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(22) 2003 06 03

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1 107 504

158 2005

963-2 552 1004

(74)

:

(54)

2 1 1 2 1  
, 1 2 , 1  
, 1 2 ,

2c

1  
2a 2c  
( )  
100 : 210 : 1  
220 : 2 405 :  
570 :

(organic electroluminescence device)

가 가 가  
가

가 가

2000-0058739

2 1 1

1  
1 (10) 1 2 2 2 (22)  
1 (95) 2 1 2 (22)  
1 (21) (95)  
(galvanic) 가 (corrosion)  
(electromotive force; EMF)  
2 (22) 1 (21) 가 1  
(21) 1 (22) 2 (22)  
2 (22) 1 (21)

ence device) (organic electroluminesc

1 1 2 1 1  
 1 3 1 3  
 1 (taper)  
 1 가 (Al),  
 (Ag),  
 2 ITO(Indium Tin Oxide), IZO(Indium Zinc Oxide), (Ni), (Pt), (Au), (Ir),  
 (Cr)  
 3 ITO(Indium Tin Oxide), IZO(Indium Zinc Oxide), (Ni), (Pt), (Au), (Ir),  
 (Cr)  
 1 - (AlNd) , 2 ITO(Indium Tin Oxide)  
 in Oxide) 1 - (AlNd) , 2 3 ITO(Indium T

1 1 1  
 2 1 1 1  
 1 1 3  
 1 (taper)  
 1 2  
 3  
 2a 2c  
 2a (100) 1 ( ) ( )

1 60% 1 가 (210) 1 (210) (Al), (Ag), (210)  
 50 300nm  
 1 (210) (210a) 1 (210) (210b) (taper) (210a) (taper)  
 (taper) (210a) (210a) (210b) (210c)  
 2 ( 2b 220)  
 (taper) (210a) 1 (210) 1 (taper)  
 (930) (overexpose) (overetch)  
 1  
 1 (210) 1 (210) (100) 3 ( )  
 3 ( ) ITO(Indium Tin Oxide), IZO(Indium Zinc Oxide), (Ni), (P  
 t), (Au), (Ir), (Cr), (Ag) 3 ( ) ITO  
 3 ( ) ITO  
 2b 2 1 (210) 2 2  
 2 (220) 1 (210)  
 2 (220) (950) 2 (950) ( )  
 1 2 (210,220) 2 (220) 1 (210)  
 1 2 (210,220)  
 Ni), (Pt), (Au), (Ir), (Cr) 2 (220) 1 30nm 가 4.5 5.8eV ( )  
 2 (220) ITO(indium tin oxide), IZO(indium zinc oxide),  
 1 (210) 1 (210) (AINd) 2 (220) ITO 1  
 (210) (AINd) (100) 3 ( ) ( ) ITO(Indi  
 m Tin Oxide) 2 (220) 3 ( ) ITO  
 1 (210) 가 2 (220) 1 (210) (overexpose)  
 (overetch) 가 2 (220)  
 가  
 2c (pixel defined layer; 405) 2 (220) 2 (220) (405a)  
 (560) (510), (520), (530), (540), (100) (550)  
 (570) (encapsulation) (570) ( )

가

(57)

1.

;

1 ;

1 , 1 2

2.

1 ,

1 3 ,

1 3 .

3.

1 ,

1

(taper)

4.

1 2 ,

1

(Al), , (Ag),

5.

1 2 ,

2

ITO(Indium Tin Oxide), IZO(Indium Zinc Oxide), (Ni), (Pt), (Au), (Ir), (Cr)

6.

2 ,

3

ITO(Indium Tin Oxide), IZO(Indium Zinc Oxide), (Ni), (Pt), (Au), (Ir), (Cr)

1 7. ,  
 1 - (AlNd) ,  
 2 ITO(Indium Tin Oxide)

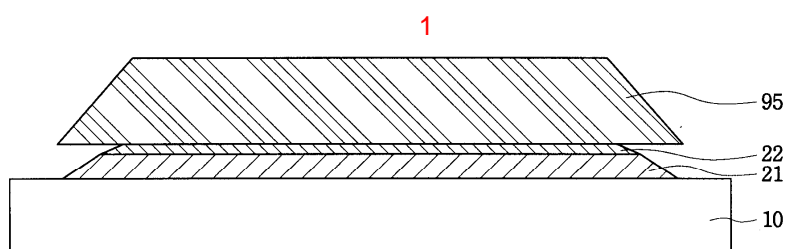
2 8. ,  
 1 - (AlNd) ,  
 2 3 ITO(Indium Tin Oxide)

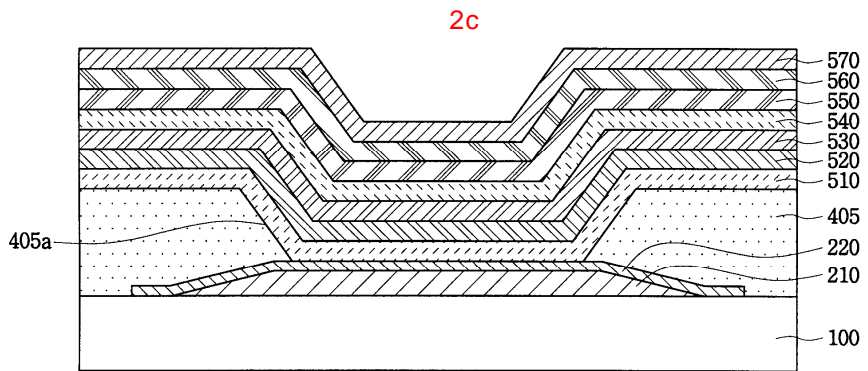
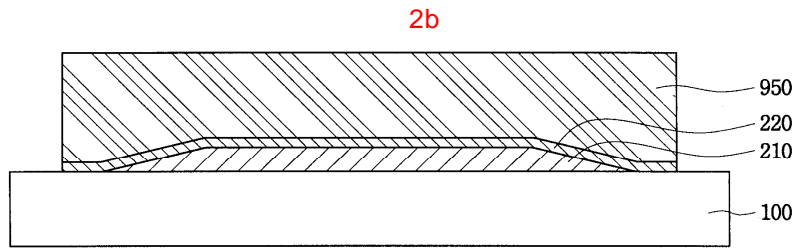
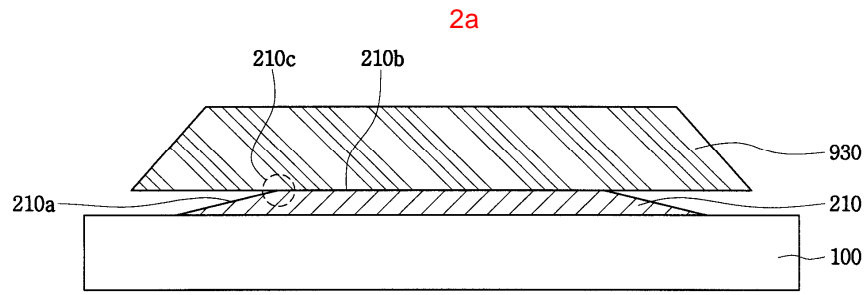
9. 1 ,  
 1 1 2

9 10. ,  
 1 ,  
 1 3 ;  
 1  
 3

9 11. ,  
 1  
 (taper)

9 12. ,  
 1 2





专利名称(译)	具有多层像素电极的有机电致发光器件及其制造方法		
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其他公开文献	KR100527193B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

提出了具有多层像素电极的有机电致发光器件及其制造方法。有机电致发光器件具有第二像素电极，该第二像素电极位于第一像素电极的上部，该第一像素电极设置在基板和基板上的固定区域中，并且第一像素电极覆盖第一像素电极。以这种方式，在形成多层像素电极时，形成使得第二像素电极完全覆盖第一像素电极。以这种方式，它同时防止第一和第二像素电极暴露于包括湿蚀刻剂或条带溶液等的电解质溶液。因此，在第一和第二像素电极之间不产生电流现象。因此，通过防止像素电极的膜损坏，减少了有机电致发光器件的缺陷。有机电致发光器件，多层像素电极，电偶现象，腐蚀。

