

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl. <sup>7</sup>  
G02F 1/1335

(11)  
(43)

2001 - 0081673  
2001 08 29

(21) 10 - 2000 - 0007711  
(22) 2000 02 18

(71) .  
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20

(72) 952 103 - 1111

(74)  
:

(54)

, IPS(In Plane Switching)

5c

1 ,

2 ,

3a 3e ,

4a 4d ,

5a 5c

< >

111 : 215 :

217 : 219 :

(polarizer)

(retardation film)

(brightn

ess)

(contrast)

가

가

(twist nematic LC)

/

가

/

가

가

(in plane switching : " IPS " )  
(contrast), (gray inversion), (color shift)

1

(13) (15) (13) (15) (17) (19) IPS  
(21) (P) (17) (19) (19) (23)

(19) (17) (21) (19) (17)  
(23)

가

2

가

(29a) (29)가 (31) (29)가 (29b) (25) (29b) / / (33) (indium - tin - oxide)

(27) 가 (25) (25)

(21) (25) (21)

(25) (27)

3a 3e

3a (25)

2 (25) 1 (29)가 (29) (25)

3b (27) - - (ITO) (25)

3c (27) (25) ( 3 29)가 (25a)

(scratch) (41) (43) (25a)

3d (27) 가 (27) (25) (CrO<sub>x</sub>) (Cr) (black matrix) (29b)

(29b) 가 / / (29a)

(29a) (photo - lithography)

(29b) (29a) (25) (45)

3e (25) (52) (51) (sealant)

(31) (31) (27) (47)

(47) (25) (27) (49)

(27)

(47)

(27)

가

1 1

; 1 ; 2  
; 가 2

; 1 2 가  
1

1

1

1

2 ; 1 2 가 1 2 ; 1 2 ; 1 2 1

가

4a

4d

5a

5c

가

4a

4d

가

4a

(111)  
(113)

(CrO<sub>x</sub>)

(Cr)

, 4b , (113) / / (115)  
 , / / , (photo - lithography)

, / / (Mask) , (shift) .

lyimid) (115) (113) / / (115) , 4c ,  
 (113) (overcoat)(117) (Acryl) (po

, 4d , (115) (111) , ( )  
 alant)(125) . (123) (se

(131) .

, (131) .

, 5a 5c .

5a , (131) 가 ,  
 가 .

- - .

, (111) 가 ,  
 가가 (111) , (213) .

(213) (shadow) .

, (111) 가  
 가 .

5b , (111) 가 (215)

, 5c , (215) (111) (217)  
 , 가 (215) (219) .

(219) (217) 가 (215)

, 가 ,

가 .

(57)

1.

1 1 ;

2 ;

1 2 ;

1 2 가 ;

가 1

2.

1 ,

- -

3.

1 ,

1 , ,

4.

1 1 ;

, 1 2 ;

1 2 ;

1 2 가 ;

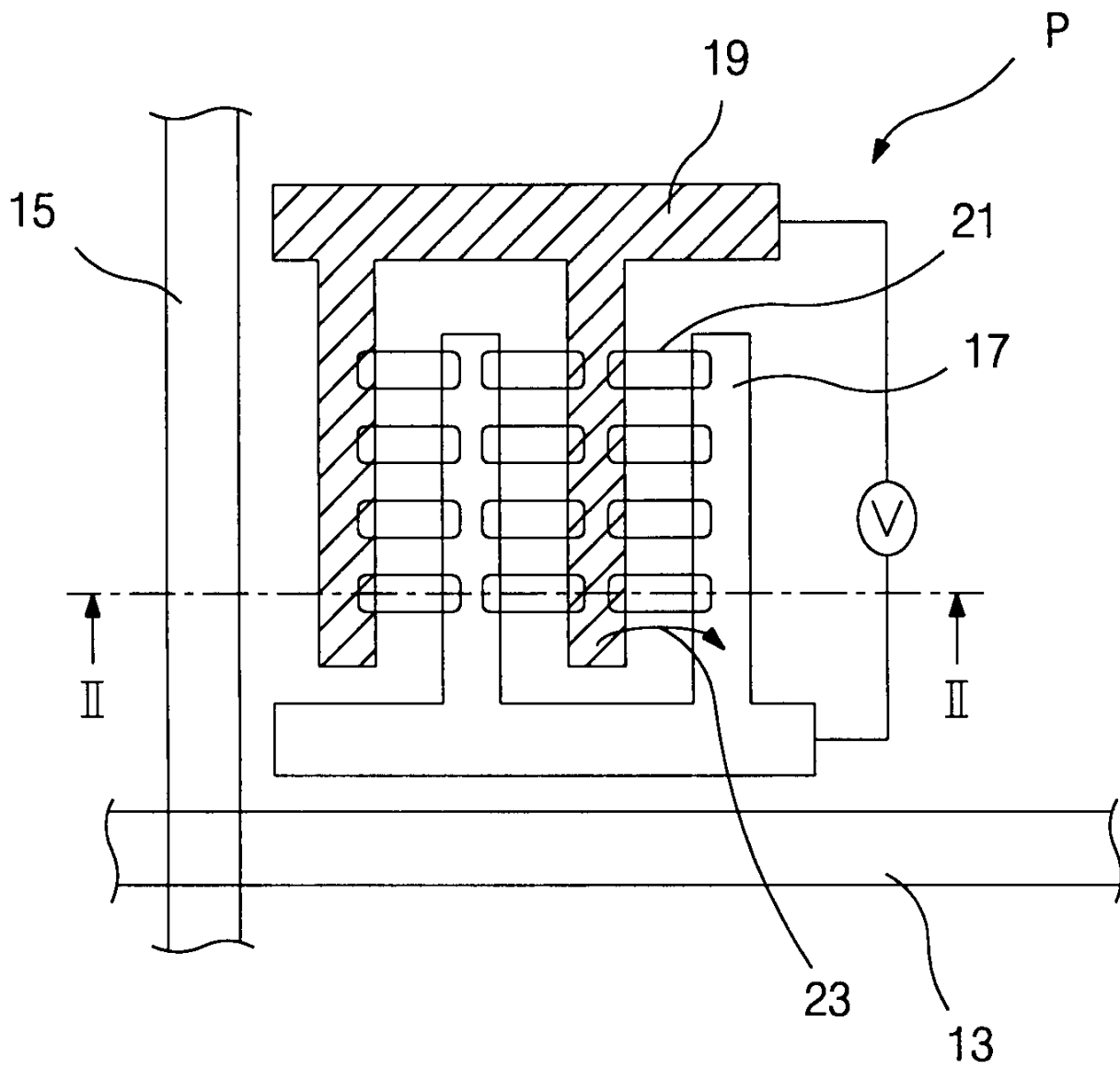
1 2

5.

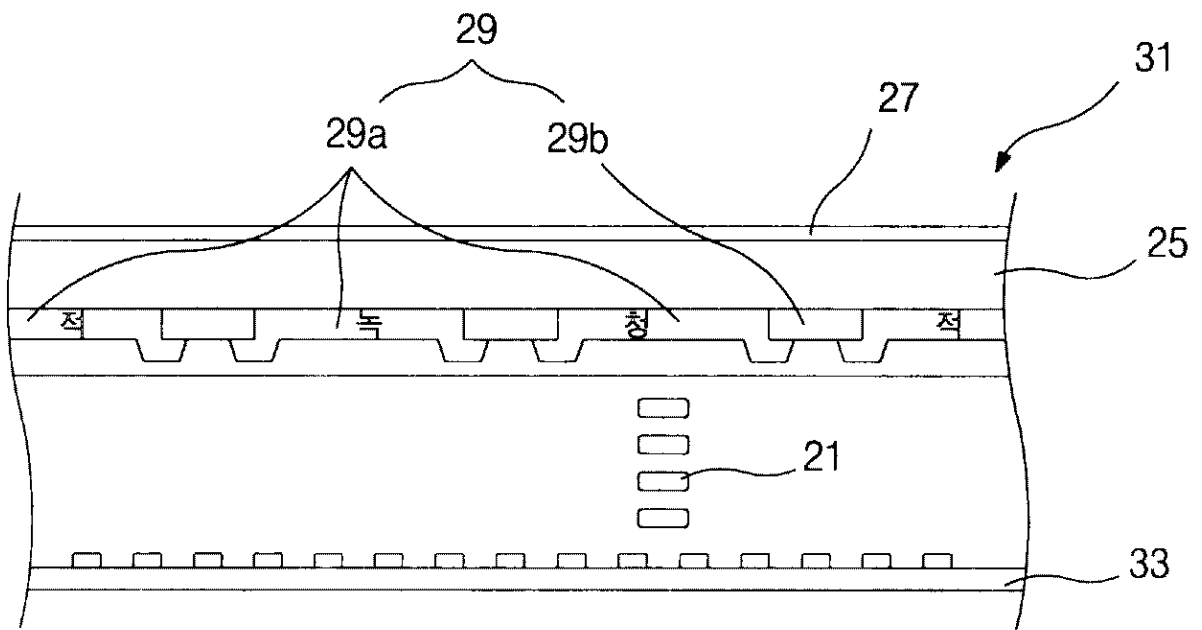
4 ,

(ITO)

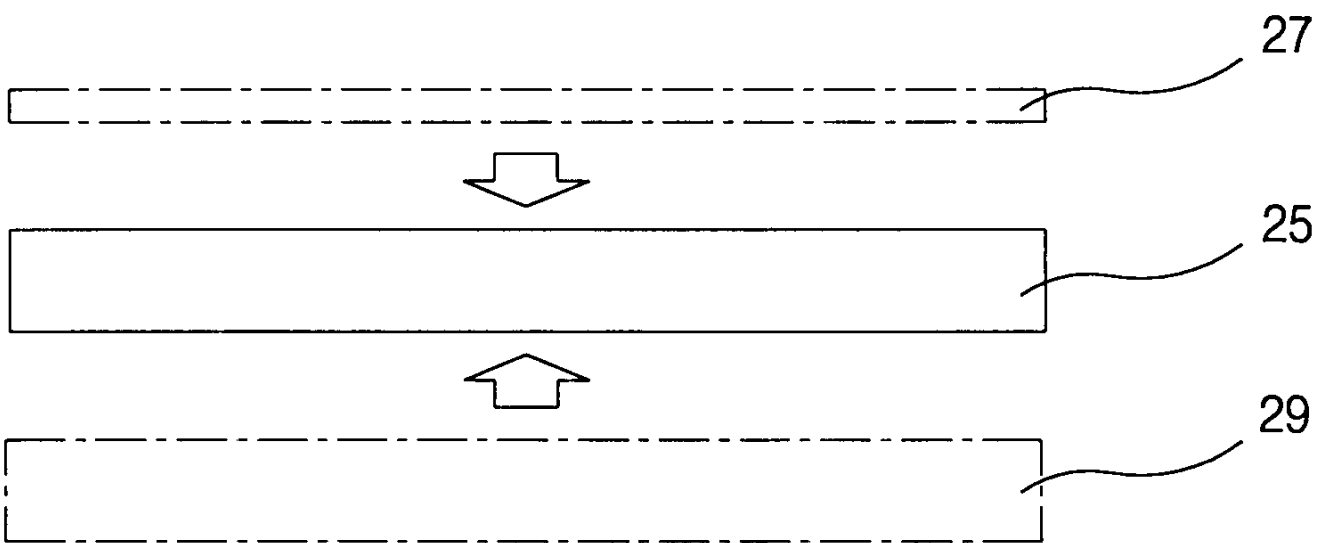
1



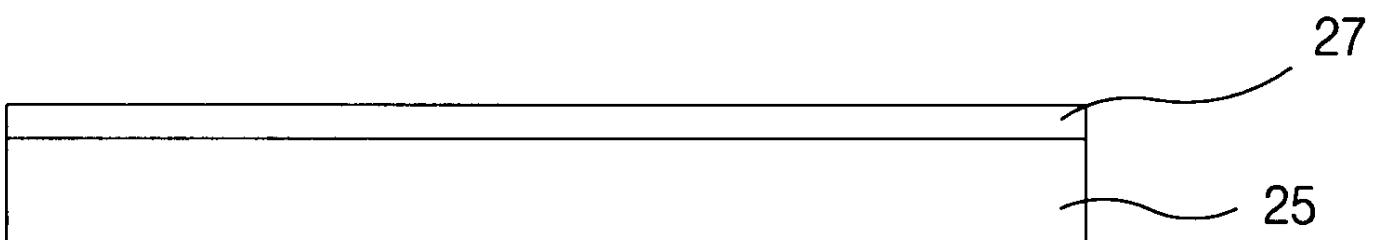
2



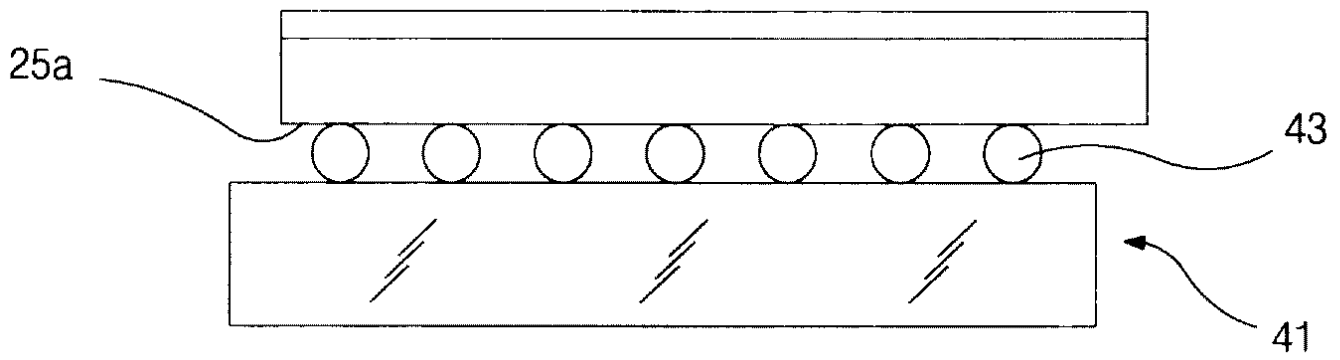
3a



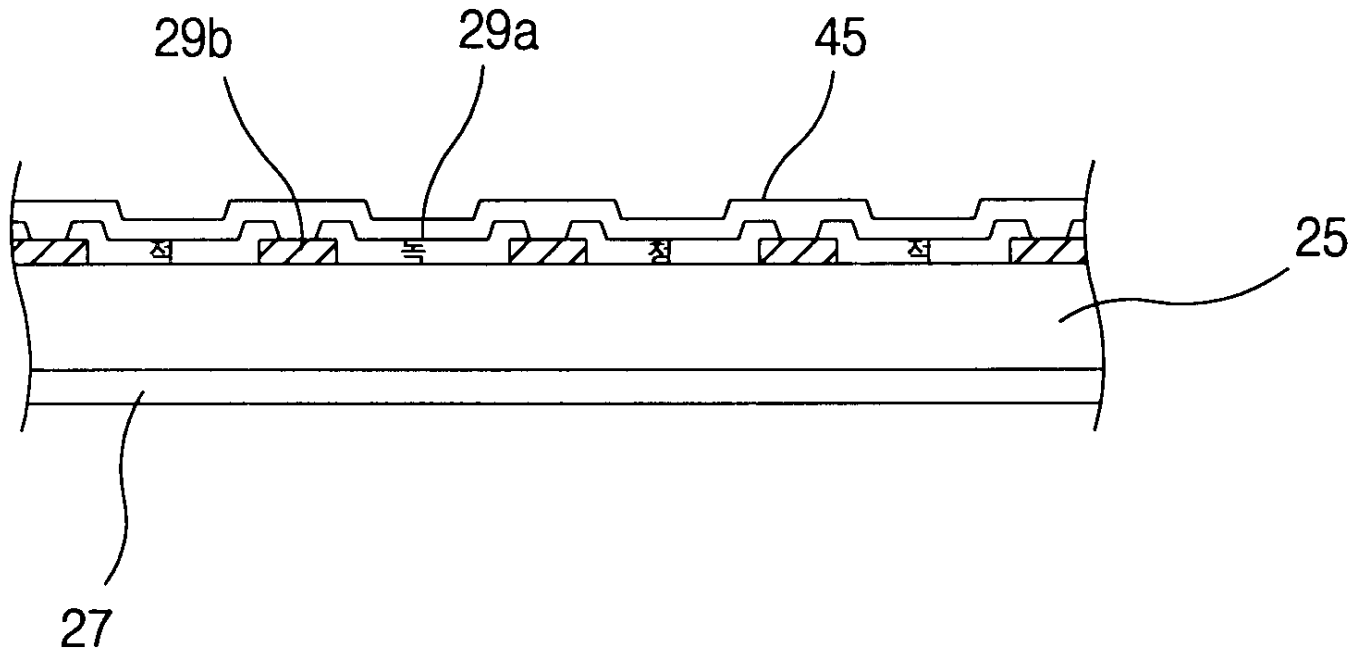
3b



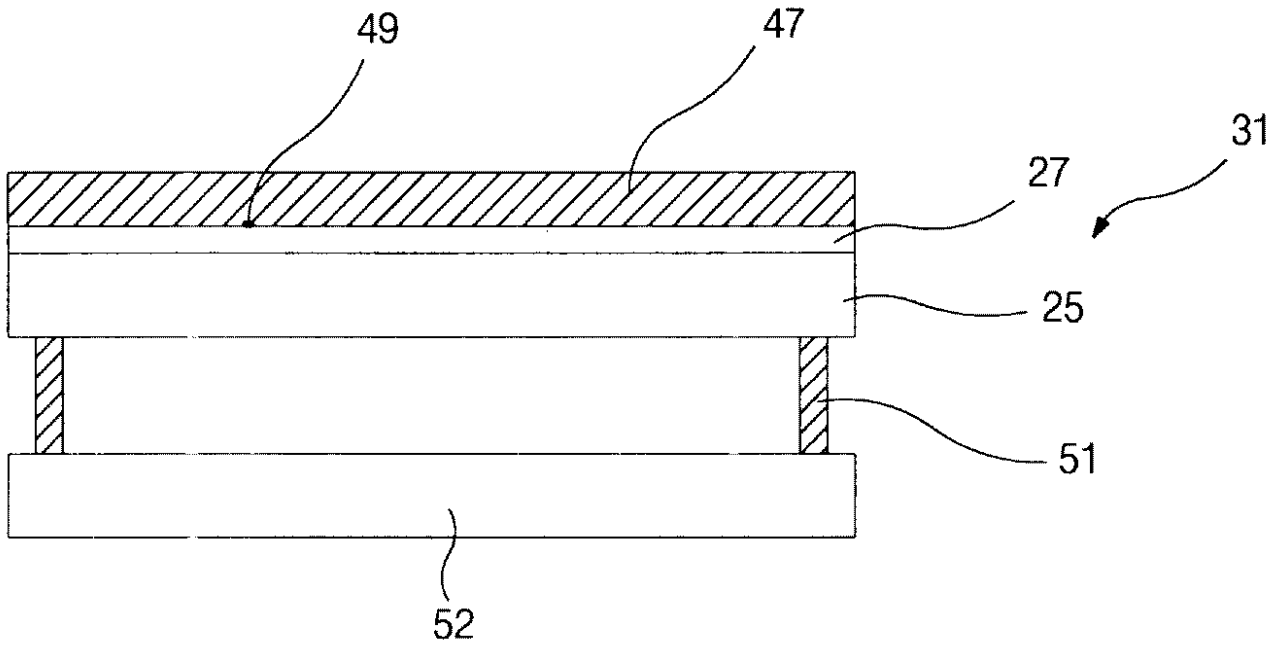
3c



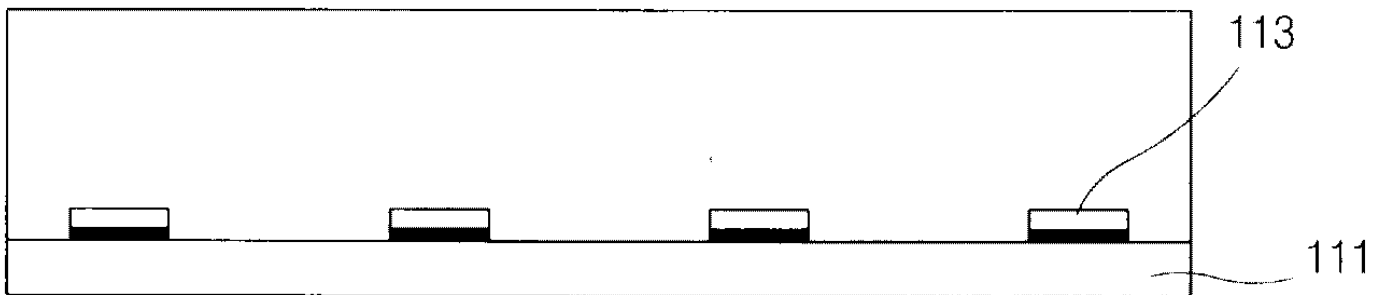
3d



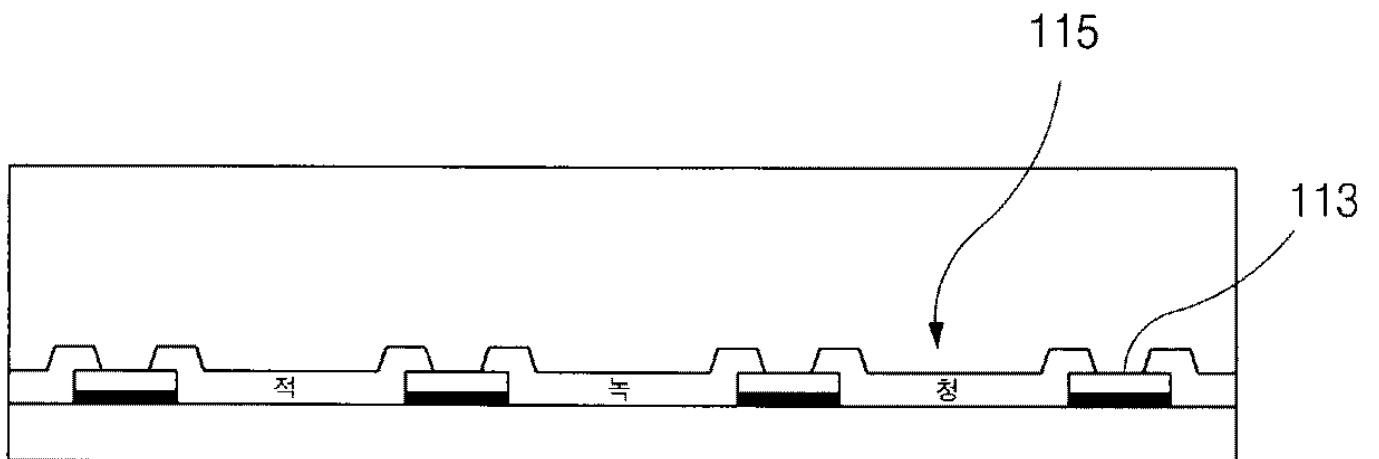
3e



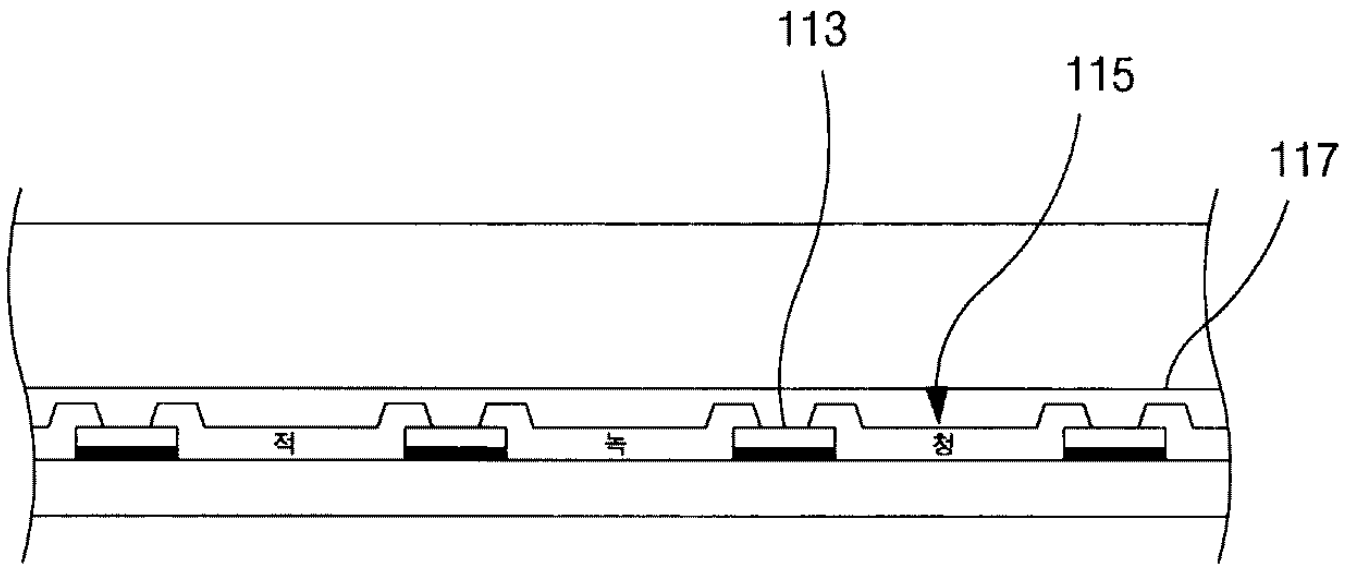
4a



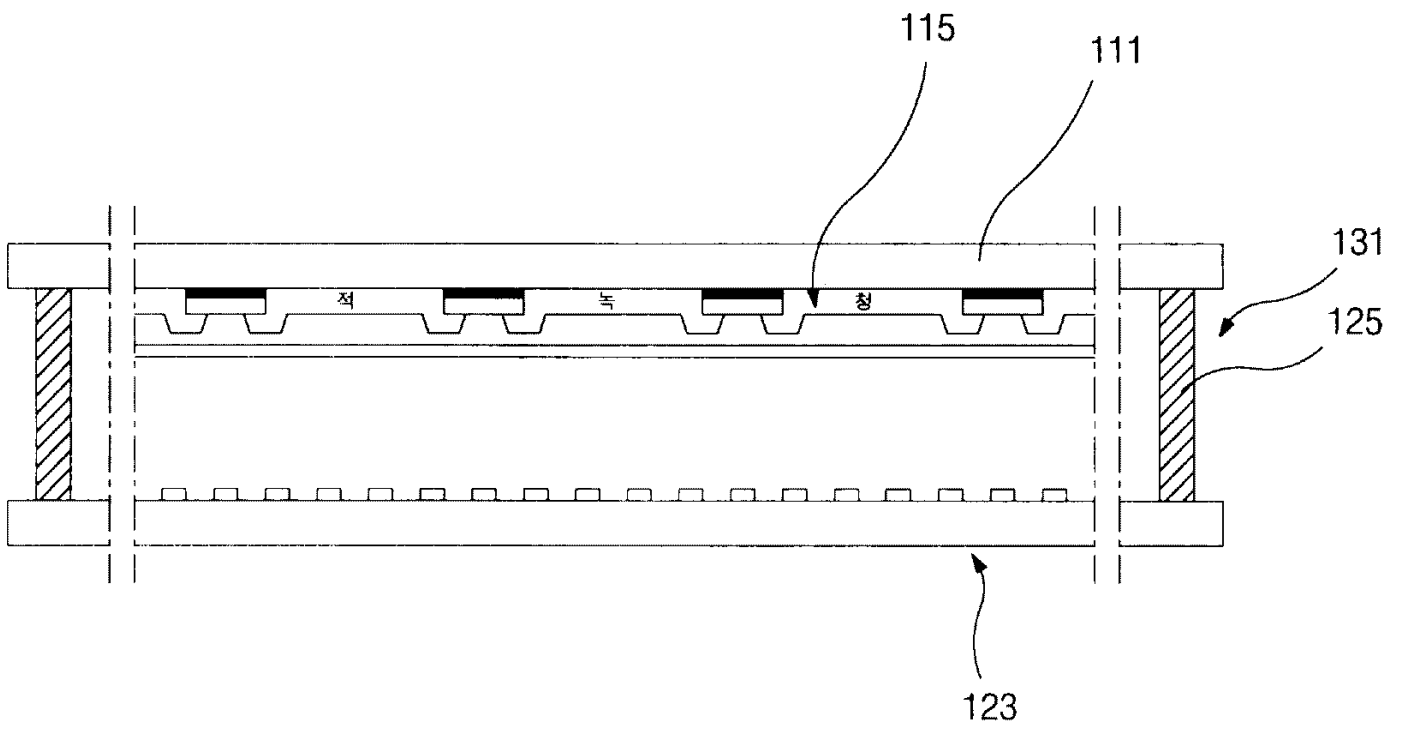
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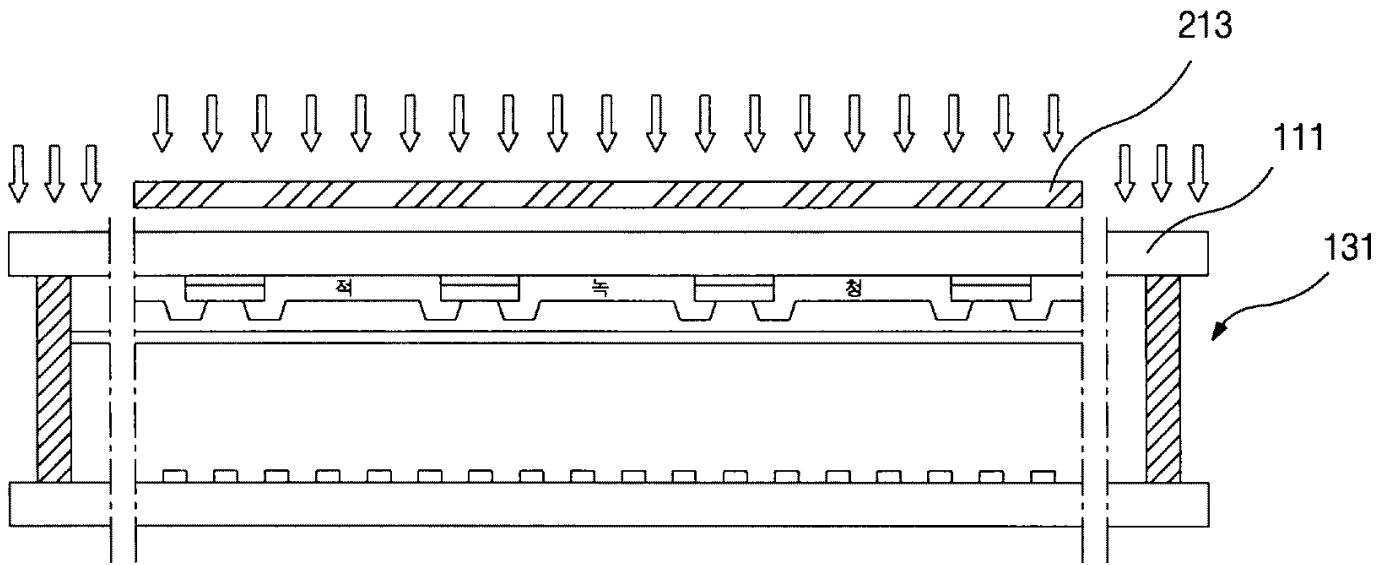
4c



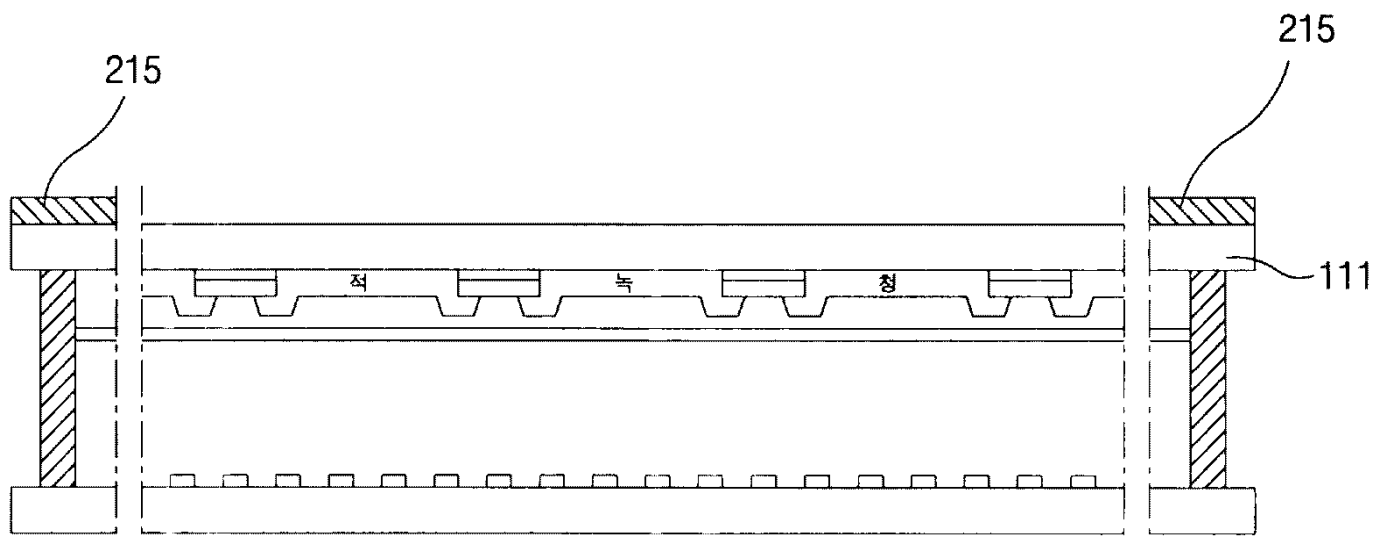
4d



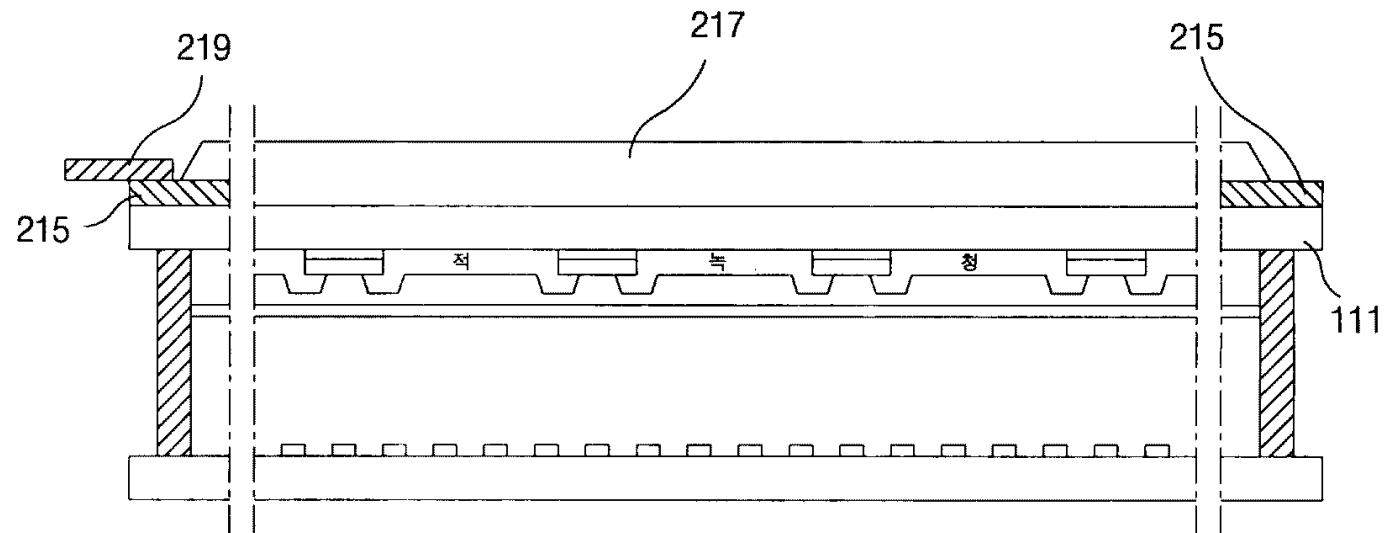
5a



5b



5c



专利名称(译)	横向电场彩色液晶显示装置的制造方法		
公开(公告)号	<a href="#">KR1020010081673A</a>	公开(公告)日	2001-08-29
申请号	KR1020000007711	申请日	2000-02-18
[标]申请(专利权)人(译)	乐金显示有限公司		
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		
[标]发明人	GU DONG HYO 구동효		
发明人	구동효		
IPC分类号	G02F1/1335 G02F1/1343 G02F G02F1/13		
CPC分类号	G02F2001/133334 G02F1/134363		
其他公开文献	KR100592329B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

彩色液晶显示装置本发明涉及彩色液晶显示装置。并且特别地，比较并且当背板具有导电性时，在滤色器基板的后侧省略背板形成，防止在滤色器基板中的制造工艺之间产生的静电作为面内切换形成采用IPS模式的模式彩色液晶显示装置，可以制成没有污染物故障的液晶显示器。

