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(12)

(KR)  
(A)

(51) 。 Int. Cl.<sup>7</sup>  
H05B 33/04

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10-2004-0044065  
2004 05 27

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[illegible]

(72)

141-0001	가	가 6	7-35	가	가
141-0001	가	가 6	7-35	가	가
141-0001	가	가 6	7-35	가	가

(74)

• •

(54)

(11) (10R, 10G, 10B)가 (21) (22)가 (20) (30) (30A)가 (30A) (20)

， ， ， ，

， ( EL : Electroluminescence )가 ，  
 .

EL 가

EL

1

2

11-40345

11-297476

5-182759  
 2000-68049

( )

(

11-40345

11-297476

2000-68049

3170542 ).

2

EL

가

가

가

( 11-260562

).

( 11-345688

).

2  
 가

430 nm

2

1

1

2

2

2

가

가

가

1 1

2 1

3 1

4 1

5a 5c 1

6a 6c 5c

7a 7b 6c

8 7b

9 2

[ 1 ]

1 1

EL (30) (11) (10) (10R) (10G) (10B)가 (10) (20) (極薄) ,

13), (14) (10R, 10G, 10B) 2 (15) (11) 1 (12) (12), (15) (10R, 10G, 10B) (10R, 10G, 10B) , (10R, 10G, 10B) ,

(Cr) (12) , (W) ( , )가 200 nm , (Pt), (Au), (Ag),

(13) (12) (15) , (10R, 10G, 10B) (13) , 가 600 nm (13A)가 (SiO<sub>2</sub>) ,

(14) (14) (10R, 10G, 10B) 2 , (10R, 10G) (14) (14) (14) (14C) (12) (14C) (14C) (13) (13A)

(14C)

(10R) , (14A) , 가 30 nm , 4, 4', 4' - (3-  
 ) (MTDATA) (14B) , 가 30 nm  
 , [(N- )-N- ] ( -NPD) (14C) , 가 40 nm  
 , 8- (Alq) 4- -6-(p- )-2- -4H- (DCM)  
 2 %

(10G) , (14A) (14B) (10R)  
 20 nm , (14A) 30 nm , (14B)  
 (14C) , 가 50 nm , 8- (Alq)

3 , (10B) (14) (14A), (14B), (14C) (10  
 B) , (14) (14D), (14C)  
 (14D) (12)

(10B) , (14A) (14B) (10R, 10C)  
 30 nm , (14C) , 가 15 nm 30 nm (14B)  
 (14D) , 가 30 nm , Alq (BCP)

(15) , 2 3 (14C) (15B) (14) (15A  
 ) , (14C) (10) 1 3 ,  
 (14C) (15) .

(15A) , 가 10 nm , (Mg) (MgAg )  
 (15A) , (14C) (12) ,  
 (15A) (12) , (14C) (狭)  
 , (14C) ,  
 , (20) , (22)( 1  
 ) (10R, 10G, 10B)

(15A) , (12) (15A) (rad), (12)  
 (L) 1 L, (15) 1 (正) , 가  
 , 1 L , 가 nm

$$2L/ + /2 = q (q)$$

(15B) (15A) (15B) , (14C)  
 (Zn) (15B) , 200 nm

(20) , 1 (10) (15) , (30) (10  
 (10R, 10G, 10B) (21) (21) ,  
 R, 10G, 10B) (21) , (10R, 10G, 10B)  
 (22) (23) , (12)  
 , (10R, 10G, 10B)

(15)

(22) (23) (21) (10)

(22) (22) (23) (30)

(10R, 10G, 10B) (22R), (22G) (22B)

4 (10) (22) 4 (22R), (22G)

(22G) (22B) (22R)

(22R), (22G) (22B)

(22R), (22G) (22B)

(23) , 1 4 (22R), (22C) (22B)

(23) , 가 1

1 ( )( $\text{Cr}_2\text{O}_3$ )

(30) , 1 (10) (10R, 10G, 10B)가

(30) (10R, 10G, 10B) (30) (30B)

(30) (30A)가 (30A) , (30A) ,

(20) (20) (10)

5a 7b 5a (23) , 4

(21) 5b (21) (22R) (22R)

(23) (22R) 가 (23) (23) 가 (22

B) (22G) (20) (22R)

6a (11) , (12) , CVD(

Chemical Vapor Deposition ; (12) (13) (13A)

6b (13A) (14A), (14B), (13) (14D) (10R, 10G, 10B) (13A)

(13A) (13) (14) (15A) , (12) (15A)

(15B) , (10) .

(20) (10) , 6c (11) (10R, 10G, 10B) (30) (30B) 1 , 2 , 2 , (20)

(10) 가 1 ,

(20) 7a (10) (20) (30) , (22) (23) (10)

(20) 7b (10) (20) (10R, 10G, 10B) (22)  $\mu\text{m}$  (30) (20) (10) (20) (20) (10) (20) UV (30A)

(20) 8 가 (30) (10) , 가 (20) 80 2 , 60 4 가 (20) 1 4 가

가 (12) (15) 가 (14C) (1) (2) 가 (14C) (15), (30), (22) (21) (23) (15A) (20) (20) (10R, 10G, 10B) (20) 가 (10R, 10G, 10B) , (15A) (12) 가 가 (22) , 가

B) (30) , (21) (22) , (10R, 10G, 10B) (10) , (10R, 10G, 10B) (20) (10R, 10G, 10B) (30) (10R, 10G, 10B) (30) (10) (20) (22) (30) (10) (30) (30A) 가 가 (20) (30A) (10) 가 가 가 가 , (10R, 10G, 10B)가 (15A) (12) (14C) , (20) (22) (10R, 10G, 10B)

9 (21) 2 (10) , 1 (24) .

(24) , (21) 4 % (22) (23) (21) .

(24) , (SiO<sub>2</sub>) (TiO<sub>1</sub>) (Nb<sub>2</sub>O<sub>5</sub>) .

1 가, (21) (24) (21) , 가 .

(30) , 가 .

가 , (21) (22) (23) 가 .

(23) , (30) (10R, 10G, 10B) (10) , (30) (30A) , (30) (30A) .

(10R, 10G, 10B) (13) (15B) , (15A) (15A) (12) , (10R, 10G, 10B) (1) .

가 1 2 , 1 2 .

(14) (color changing mediams : CCM) ,

2 ,

가 가 가

가 가 ,

1

가,

가 가 . 가 .

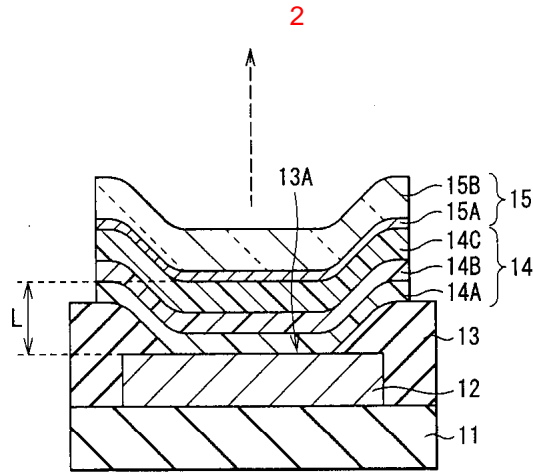
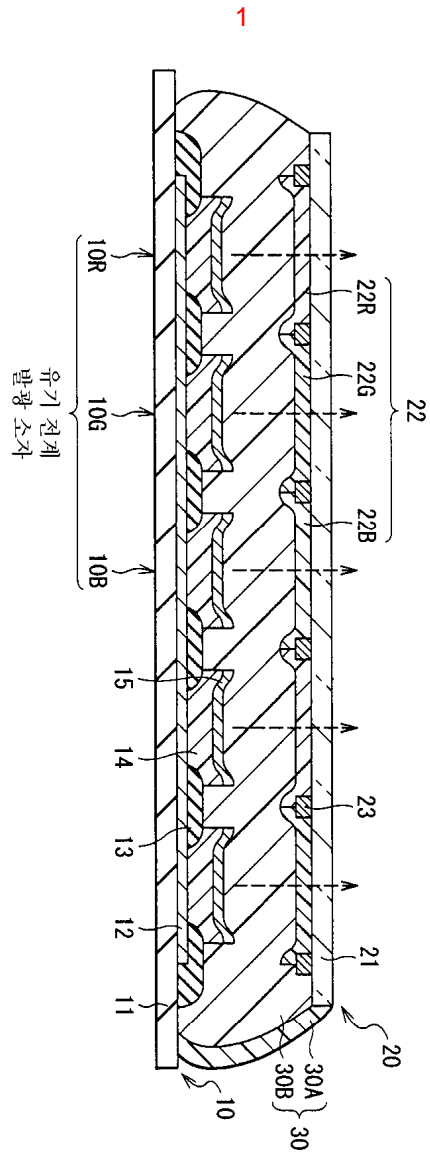
(57)

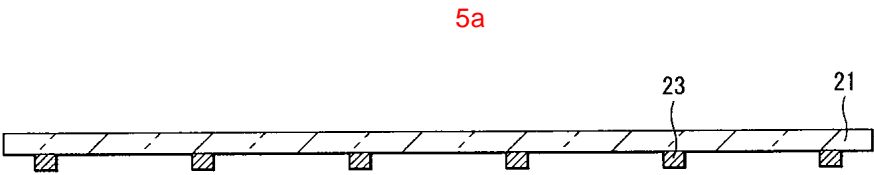
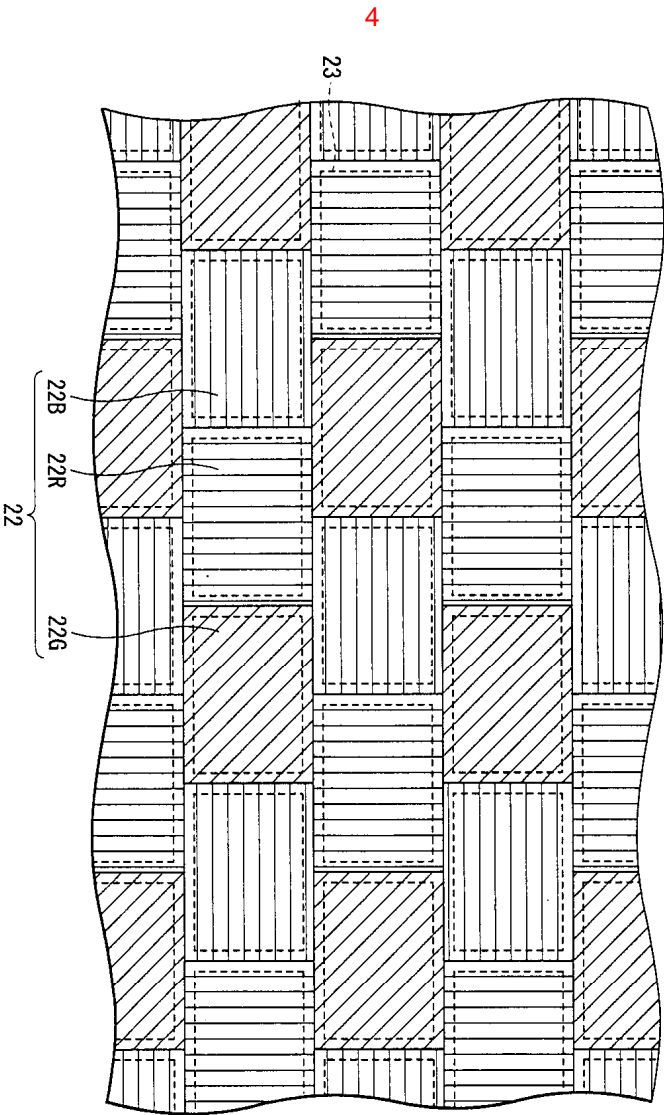
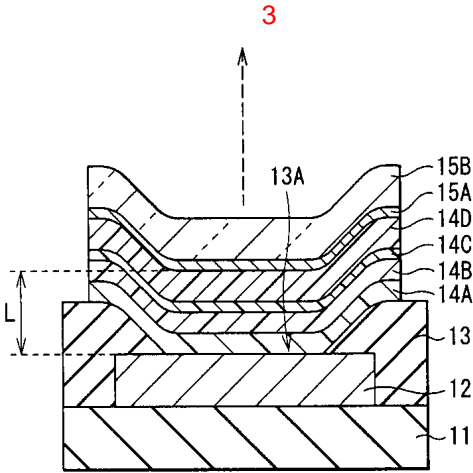
- 1. 1 1 2 , 2 2 ,
- 2. 가 .
- 3. 1 , .
- 4. 1 , 1 , 2 .
- 5. 4 , 2 .
- 6. 4 , 2 1 , 가 .
- 7. 1 , , , .
- 8. 7 , .
- 9. 8 , .
- 10. 1 , , , .
- 11. 1 , .
- 12. 11 , 가 1 , .



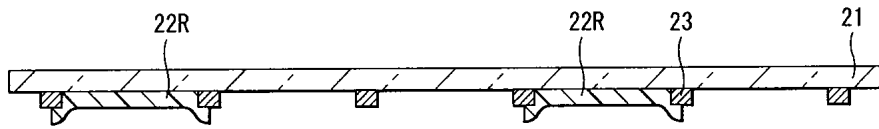
- 11      **13.**      ,  
                 .
- 1      **14.**      ,  
                 .
- 1      **15.**      ,      2      ,  
                 1  
                 .
- 15      **16.**      ,      1      ,      1  
                 L,      2  
                 ,  
                 (L)      ,      2      .

$$2L/ \quad + \quad /2 \quad = q \, (q^{\textcolor{red}{2}} \quad )$$

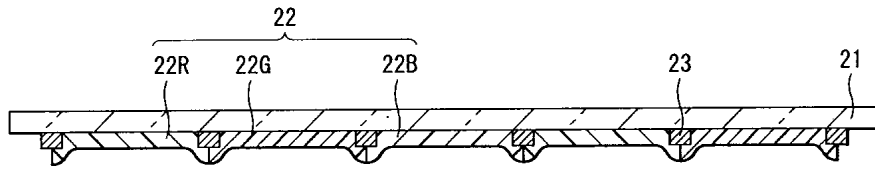




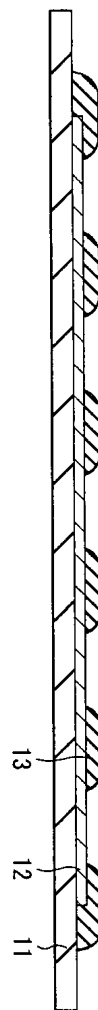
5b

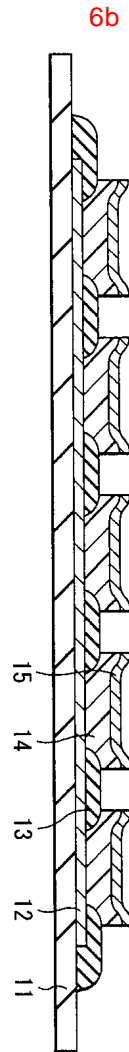


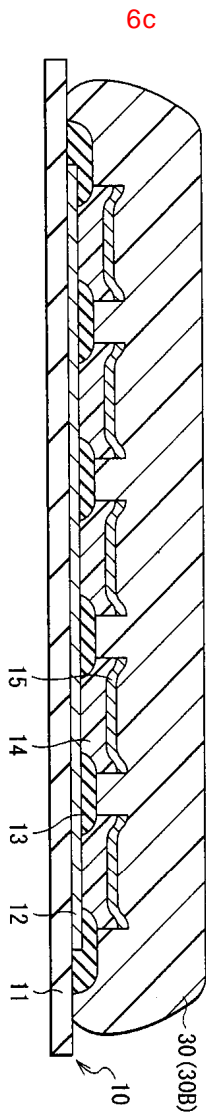
5c

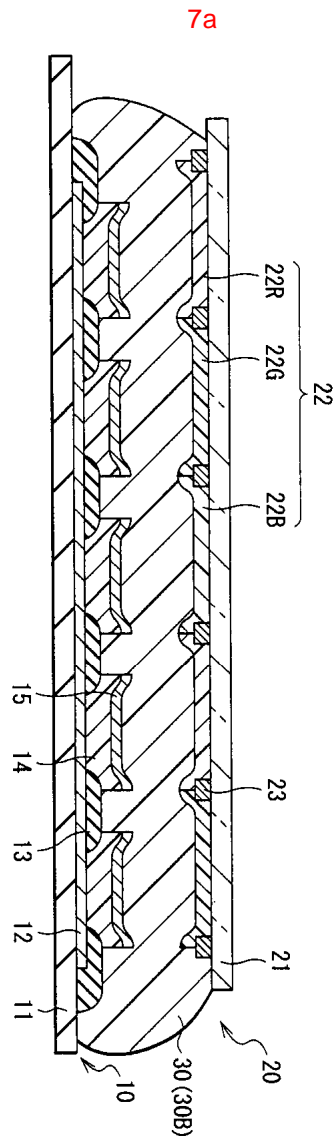


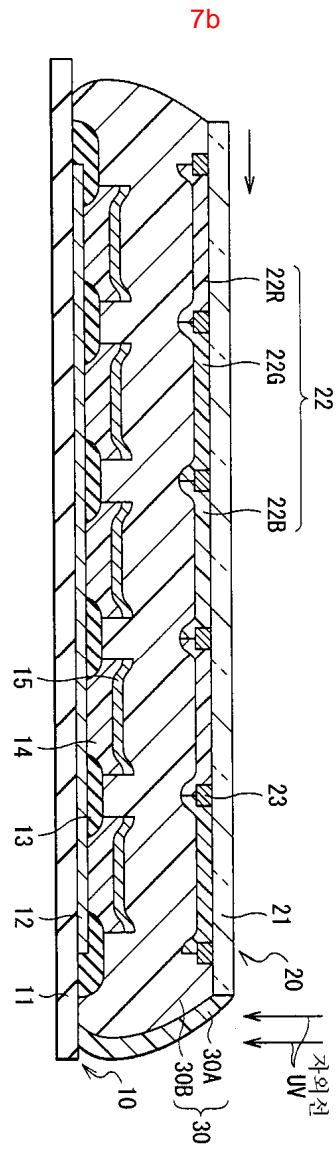
6a



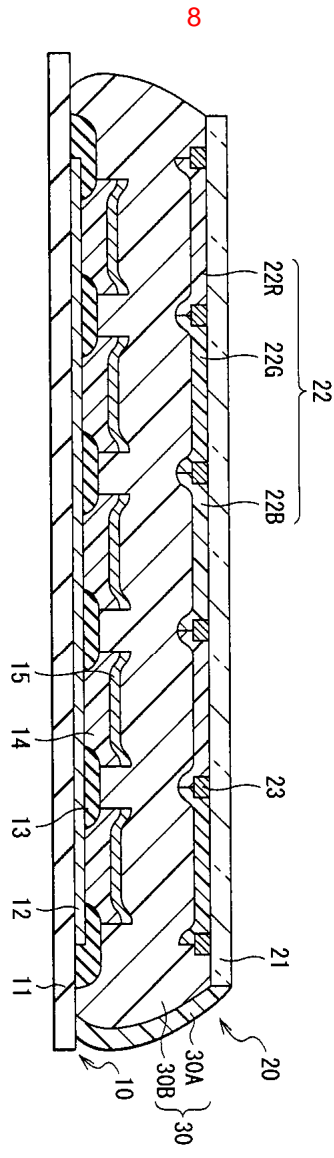


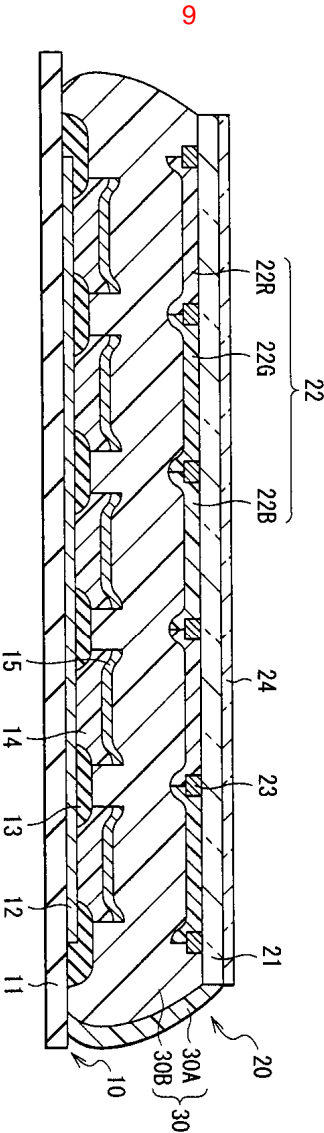












专利名称(译)	显示设备		
公开(公告)号	<a href="#">KR1020040044065A</a>	公开(公告)日	2004-05-27
申请号	KR1020027012906	申请日	2002-05-13
[标]申请(专利权)人(译)	索尼公司		
申请(专利权)人(译)	索尼公司		
当前申请(专利权)人(译)	索尼公司		
[标]发明人	IWASE YUICHI 이와세유이찌 KIJIMA YASUNORI 기지마야스노리 YAMADA JIRO 야마다지로		
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IPC分类号	H05B33/04 H01L51/50 H05B33/00 H01L51/56 H05B33/24 H01L51/40 H01L51/52 H01L27/32 H05B33/10 H05B33/02 H01L51/00		
CPC分类号	H01L51/56 H01L27/322 H01L33/08 H01L2251/5315 H01L51/5265 H01L51/50 H01L51/5281 H01L51/5237 H01L51/5284 H01L51/0024 H01L27/3211 H01L51/5246 H01L27/3241 H01L27/3251 H01L51/5012 H01L51/5218 H01L51/5234 H01L51/5262		
代理人(译)	CHANG, SOO KIL AN, KOOK CHAN		
优先权	2001336772 2001-11-01 JP 2002059040 2002-03-05 JP		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

一种显示装置，用于容易地将密封面板（20）安装在其中，其中滤色器（22）位于用于驱动面板（10）的基板（21）中，其中有机电致发光器件（10R，10G，10B）安装在该密封面板中。驱动基板（11）并从有机电致发光器件中取出光。并且提供了气密密封。驱动面板（10）和密封面板（20）面对。整个表面通过粘合层（30）粘合。在图1所示的液体中，或者，通过涂覆多于2液体的组合硬化，粘合层（30）至少用热硬化。临时固定部分（30A）形成在粘合层（30）的周边部分中。临时固定部分（30A）由例如紫外线硬化型树脂构成。并且形成在驱动面板和密封面板（20）中都被抛出。两侧的相对位置相匹配。驱动基板，有机电致发光器件，驱动面板，密封面板，粘合层。

