

(19)
(12)

(KR)
(A)

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(71) 23 202

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30-17

18 808

(74)

:

(54)

(electron oscillation)

(cathode)
(hollow)

가

(micro hollow)

1 2 가 가 2 , 1 2 , 1 , 1 ,

,

,

.

1

, ,

1 .
2 .
3 1 2 (microhollow cathode) .
4 .
-- --
11, 12 : 1 12, 22 : 2
K1 K4 :
A : (glass plate) B :
C : (electrode) D : (dielectric layer)

(electron oscillation) (cathode)
가 가 (hollow)
가 2 (Hg) (N₂)
(Ar) 가
(emitter) (glow lamp)
가 가
2 가
가 가 가
(Hg ; mercury)
()
가

(electron oscillation) 가 (hollow) (cathode) ,

가 ,

가 (micro hollow) 1 , 1

2 , 1 2

가 가 .

가 (micro hollow) 1 , 1

가 (micro hollow) 2 , 1 2

가 가 .

1 , 2 (microhollow cathode)

3 1 2

1 2 (12, 22) , 1 (11, 12) 가 가 .

1 1 (11) 1 (K1; Cathode 1) 2 (K2; Cathode 2) 2 (12) 가 .

2 (K1; microhollow Cathode 1) 2 (K2; microhollow Cathode 2) , 1 (21) 1 (K3; microhollow Cathode 3) 3 (K4; microhollow Cathode 4) 4 .

1 2 (B) 1 (11, 21) 2 (12, 22) , (B) .

가 (Anode) (Cathode) (Potential) 가 (Cathode), 가 (Anode) , (mechanism) 가 .

가 가 .

t ,

e) , 가 (K1 K4) t (Anode) (Cathode) (K1 K4)

(Cathode)

1 (11, 21) 2 (12, 22)

가

(A ; glass plate), (C ; electrode), (K1 K4) 3 (D ; dielectric layer)

(microhollow cathode) (cathode) (electron oscillation) 가 가
(hollow) (hollow)

(A)

(C)

(D)

(K1 K4)

(B)

(exicted)

(ionized)

(phosphor)

(electron oscillation) (microhollow cathode) (cathode) 가 가

 $\left(\frac{p \cdot D}{r} \right) \times \left(\frac{p \cdot D}{r} \right)$

(Pachen curve)

(K1 K4 ; microhollow cathode) 가

가

가

(exicted)

(ionized)

4

1 (11)

2 (12)

(B)

가

1

2 (12)

4 (A)

1 (11)

(B)

panel lamp)

(12)

(B)

5 (B)

1 (11)

(reflective type flat

2

(transmission type flat panel lamp)

가

(Hybrid type flat panel lamp)

(11)

가

(12)

(B)

, 2

1 (11)

2 (12)

(B)

(B)

가

가

LCD , 가

(57)

1.

가

(micro hollow)

1 ; ,

1

2

,

1 2

가 가

2.

가

(micro hollow)

1 ; ,

1

가

(micro hollow)

2

,

1 2

가 가

3.

1

2

,

1 2

(glass plate);

ow)

(electrode); ,

(electron oscillation)

(micro holl

(dielectric layer)

4.

1

,

1

(reflective type flat panel lamp)

5.

1

,

2

(transmission type flat panel lamp)

6.

1

2

,

1

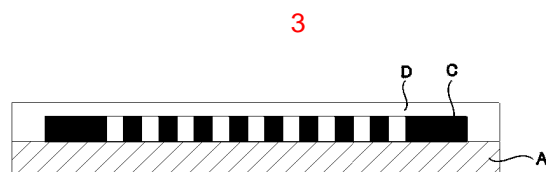
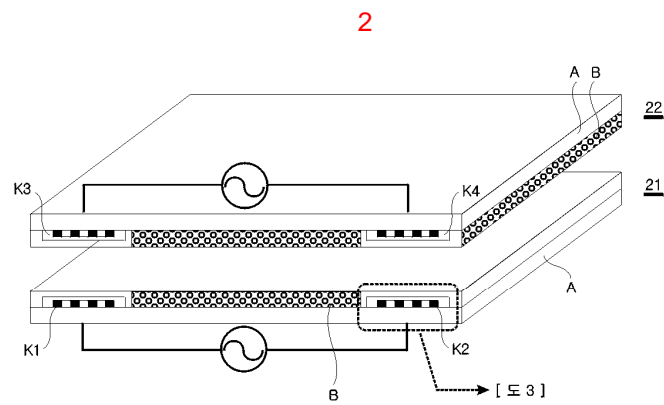
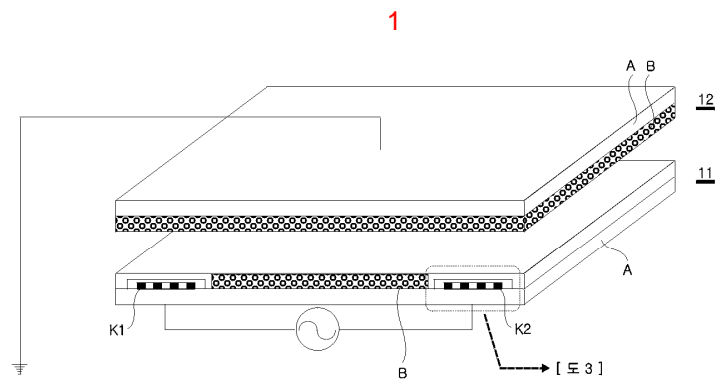
2

(Hybrid type flat panel lamp)

7.

1 2

(S)



4

