

(19)
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H05B 33/10

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(43)

2002 - 0090572
2002 12 05

(21)
(22)

10 - 2001 - 0029468
2001 05 28

(71)
(72)
(74)

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29 - 9

557 - 1

101 - 505

410 - 1004

345 - 103

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(54)

1 ,

2 1 A - A ' ,

3a 3e ,

4a 4e

,

5a 5d

,

6a 6d

,

7a 7d

.

< >

100 : 102 :

104, 106, 108, 109, 110, 111 :

104a, 106a, 108a, 111a :

104b, 106b, 109a, 110a :

104 ' , 106 ' , 108 ' , 110 ' :

105a : 105b :

130 : 140 :

a :

(organic electroluminescent display)

,

.

(Flat Panel Display)
LCD(Liquid Crystal Display)

가 , 가 가
, LCD 가 가

LCD 가 LCD 가 5

가 LCD

가

thode) (electron) (hole) (organic layer) (Indium - Tin - Oxide) (ca

lectron) (exciton) (hole) (e

(deactivation)

()

1 (12) (separator) (16)

a) (16) (14) (a)

2 1 A - A' 1 2 (10) (12) (18) (20)

(a) 가 (14) (16) (14) (16) (

18) (20)

3a 3e

3a (10) (12) (14)

oresist) (14) (14) (photo sensitive phot

(taper)가

3b (16) (14) (SiO₂), (polyimide) (16)

3c 3d (15) (16)

(a) (16') (16') (16') (14)

(negative) (12) (taper) (reverse taper)

(16') (positive) (for

ward taper)

3e , (a) (18) (20)
 (18) (20) (16') (a) (14)
 ,
 365(I - line), 405(H - line), 436(G - line)
 가 , (16') (16') (14)
 (16') (16') (18) (20)
 (18) (20) (short) (a) (16')
 가
 , (16') (14')
 가 가
 , (14) (16') 2
 가

가 / /
 ,
 ,
 ,
 4a 4e
 1 A - A'
 , 4a (100) (102) 4b
 (102) (100) (104) (104)

4c (104) (100) /
 (105a, 105b)

(105a) (104) (104) (105b)

4d (104) (104b)
 (104a) (104') (104b)
 (105b) (104b)
 (100) (104a) (105a)
 (104a) (104b) (100)

4e (104b) (a) (130) (1
 40) (104a) (130) (140)
 (130) (140) (104b) (104a)

1
 (104')

5a 5d

5a (100) (106) (100) (102) (102)
 (100) (106) (106)

5b (106) (100) /
 (105a, 105b) (106) (106) (1
 05a) (106) (105b)

5c (106) (106b) (106b) (105b) (106b)
 (106a) (106b) (106b) (100)
 (106a) (105a)
 (106a) (100)

5d (106b) (a) (106a) (a)
 (130) (140) (106a) (130) (140)
 (106a) (106)
 (106a) (106) (106)
 (130) (140) (106a) (106a)

6a 6d (109a) (108a)

6a (100) (102) (108, 109)

(109) (108)

6b (100) / (105a, 105b)

(109) (108) (105a)

(105b)

6c (108, 109)

(109a) (108a) (108') (109a)

(105b) (108a) (105a)

(109a) (100) (108a) (100)

(108a)

(108a)

6d (109a) (a) (130)

(140)

7a 7d (110a) (111a)

7a (100) (102) (110, 111)

(110) (111)

7b (100) / (105a, 105b)

(110) (111) (105a)

(105b)

7c (111, 110)

(110a) (111a) (110') (110a)

(105b) (111a) (105a)

(110a) (100) (111a) (100)

7d (110a) (a) (130) (1

40)

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(57)

1.

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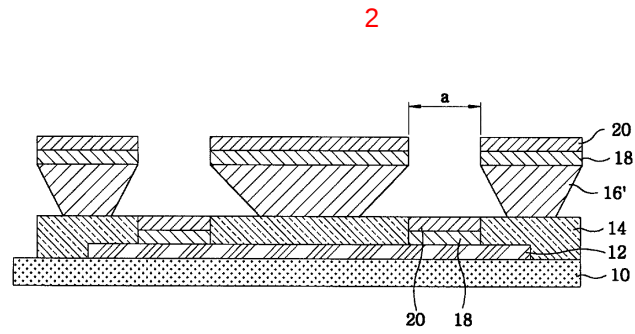
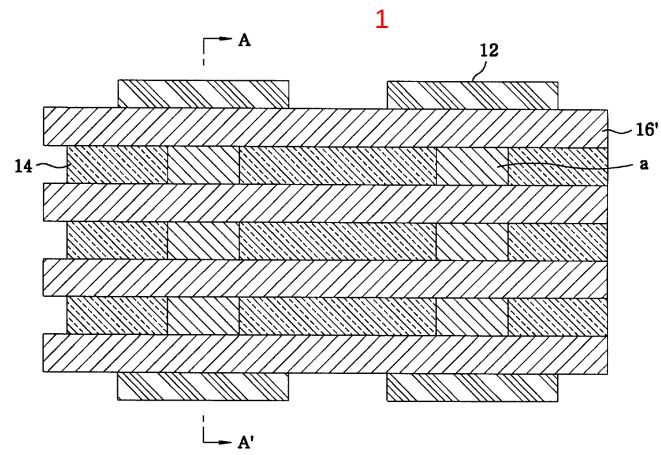
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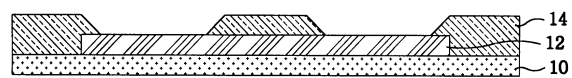
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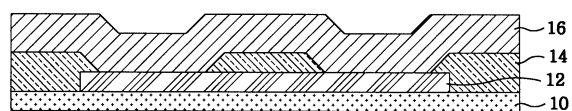
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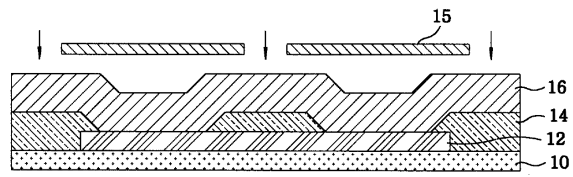
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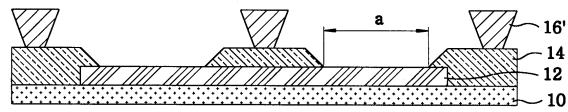
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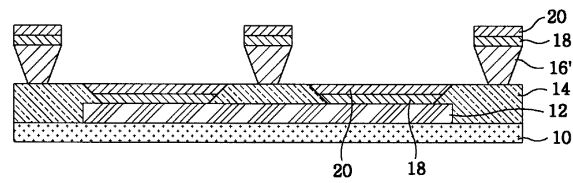
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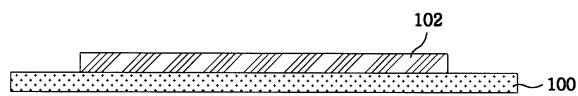
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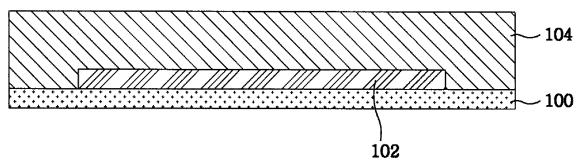
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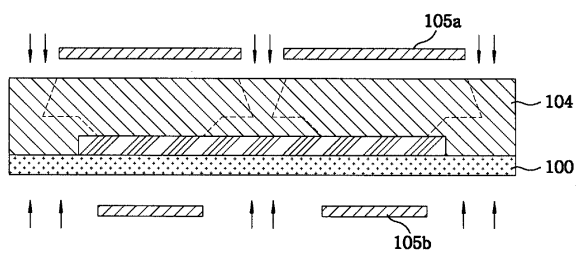
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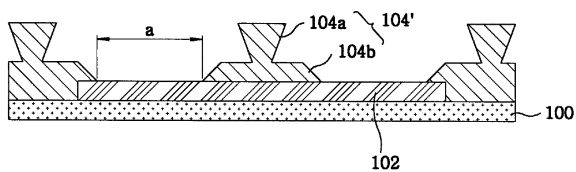
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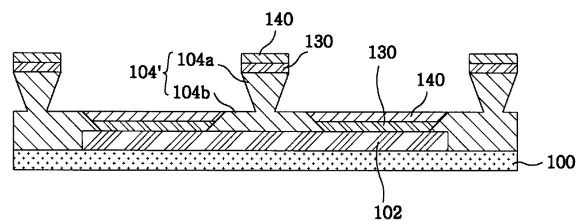
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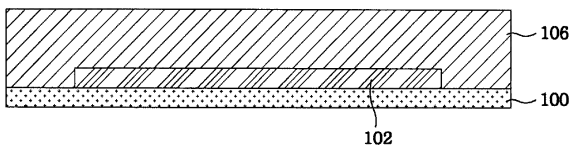
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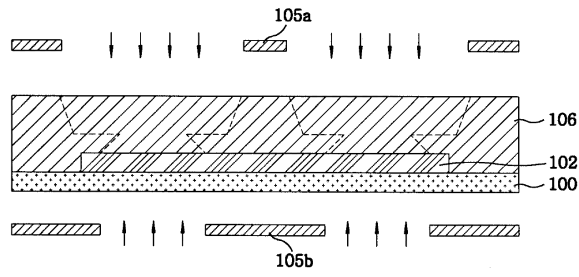
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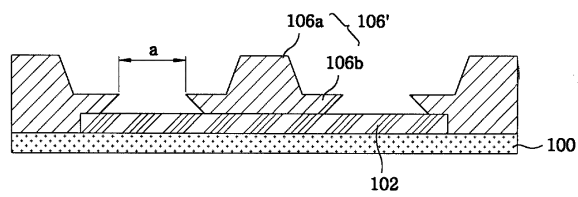
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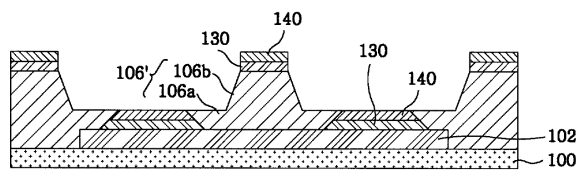
5b



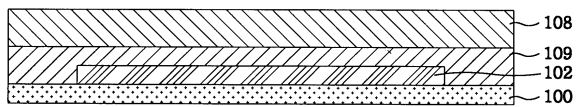
5c



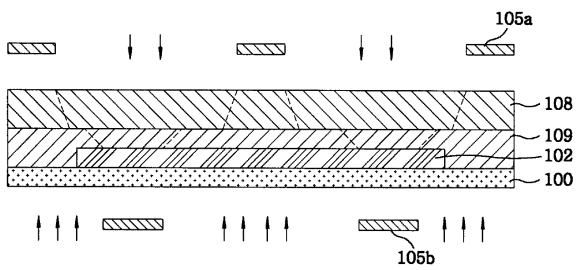
5d



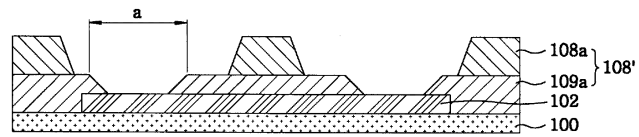
6a



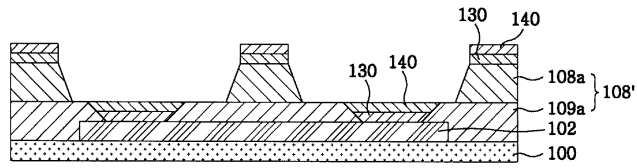
6b



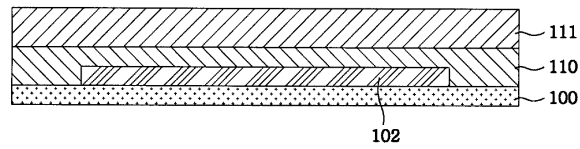
6c



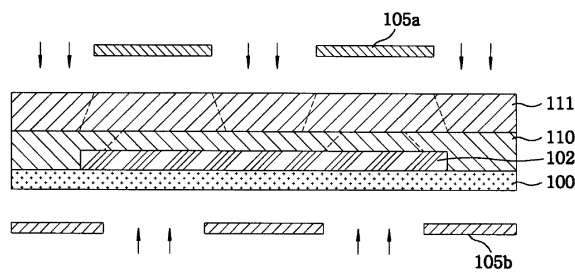
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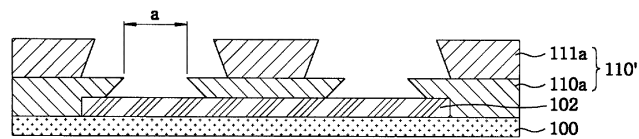
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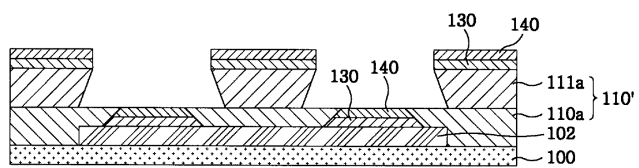
7b



7c



7d



专利名称(译)	制造有机电致发光显示器的方法		
公开(公告)号	KR1020020090572A	公开(公告)日	2002-12-05
申请号	KR1020010029468	申请日	2001-05-28
[标]申请(专利权)人(译)	株式会社东进世美肯 东进Semichem		
申请(专利权)人(译)	东进公司Semichem		
当前申请(专利权)人(译)	东进公司Semichem		
[标]发明人	PARK SEONGHO 박성호 YOO JAEHO 유재호 LEE JAEGYOUNG 이재경 KIM SUNWOOK 김선욱		
发明人	박성호 유재호 이재경 김선욱		
IPC分类号	H05B33/10 H01L27/32		
CPC分类号	H01L27/3295 H01L27/3283 H01L51/0018		
外部链接	Espacenet		

摘要(译)

有机电致发光显示器的制造方法本发明涉及一种有机电致发光显示器的制造方法，更具体地说，涉及一种制造有机电致发光显示器的方法，其中在玻璃基板上形成透明电极，在基板的整个表面上形成光敏绝缘膜，图案化绝缘膜以形成其上具有层间绝缘膜和阻挡肋膜的复合绝缘膜，然后在层间绝缘膜之间的发光区域中形成有机发光膜和对电极。因此，通过形成双极或负极性光敏绝缘材料作为单层/复合层，本发明可以形成所需的层间绝缘膜和阻挡膜的所需锥形形状，并简化层间绝缘膜和阻挡肋膜的制造工艺。 图4c

