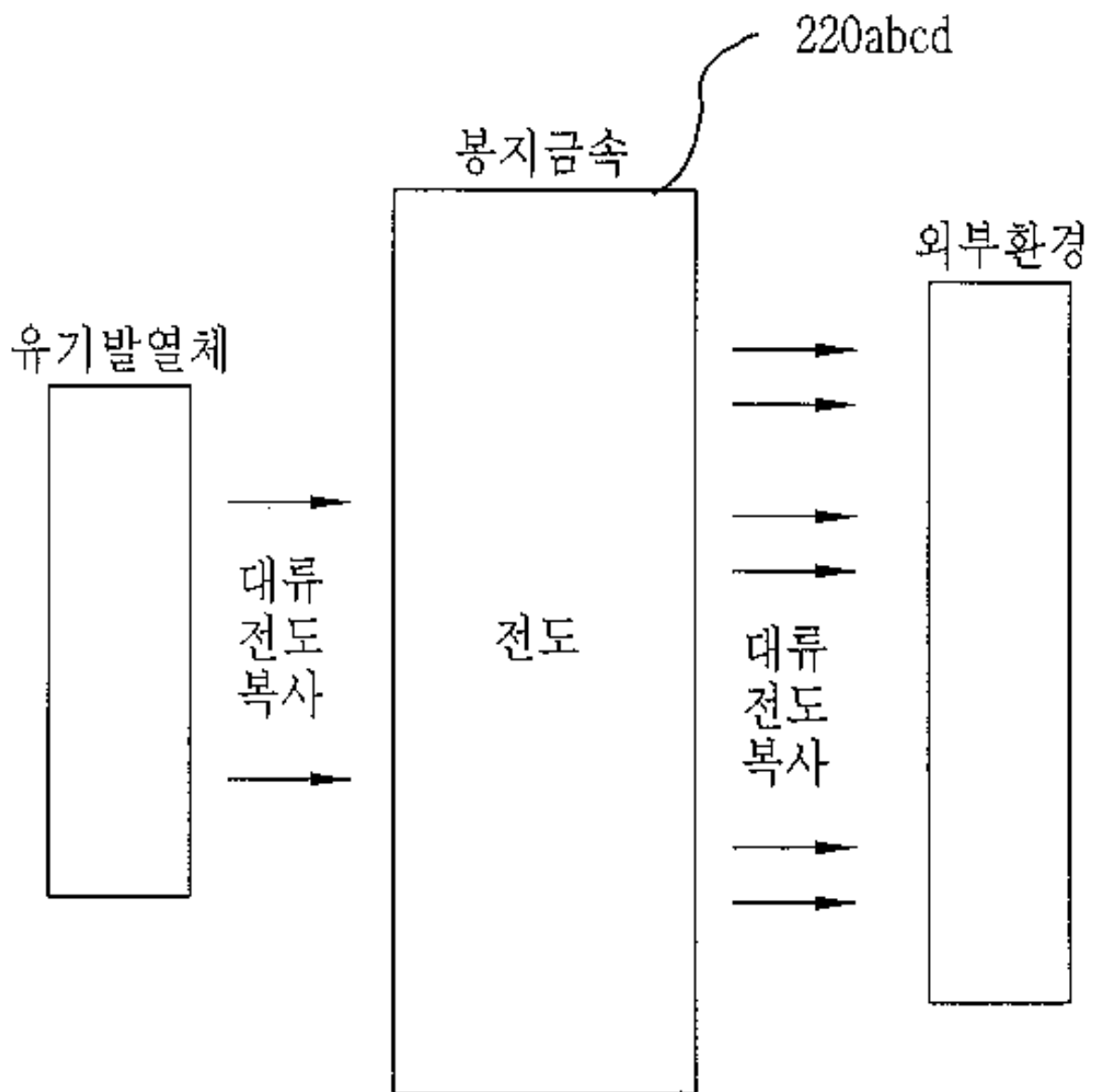


4

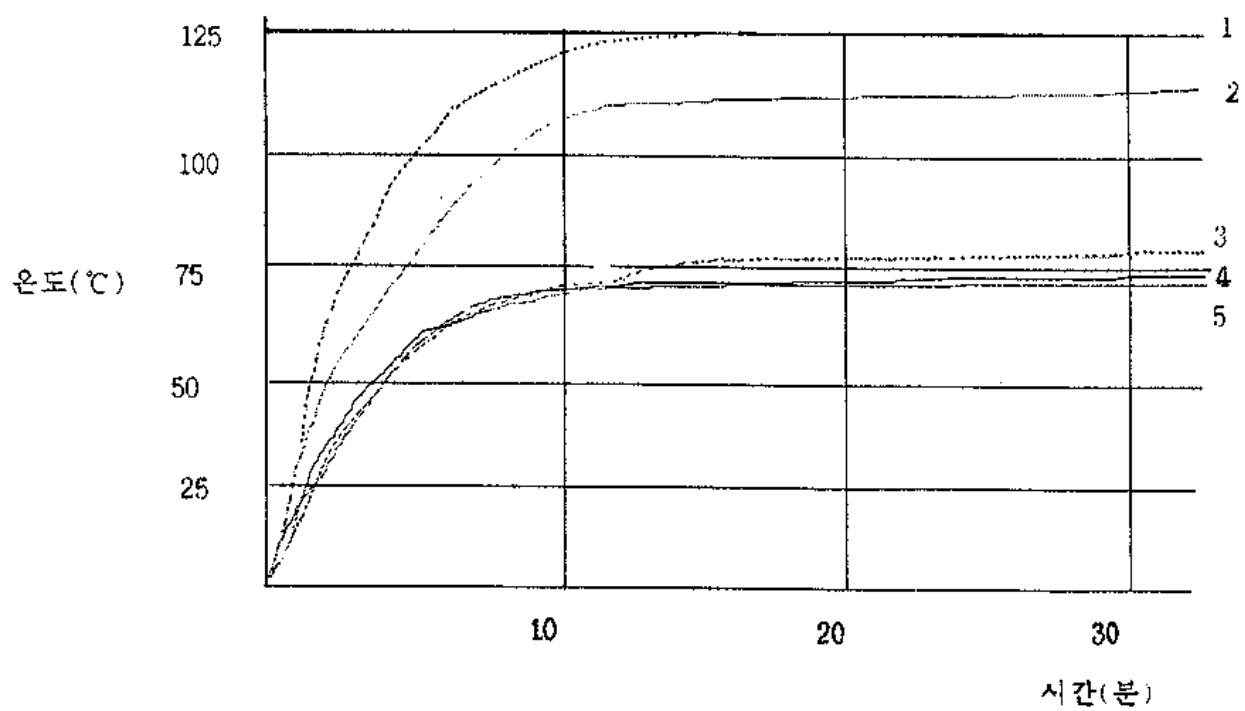


5





7



8

