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(12)

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| (30) | 02076852.9 | 2002 05 10 | EP(EP) |
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$$(71) \quad \begin{array}{c} \text{.} \\ \text{.} \\ \text{1} \end{array}$$

(72)                    ,                    ,                    .  
                               -5656                    .                    6

-5656 6

5656

(74)

•

(54)

US 5,124,204 ( 1 ), (2) , (4) , (3)  
 , (5) 가 . EL (2)  
 , EL (6)  
 (sealing plate)(7) (7) (9) .  
 , 가  
 , 가 , , .  
 , ( ) .  
 가 , 가 .  
 , .  
 . 가 , / .  
 , .  
 , (hydrogen get  
 ter) , 가  
 . 가 , 가  
 , .  
 ( 가 ), ,  
 / .  
 , 가 , ,  
 , .  
 , 가 ( )  
 .  
 가 , / .  
 EP 777 280 ,  
 (thermal coefficient matching layer) (gettering material)  
 가 (low work function metal) ,  
 , ,  
 , ,  
 a) ,  
 b) ,  
 c) ,  
 d) Sc, Y,  
 e) Pd, Rh, Ni, Zr ( ) .

, C, Si, Ge, Sn, Pb, ( ), ( Ba<sub>4</sub>Al, C, Li )

가 ( ) , Al<sub>2</sub>O<sub>3</sub> 가  
(0.6 K<sub>2</sub>O : 4 Na<sub>2</sub>O : Al<sub>2</sub>O<sub>3</sub> : 2 SiO<sub>2</sub>).

, e) ZrPd , Zr<sub>9</sub>Pd<sub>1</sub>

1

2 1

3 5 가

1 ,

(1) (coumarin)( LED), (2) PPV { (P- (EL) )} PPV (1) ( LED)  
(emissive layer)(3) , (2) 1 (4)  
(LED) 2 (5) , (4) {ITO,  
(3) ) 1 (4) (row electrode  
) (5) (3) (3)

(3,4,5) , (7) (cavity)(8) 2  
(6) (2) (2) , (6) (2) ( (7)  
(3,4,5) (9) 1 (7) (9)

1

( ) , ( ) (adhesive seam)

2 ( ) 가 (12) , (14) , ( )  
가 (13) , (15) , 가 (13,14,15) ,  
(17) (12) , (17)  
EL (11)

가 가 /

가 .

15,17) . 2 , (19) , ( ) (13) , (13,14,  
(13) 가 , (19) ( ) (13) ,  
(19) (13) ,

(18) ,

a) ,

b) ,

c) ,

d) Sc, Y,

e) Pd, Rh, Ni, Zr ,

( ) .

가 , ( , a) b)) ( Ba<sub>4</sub>Al) , C, Si, Ge, Sn Pb  
( , a) b)) ( , C Li) .

(H)가 ( , Al<sub>2</sub>O<sub>3</sub>) , (0.6 K<sub>2</sub>O : 4 Na<sub>2</sub>O<sub>3</sub> : Al<sub>2</sub>O<sub>3</sub> : 2 SiO<sub>2</sub>) .

2 가 3 , 2 (19)  
(15) . (13) (15) (1  
9') { (15) (19') (13) (15)  
, (19') } . ( )가 (13)  
, 4 .

2 가 4 , 2 (18)  
) , (13) (19') , (19') . (18)  
(19') (13) , 가 (18)

(18) 가 (8)  
, ( ) , ( )  
, ( 가 , , (18) )  
, (30) .

(17) , (13,14,15)  
(19',19') .

Al (17) , 500 5000 . ,

(21) , 3 5 .

, (16) ( ) (21) (14)  
, (30) (17) , (15)

{19( 2), 19'( 3), 19'( 4)}가 , Al  
(17) , 5 (30 16)

가

가

가

(57)

1.

(sealing layer)

(hydrogen getter)

2.

1

3.

1

(pinhole)

4.

1

(hydrogen permeable layer)

5.

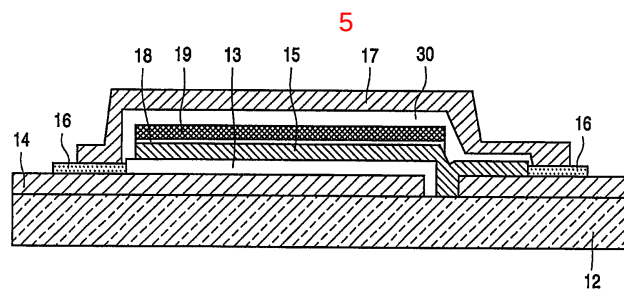
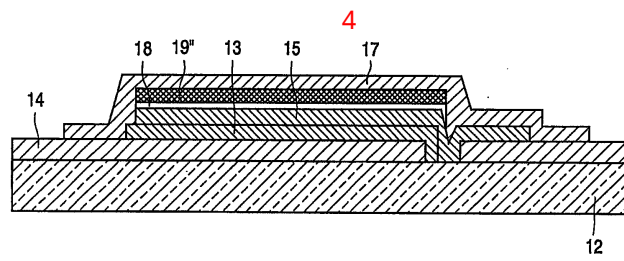
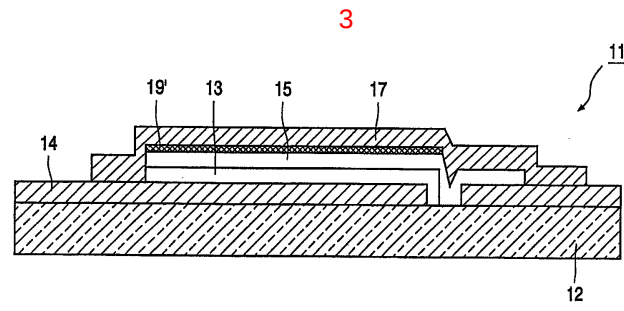
3

/ Pd

6.

1





|                |                                                                                                |         |            |
|----------------|------------------------------------------------------------------------------------------------|---------|------------|
| 专利名称(译)        | 电致发光板                                                                                          |         |            |
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| 外部链接           | <a href="#">Espacenet</a>                                                                      |         |            |

#### 摘要(译)

本发明涉及包括透明支撑板的层压电致发光板;有机器件,其中有机器件包括有机发光层到形成在透明基板上的有机器件,限制底部电极层和顶部电极层之间的多个像素;密封层的位置是为了形成围绕有机装置的气密密封,以及防水胶囊与基板的密封层。该密封层含无机物质。并且它位于胶囊内部,氢吸气剂物理连接到有机发光层的位置。它可以防止氢气吸气器在氢气吸气器工作时与有机装置一起在压力增加的情况下在胶囊内部形成。

