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(21)	10-2001-0045749	(65)	10-2003-0011182
(22)	2001 07 28	(43)	2003 02 07

(73) . 20

(72) 518 203 1104

가 307 801

6 435-1 711

(74)

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(54)

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;

6

1
2
3
4
5
6
7

, , .

8

9

8

21: 22:
23: 24:
25: 26:
27: 31:
41: 61:
71:

가
(organic electro luminescence)

(cathode ray tube)
(flat panel display) 가

가 (active matrix) LCD(liquid crystal display)가
(back light)
LCD가
가

(12)(, 1) , 1 (12) (11) 1 (stripe)
(14) 가 (13)
(anode) 1 (12) ITO(indium tin oxide) (SnO₂) 가
(cathode) 2 (13)
(14) (12) (hole transport layer) , (electron transport lay
er) ,

가 가

가 가

2 3 가 , 2

, 3

(21) (22) (24) ,

(26)
(27)
(28)

(27)

(26)
(25)

(26)

(25)

(26)가
(29)

(26)
(27)

(27)

(27)

(27)

(27)

가

가

가

(26)

(31)

(28)

(2)

(29)

(31)

(31)

가

(31)

2

가

가

4

(21)
(41)

(41)

가

가

(damag

e)

가

(passivation layer)

가

5

ITO(indium tin oxide) (SnO₂) (52) (51)
 (53) (53) (54) (52)

(R-NH₂) (C₃H₆N₂)

(Al) (Zn)

(52) (54)

6

ITO (SnO₂) (52) (52) (51)
 (53) (53) (54) (61)

가 가

(polyimide) (polyacrylate) Al₂O₃ (parylene)
 (62) (μm) 가 (

gather) 가 가

7

TO(indium tin oxide) (SnO₂) (52) (52) (51) I
 (53) (53) (54) (getter)
 (71) 가 가 가

(Ba), (Ca), (Ti), (Cs) Zr-V-Fe
 (alloy) (62) (silicon nitride) (poly
 (silicon oxide) (aluminum oxide)
 imide) (polyacrylate) (parylene)
 (μm) 가

8 9
 8

(52) (51) ITO (SnO₂)
 (53) (53)
 (54) (81)
 (53) (81) (62)
 9 (62)

(chemical vapor deposition) (thermal evaporation) (sputtering) (spin
 coating) (roll coating) (bar coating)

가 가 가 가

(53) (가 ;54) (52) 가 (54) (53) (52) (53) (54) (53) (53) (51)

(57)

1.

; , 1 2 ;

2.

1 , .

3.

1 , 가

4.

3 , (Ba)

5.

3 , (Ca)

6.

3 , (Ti)

7.

3 , (Cs)

8.

1 ,

9.

1 ,

10.

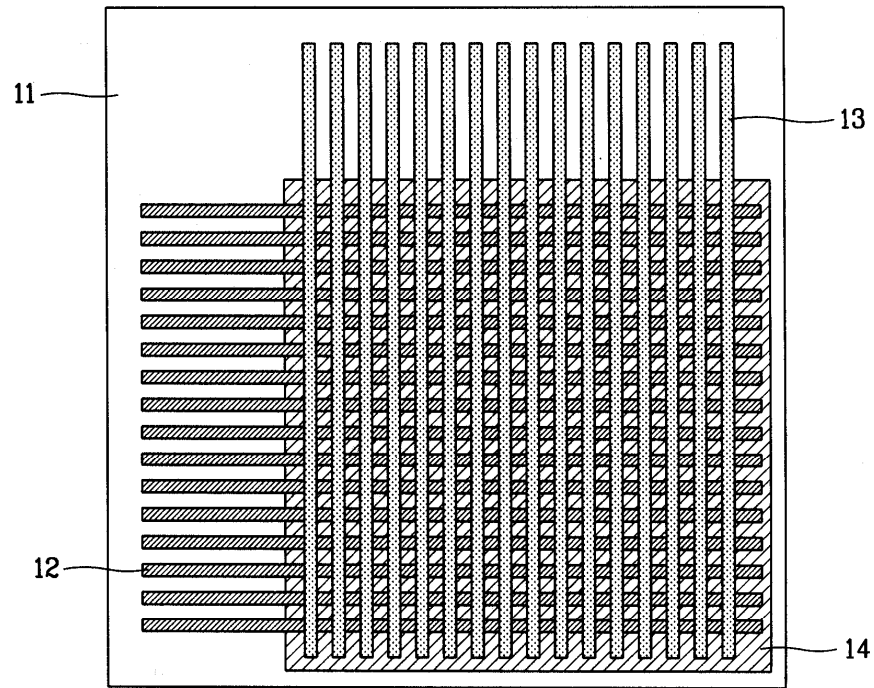
1 ,

11.

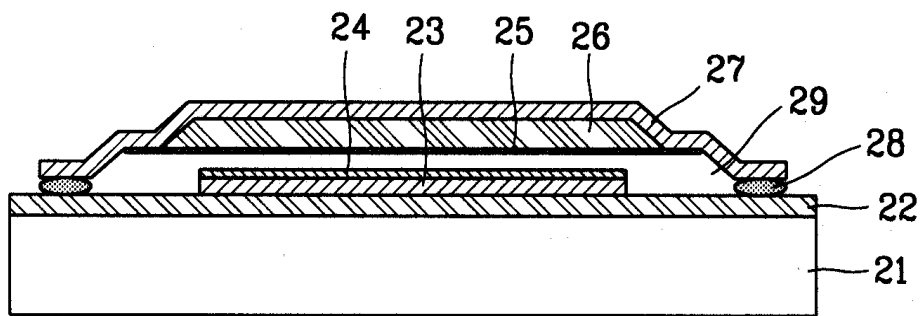
1 ,

12. 1 , , , .
13. ; ; ;
14. .
- 15.
- 16.
17. 13 , 가 , , .
18. 13 , , 가 , , .
19. 13 , 가 .
20. 1 , .
21. 3 , Zr-V-Fe .

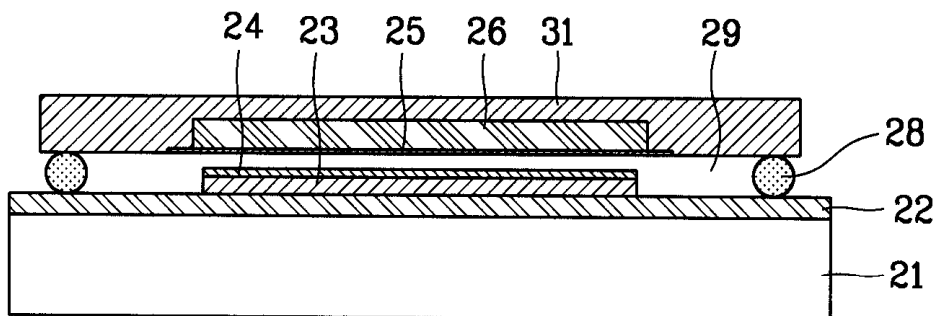
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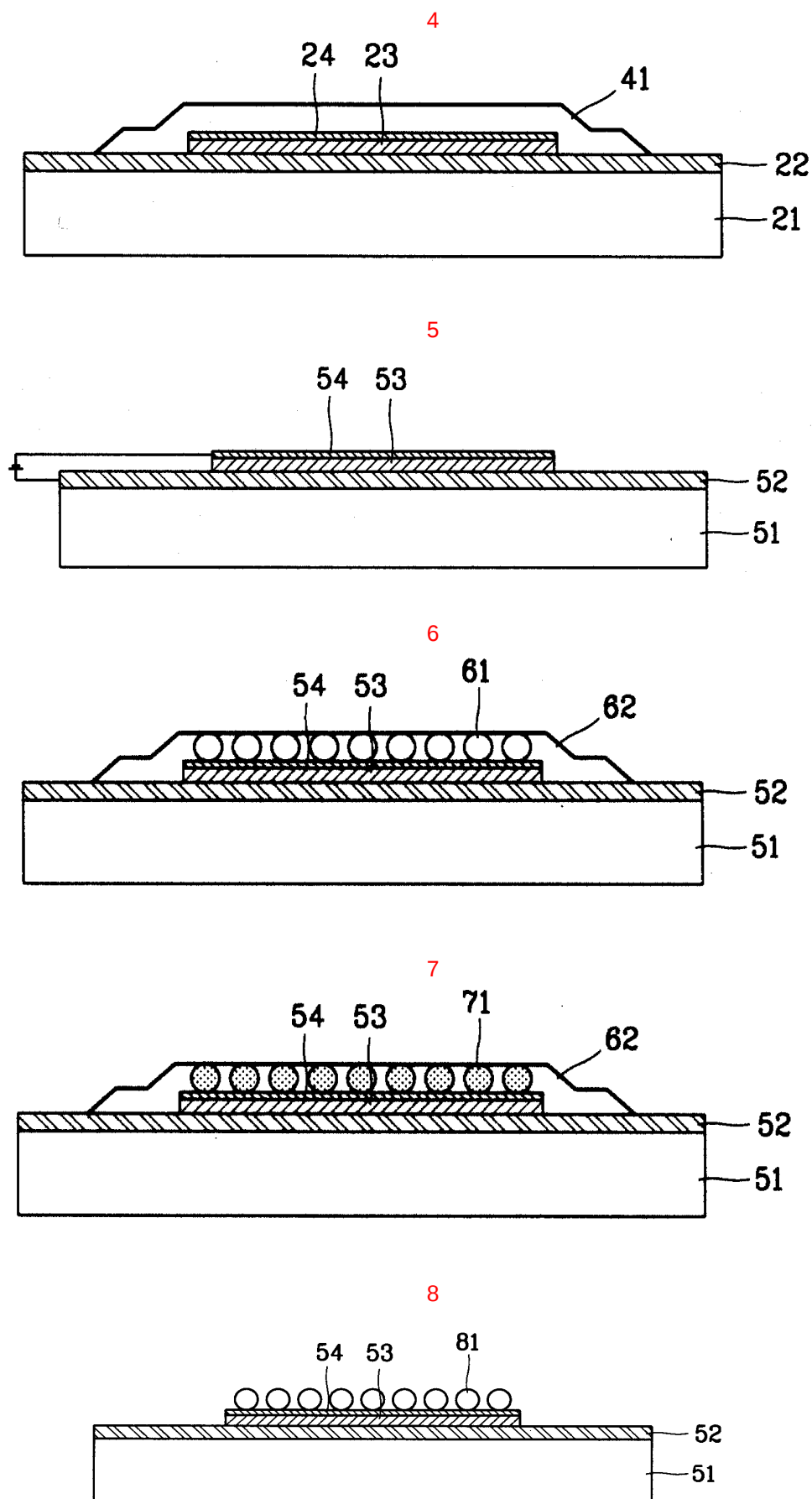


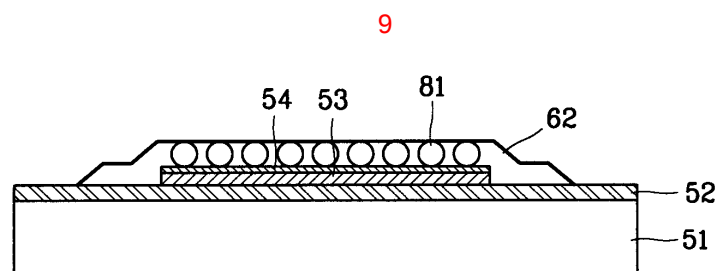
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3







专利名称(译)	有机电致发光器件的封装结构及其制造方法		
公开(公告)号	KR100414296B1	公开(公告)日	2004-01-07
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摘要(译)

本发明涉及有机电致发光器件的封装结构及其制造方法。一种有机电致发光器件，形成在透明基板上，包括第一和第二电极以及插入其间的有机发光层；导电颗粒分散在有机发光元件上；并且在有机发光器件和导电颗粒上形成包装膜。 6

