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(72) 1 1292 - 6

10 1596 - 42

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(54)

Flexible EL

Flexible EL ITO(Indium - Tin - Oxide) Film Pho
 spher layer , Phosphor layer Dielectric layer , Dielectric layer
 Back electrode Bus - Bar , Back electrode Bus - Bar Protective layer
 , ITO Film (裏面) ITO Film ITO ,

, Flexible EL

3

EL, Flexible, EL ,

1a 1d Flexible EL
EL Part .

2a 2f Flexible EL
EL Part .

3 Flexible EL .

10 : ITO Film 12 : Phosphor layer

14 : Dielectric layer 16 : Back electrode

18 : Bus - Bar 20 : Protectiver layer

22 : ITO 24 :

26 : 28 :

30 : 32 :

Flexible EL Flexible EL 가
Flexible EL .
EL EL .
EL Display ITO Film
EL ZnS:Mn , ZnS:Mn
가 , 가 ,
가 .
EL Display ITO , ITO ITO
, (+) , ITO , (-)
EL PPV Alq₃ , 가 .

	EL	Flexible EL	EL	Flexible EL	Hybrid ELD	EL
phosphor layer	Back electrode	Bus - Bar	Phosphor layer	Dielectric layer	ITO Film	Phosphor layer
	ITO Film	(裏面)	ITO Film	ITO	Protective layer	
1a	1e		EL	Part		
2a	2f		EL	Part		
ZnS:Mn	Phosphor	Flexible EL	Phosphor layer(12)	1a	ITO Film(10)	
1b		Phosphor layer(12)	BaTiO ₃	Dielectric layer(14)		
1c		Dielectric layer(14)	Carbon Paste, Silver paste	Back electrode(		
16)	Bus - Bar(18)					
1d		Back electrode(16)	Bus - Bar(18)	PES	UV	Protective
layer						
2a		1d (裏面)	ITO Film	ITO	IOT (22)	
2b		ITO (22)			ITO	(+)
(24)						
2c		(24)			(26)	
			가			
2d				MEH - PPV[poly(2 - methoxy - 5 - (2 - ethylhexyloxy)		
- 1, 4 - phenylene - vinylene)]		PPV		Alq ₃ (tris(8 - hydroxy quonolate)aluminum)		
			(28)			
2e			(28)	(Shadow mask)		Ca,
Mg, Al, In	Ag - Mg			(-)	(30)	

, 2f (32) . (32)

, Flexible EL 가 EL ,
EL 가 Dot Matrix type Flexible Hybrid EL 가 , PDP TFT
- LCD 가 가 .

(57)

1.

Flexible EL ;

Phosphor layer ;

Dielectric layer ;

Back electrode Bus - Bar ;

Protective layer ;

ITO Film (裏面) ITO Film ITO ;

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Flexible EL .

2.

1 ,

EL Part (裏面) ITO Film ITO
Flexilbe EL .

3.

1 Phosphor layer Dielectric layer Back electrode Bus - Bar Protective
layer .

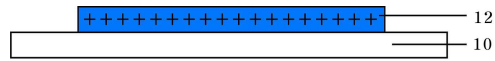
4.

1 ITO Film (裏面) ITO

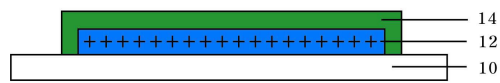
5.

ELD Flexible EL ITO Film, Ag

1a



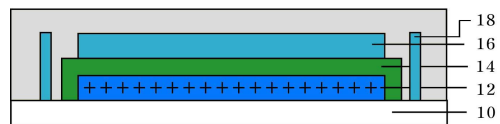
1b



1c



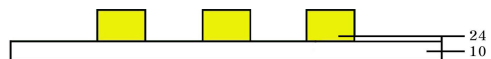
1d



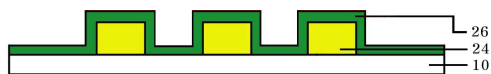
2a



2b



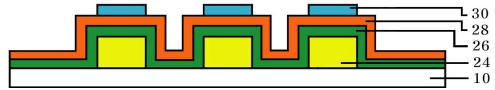
2c



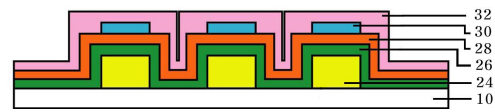
2d



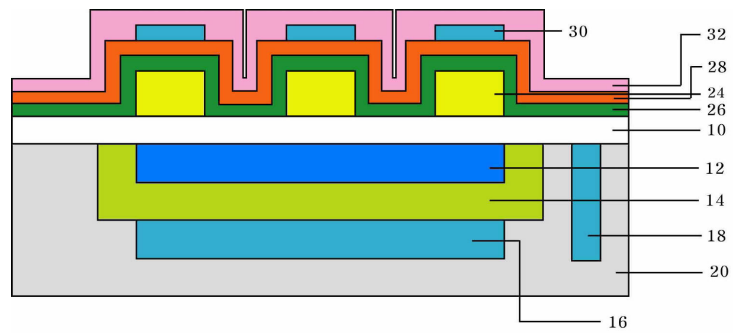
2e



2f



3



专利名称(译)	柔性有机/无机复合电致发光显示新工艺技术		
公开(公告)号	KR1020020059305A	公开(公告)日	2002-07-12
申请号	KR1020020033534	申请日	2002-06-15
[标]申请(专利权)人(译)	崔贞SIK CHOE JEONG 日志		
申请(专利权)人(译)	崔贞 - 植		
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发明人	최정식 한춘수 김효겸		
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外部链接	Espacenet		

摘要(译)

公开了有机和无机复合柔性电致发光显示器的新工艺技术。根据本发明的有机和无机复合柔性EL显示器结构包括根据本发明的有机和无机复合柔性EL显示器件中的层间绝缘膜和聚对二甲苯薄膜的保护膜，形成背电极的步骤和在形成介电层和介电层的步骤上的汇流条，在背电极和汇流条上形成保护层的步骤，形成ITO膜背面的步骤，再次，ITO膜或透明电极ITO蒸发，在透明电极上形成聚对二甲苯层间绝缘膜的步骤，在聚对二甲苯层间绝缘膜上形成发光材料膜的步骤，在光上形成上电极的步骤发光材料薄膜和在上电极上形成聚对二甲苯保护膜的步骤包括在称为透明元件的ITO (铟锡氧化物) 薄膜上ctrode。有机和无机复合EL，柔性，电致发光显示器，聚对二甲苯沉积。

