

(19) (KR)
(12) (A)

(51) 。 Int. Cl.⁷ (11) 2003-0057146
G02F 1/1335 (43) 2003 07 04

(21) 10-2001-0087523
(22) 2001 12 28

(71) . 20

(72) 187-132

103-209

439-2

102-410

(74) :

(54)

，
(slit) (msak)
(spacer)
，
，

4d

1
2

3a 3f 1 - ` ,
4a 4e 1 ,
5a 5e 1 - ` , 2
< >
100 : 106 :
108a,108b,108c : , , 130 :
132 :
(spacer)
, 1
1
(7) , (18) (6) (, ,)(8) (7) , (17)
(14) (T) (5) , (P) (5) (22)
(22) , (T)가 (13) (matrix type)
(P) (17) - - (13) (15) (P)
(indium-tin-oxide : ITO)
가 , 2
2 , st1
(TFT)가 , TFT
st2
(Rubbing)
,
가 , (Display)

(polyimide)

st3 (seal pattern)

가

st4 (Spacer)

가

(st5).

(Margin) μm

가

st6 st1 st5

가 가

cribe) 가 (Break) (S

st7

cm^2 μm 가

()

가

3a 3f

3a 3f 1 -

3a (5) (4)

가 (negative type) .((positive type) ,)

(4) (A) (B) (19) .

(19) (A) (4) (L1) , 3b

(6) .

, (6) / / () , (1 17)

(reverse tilt domain) .

3c / / .

, (monomer), (binder) /

/

, (red), (green), (blue) (6)가 (5)

(R), (G), (B) .) (8a) . (

, (8a)가 (5) ,

(8b) .

, (8a,8b)가 (5)

, (8c) .

3d 가 , (8a,8b,8c)가 (5)

, (5) 가 (overcoat layer)(26)

. .

3e .

(26) (5) (28) . ,

(positive type) .

(E) (28) (5) (F) (E) (30) .

(5) .

, (30) (L2) , (28) (develop) .

3f , (40) .

. .

, .

, ,

(slit) (mask) , ,

, .

[illegible]

, (108a,108b)가 (100)
(108c) .

4d 가 .

(108a,108b,108c)가 (100)
(126) .

, (126) .

(126) (100) .

1 (E) , 2 (F) .

1 (E) (L3) 2 (F) .

(128) (L2) , (128) 1 (E) 2 (F) .

, 1 (E) 2 (F)
가 .

1 (E) (H) 2 (F) , 4e , (4d 128)
(100) (130) (132) .

1 .

, 2 .

-- 2 --

2 () .

1 .

, 5a 5d .

5a 5d 1 - , .

5a , (100) (Al), () , (W), (Cr), (Ti)
(130) .

, (130) (100) (SiN_x) (SiO₂)
1 (132) .

, (130) (132) (134)
(136) .

(134) , (136)
.

5b ,
(136) (138) (140) , (138)
(122) .

, 5c , (138,140) (100)
(142) .
(142) (100) (I) (J) (K) (146)
.
(J) (140) , (K) (122)
() (I) .
, (146) (L3) , (J) (M)
, (I) (L) , (K)
(N) .
(140) (142) , 5d , 가
(148) (P)
(122) ()
.
, (150) (152)가 .
, 5e , (140) (154) .
.
1 2 , 가
.

가 .

(57)

1.

;

;

가

;

가

;

1

2

;

1

2

가

.

2.

1

,

1 , 2 1

3.

1 ,

4.

;

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,

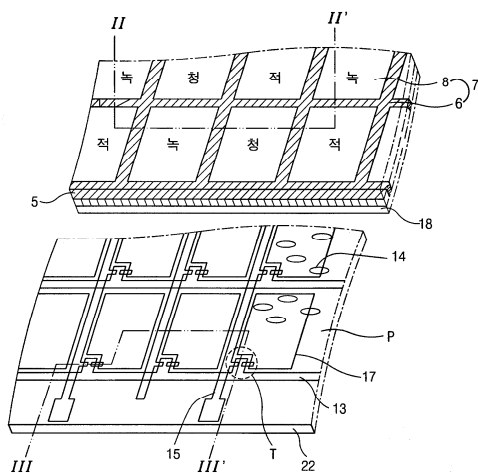
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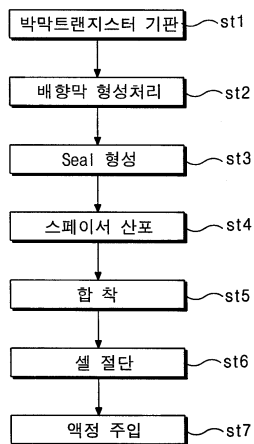
5.

4 ,

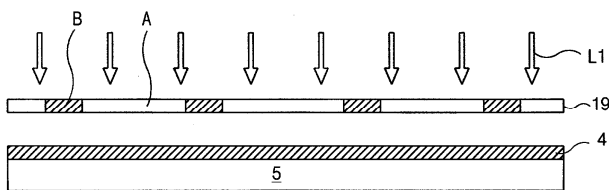
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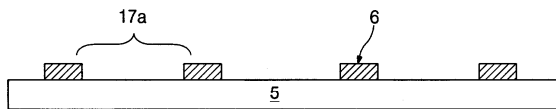
2



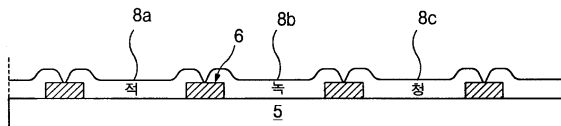
3a



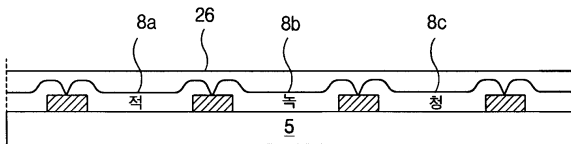
3b



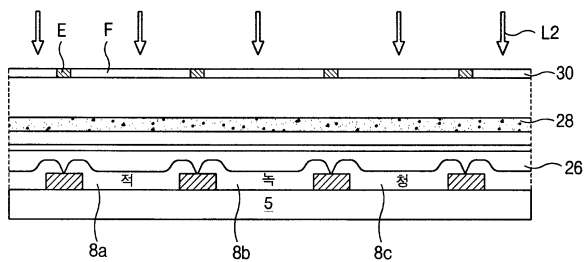
3c



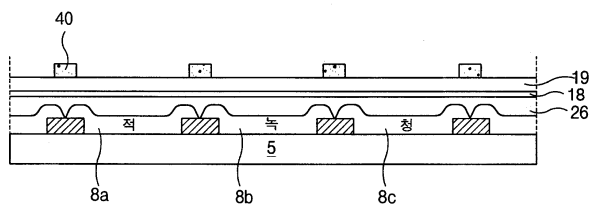
3d



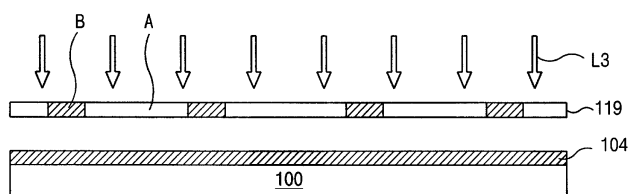
3e



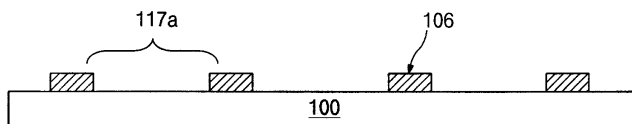
3f



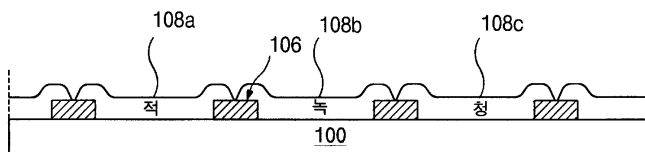
4a



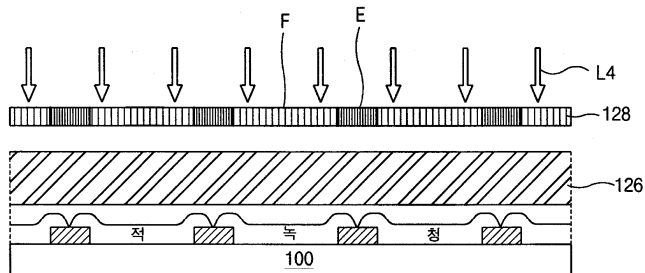
4b



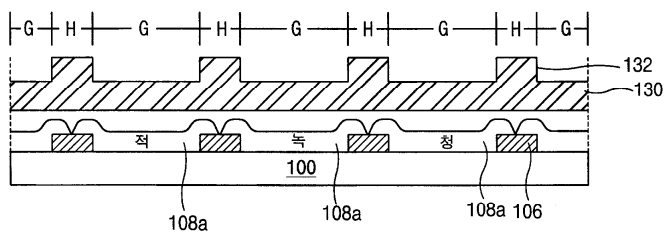
4c



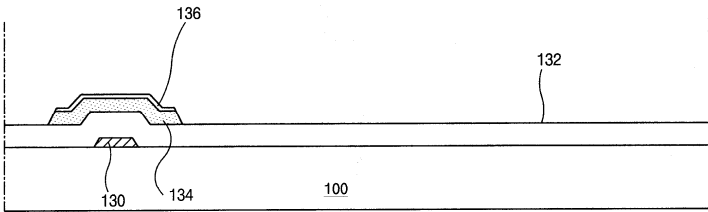
4d



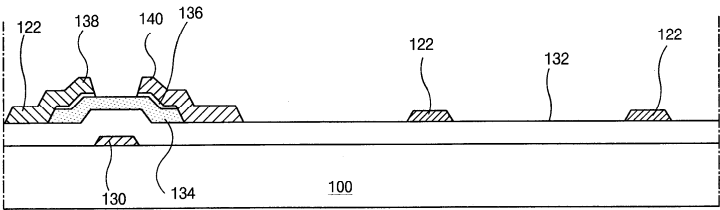
4e



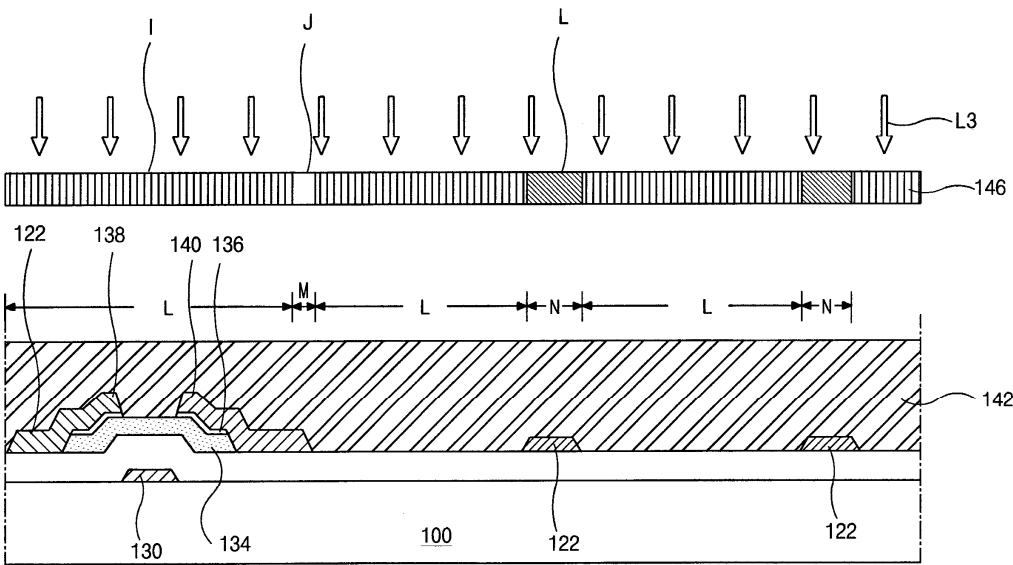
5a



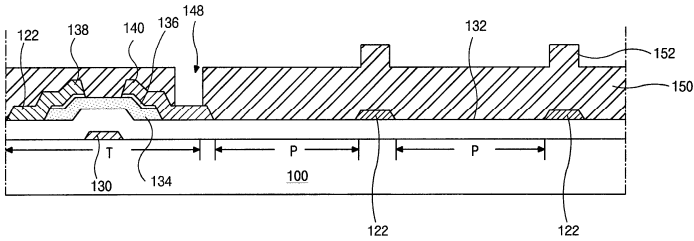
5b



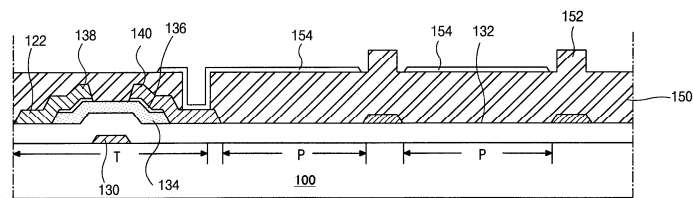
5c



5d



5e



专利名称(译)	用于液晶显示器的滤色器基板和制造阵列基板的方法		
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申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
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发明人	김진호 강동호 김영조 박철우		
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其他公开文献	KR100790354B1		
外部链接	Espacenet		

摘要(译)

液晶面板的滤色器基板和阵列基板的制造方法技术领域本发明涉及液晶显示器，更具体地，涉及液晶面板的滤色器基板和阵列基板的制造方法。总之，使用包括狭缝的掩模，在滤色器基板或阵列基板上形成的保护膜和在保护膜上形成的间隔物使用相同的材料同时形成。通过这样做，可以简化该过程，并且可以提高产品的产量。图4d

