

(19)
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(43)2002 - 0068803
2002 08 28(21) 10 - 2001 - 0009080
(22) 2001 02 22

(71) 1355 - 26

(72) 1 139 104
5 529 806
1 7/536 - 147

(74)

:

(54)

가 , , Sus Ca

n , .

EL , ,

1a 1e .

2 .

3 .

4a 4g .

5 .

< >

100 ; 200 ;

300 ; 400 ;

500 ; 600,800 ;

700 ; 900 ;

(Organic Electroluminescent) { , EL } ,

(FPD:Flat Panel Display) (PDP:Plasma Display Panel) (FED:Field
Emission Display) , (LCD:Liquid Crystal Display)
(OELED:Organic Electro Luminescence Display) .

EL LCD 3 가 가

EL 1 .

1) ITO : (1) (ITO)(2) .(
1a)

2) : EL (1)
(3) .(1b)

3) : (2) (3) (4) .(1c)

4) : (4) (5) .(1d)

5) (Encapsulation) : EL 가 가
(Capsule) (6) (7) .(1e)
EL (6) (Sus Can)
2
(10) (20) (40) 가 (30)
(20) , (30) (ITO)
(30) (EML) , (HTL) (HIL) ,
(ETL)
(40) , 가
(50) EL (Capping) Sus Can(60)
Sus Can(60) (10) , (50)가 , (70)
(70) (10) Sus Can(60)
(20) EL (20) + 가 , (40) - 가 ,
(20) (40) 가
EL EL
EL Sus Can(60) (O₂)
(Ar) (S1), Sus Can(60) (50) (S2), (1
0) 가 (70) (S3).
, Sus Can(60) (10) (70) (S4), (70)
Sus Can(60) (10) EL (S5).
가
, EL Sus Can(60)
가 (H₂O)가

(10) Sus Can(60)

Sus Can(60)

Sus Can

Sus Can(60)
가 .

(70)

가

가

가

가

Sus Can(60)

가 1.5 2mm

Sus Can

가 .

가

S10) ;
(S30) ;(S20) ;
(S40) ;(S50) ;
(S60)

4a

4g

5

1) 4a , (900) (800) , 가
(900a) , (S10).
(800)가 (900a) , (800)

2) 4b , (900) (900a) (700)
(S20). , (700) (900a)
(900a) 가 . (700) BaO CaO

3) 4c , 1 (800)가 2 (600)

4) , (900) 1,2 (600,800) 4d ,
2 (600) 2 (800)
(900a) (700) (900a) 가 . , 1
(800) (900) 가 가

5) 4e , (900a) (500)
(990a) (S30).

6) (900) 가 4f , (400) (Sc
reen Printing) (Metal Mask) (Dispensing) (S40).

7) (300)(' " EL
(200) (100)) (S50),

8) 4g , 가 (400) (900)
(100) (S60).

(400) 200 400nm

4g

(400) , (100) 가 (400)가 ,
(spacer) (glass fiber spacer) 5 100 μ m
가 .

Sus Can

가 가 .

(57)

1.

;

;

;

가

;

.

2.

1 ,

.

3.

1 2 ,

.

4.

3 ,

가 5 100 μ m 가

.

5.

1 ,

BaO CaO

.

6.

(S10) ;

(S20) ;

(S30) ;

(S40) ;

(S50) ;

(S60)

.

7.

6 ,

S10

, 가

,

8.

7 ,

S20

가

,

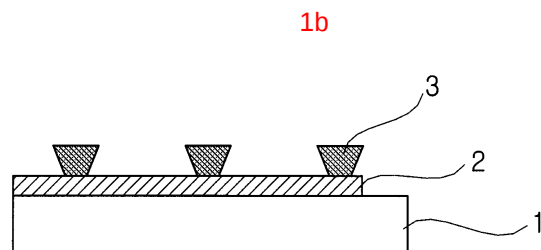
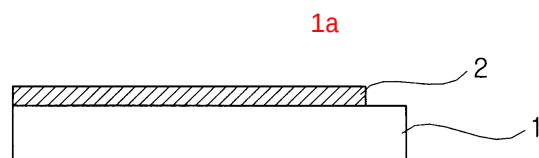
9.

6 ,

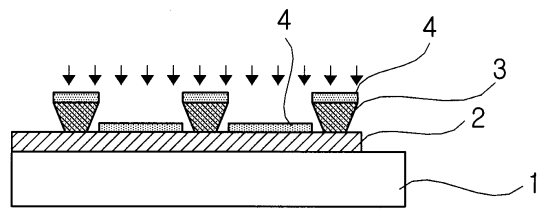
10.

6 ,

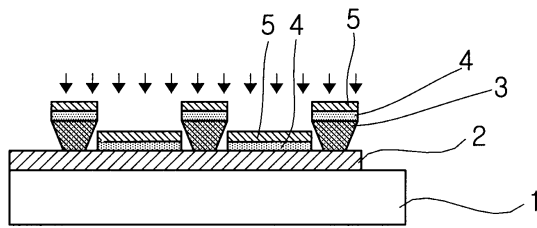
200 400nm



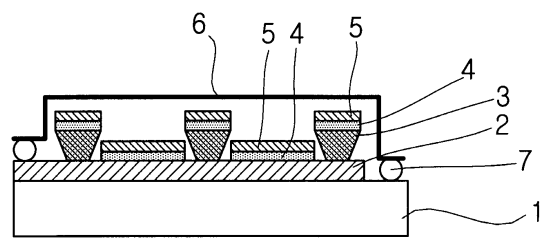
1c



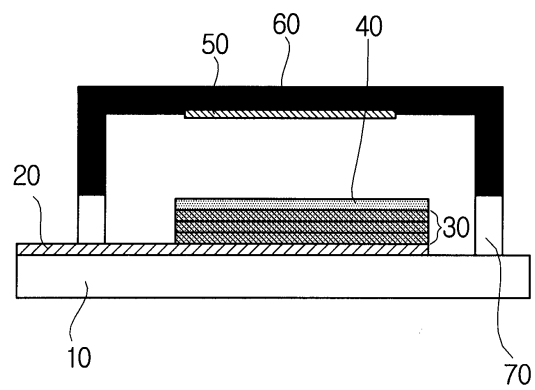
1d



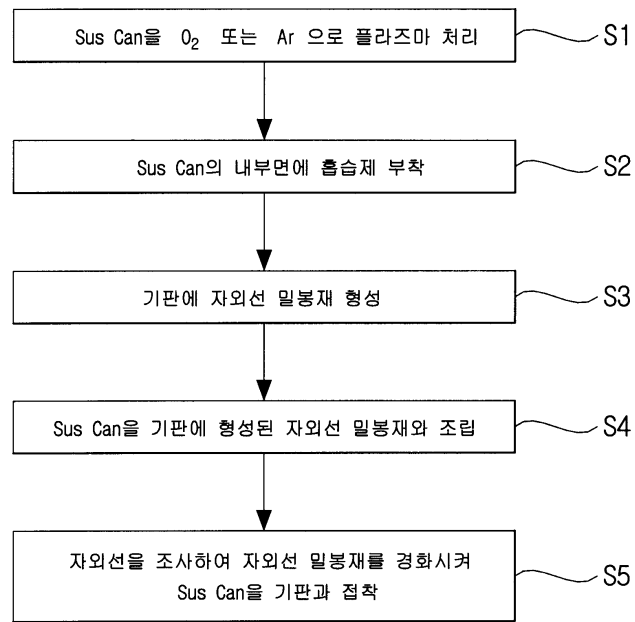
1e



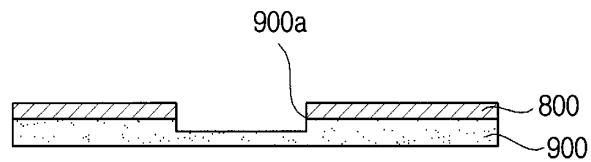
2



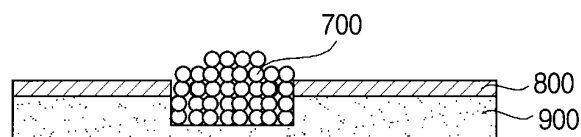
3



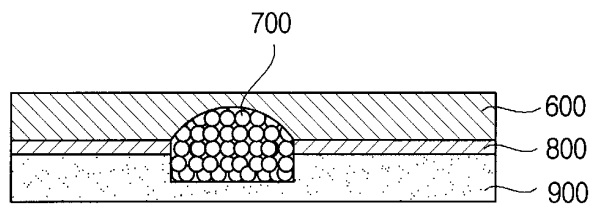
4a



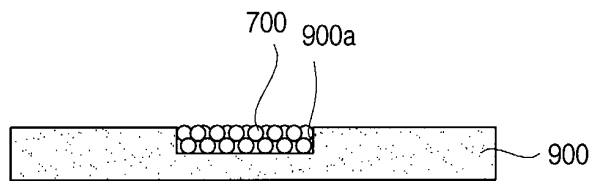
4b



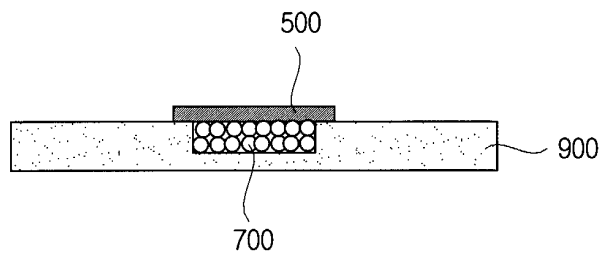
4c



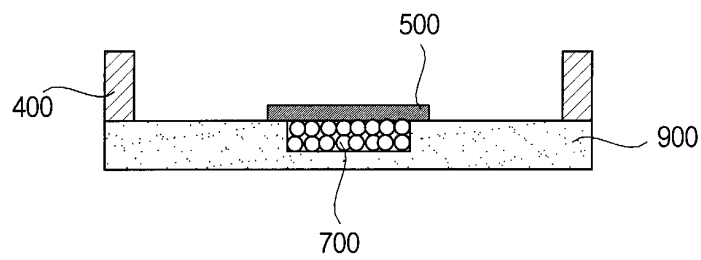
4d



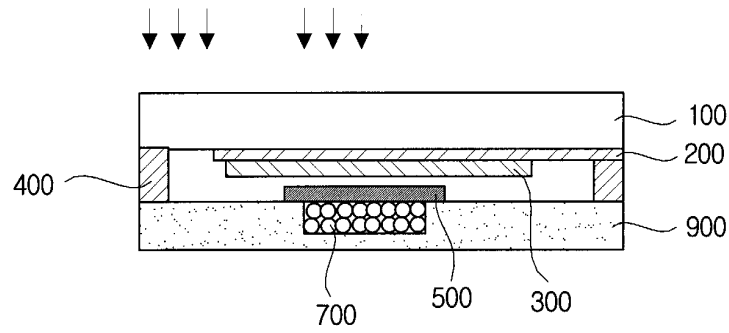
4e



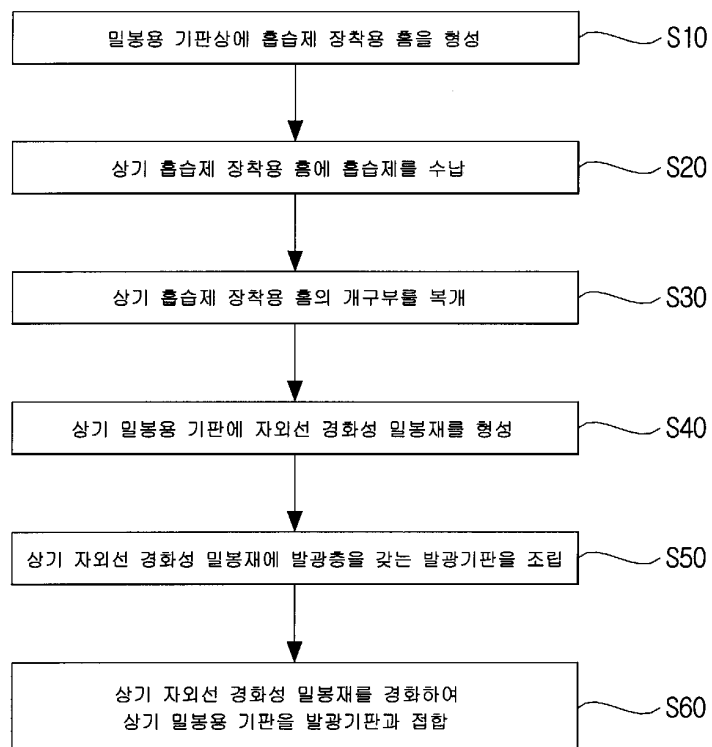
4f



4g



5



专利名称(译)	有机电致发光器件及其密封方法		
公开(公告)号	KR1020020068803A	公开(公告)日	2002-08-28
申请号	KR1020010009080	申请日	2001-02-22
[标]申请(专利权)人(译)	ELIATECH		
申请(专利权)人(译)	电梯技术有限公司.		
当前申请(专利权)人(译)	电梯技术有限公司.		
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发明人	이교웅 주성후 박기륜		
IPC分类号	H05B33/04		
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代理人(译)	CHO , TARM PARK MI SOOK		
其他公开文献	KR100384289B1		
外部链接	Espacenet		

摘要(译)

本发明涉及有机电致发光器件及其成型方法。并且有机电致发光器件将用于气密密封的基板焊接在发光基板中，同时使用基板进行气密密封，作为在基板表面上开槽的玻璃质材料，用于气密密封吸收器安装和接收吸收器。在粉末类型的内部部分，使用真空带封闭吸收器安装槽，缩短了工作时间，因为它排除了清洁过程和等离子体过程。与这种情况相比，该产品的制造成本降低，它使用传统的Sus Can作为气密密封的基材，具有改善的粘合力和防潮性能的效果，并且由于使用该产品而有助于产品的紧凑。用于气密密封的基板材料作为玻璃。有机电致发光显示器，封装和吸湿剂。

