

(19)
(12)

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(A)

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G02F 1/136

(11)
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2001 - 0105058
2001 11 28

(21) 10 - 2000 - 0026786
(22) 2000 05 18

(71) .
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(72) 642 - 3

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(54)

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가

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6c

1 ,

2 ,

3 ,

4 ,

5a 4 - ,

5b 5a F ,

6a 6c 4 - , 1

7a 7c 4 - , 2

8a 8c 9a 9c 4 - , 3

10a 10d .

< >

135 : 141 :

143 : c :

가

, 가

가
가

1

1

(18) , (11) (6) (7)
(5) , (P) (17) (T)
(22) , (5) (22) (14)

(22) , (T)가 (matrix type)
, 가 (13) (15)

, (P) (13) (15) ,
 , (17) .
 , 2 .
 . (TFT)가 , st1 , TFT
 st2 .
 (Rubbing) . ,
 가 , (Display) . ,
 (polyimide) .
 st3 (seal pattern) .
 가 .
 st4 (Spacer) .
 가 . , ,
 , , ,
 (st5) .
 (Margin) , μm 가
 . ,
 st6 st1 st5 . ,
 , ,
 가 가 , 가 .

(22) (Al), (Cr), (Mo) 가 (32)

1 (32) (33) (22) (SiO₂), (SiN_x)

d type) (36) (33) (Islan

(1 13) (1 15) 가 (32) (39)

(BCB) (Acryl) (resin) (35) (38)

(22) (31) (5)

(2) (5) (22) (5) (18) (22) (35)

5b 5a F

, W 가 (22)

(2) (35) (37) (35)

, 5a (2) 가

(2) (35) (2) (selant")

(2) (35)

(W) 가 (2)

(width)

2 ; ; 2 ; W 가 ,

- 1 -

1

, 6a 6c 1

6a 6c 4 - , 1

6a (photo - resist)

가 5a (133)

(135)

(133) (135) (111)

(137)

40) (slit mask) (139) (137) (137) (1

(139)

(140) (139) (140) , 가

(137) 가

(A)

(140)

(140)

가

(137) 가

(137)

(B)

6b (133) (135) (

(137) 가

(141) (135) (133) (C)가

(141) 가

(141) (W)

6c (141) (143)

(143) (C) (141)

(143)가 (111) (151)

(143) (141) 가

2 - -

2

7a 7c 2 , 4 -

7a (221) (233) (235) (235)

(237) (221) (235)

(f₂) (f₁) (stripe)

(237) (W)

(a) (b)

(W)

7b

(235) (235) (233)

(D) (W) (d₁) (d₂)

(333)

, W (e₁) (e₂) .

8c 9c 8b 9b (34) 3) (345)

(e₂) (e₂) (343) (333) (343)

(333) (337) (343) 가

(343) (333)

10a 10d 1 2 ,

(415) 가 (417) () (413) (411)

(57)

1.

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가 ;

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, W 가 , W 가 가

2.

1 ,

3.

1 2 ,

4.

,가

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1

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2

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가

5.

4 ,

1

(SiO₂)

(SiN_x)

6.

4 ,

2 ,

7.

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가 ;

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, W 가 , W

8.

7 ,

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9.

7 ,

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10.

7 9 ,

11.

7 9 ,

12.

, 가 ;

1 ;

1 ;
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 2 ;
 2 W 가 ;

13.

12 ,

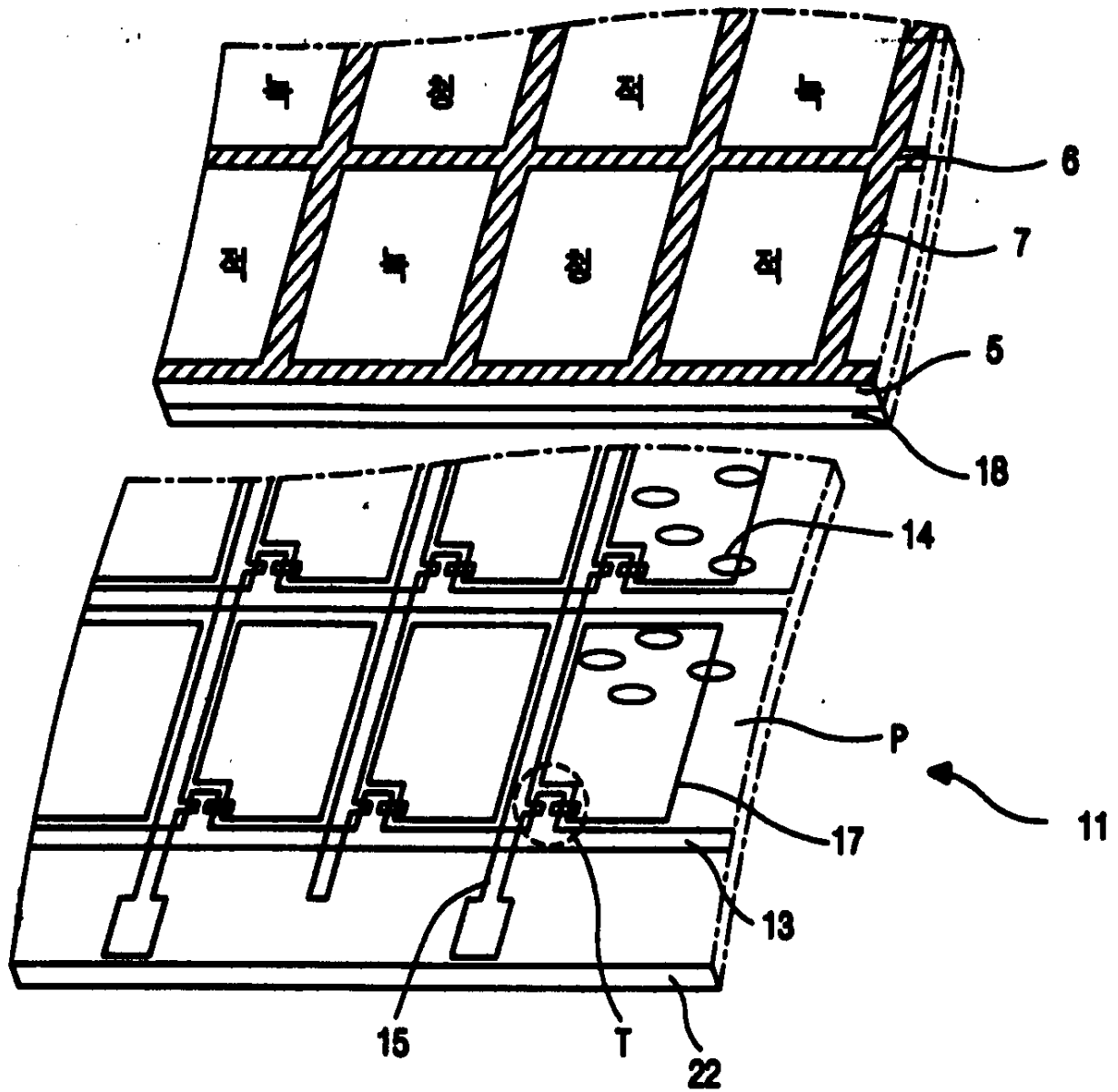
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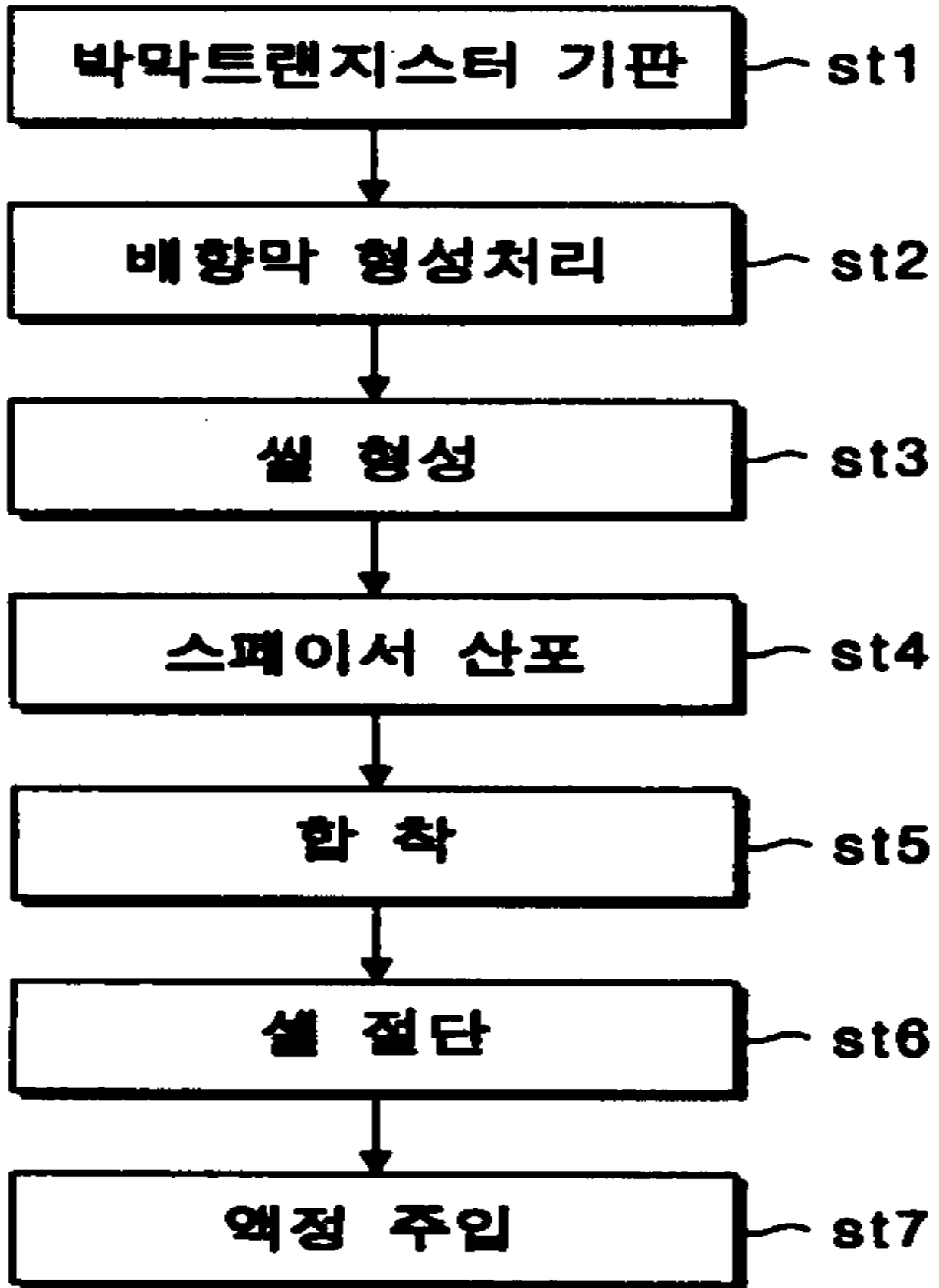
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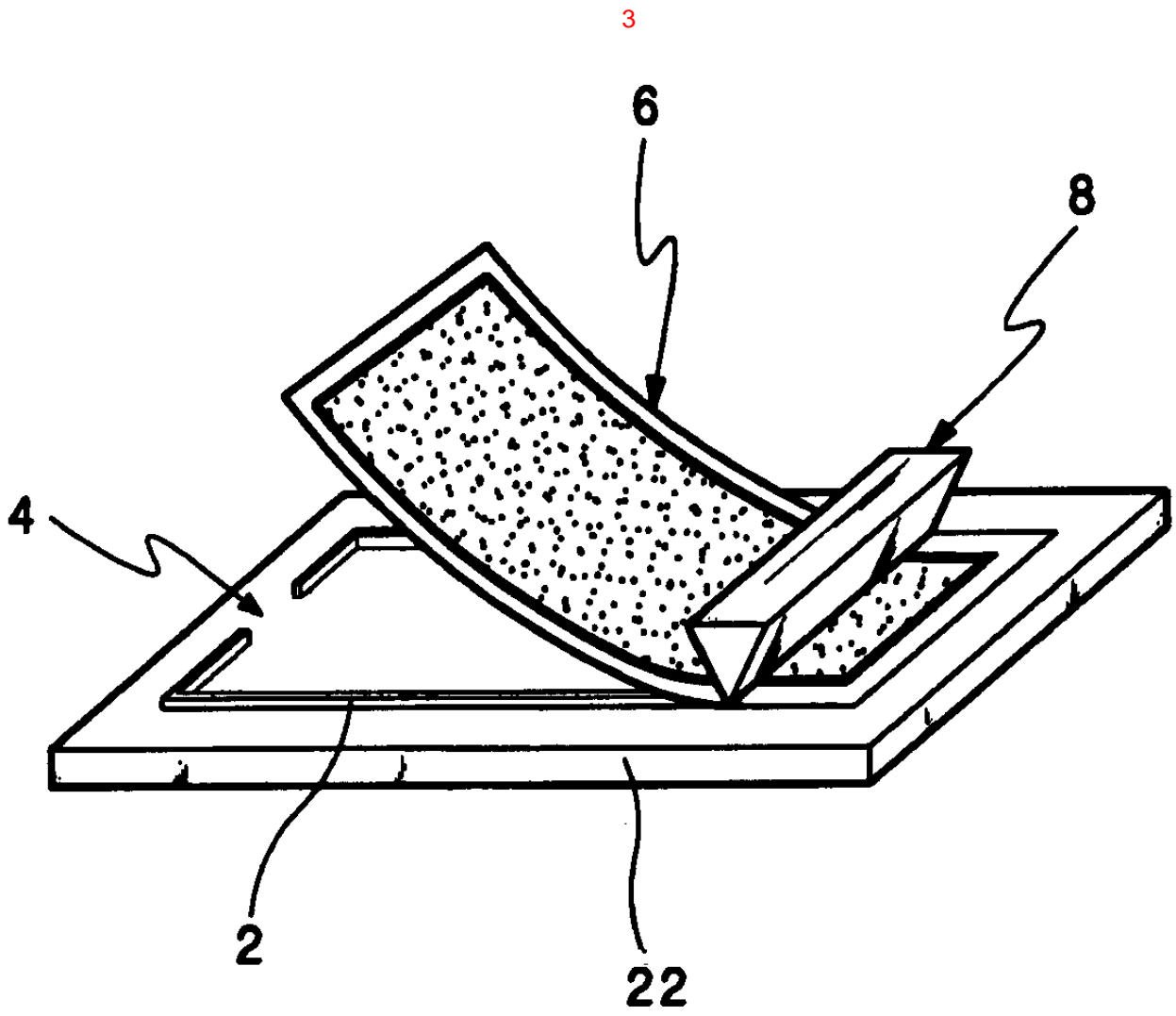
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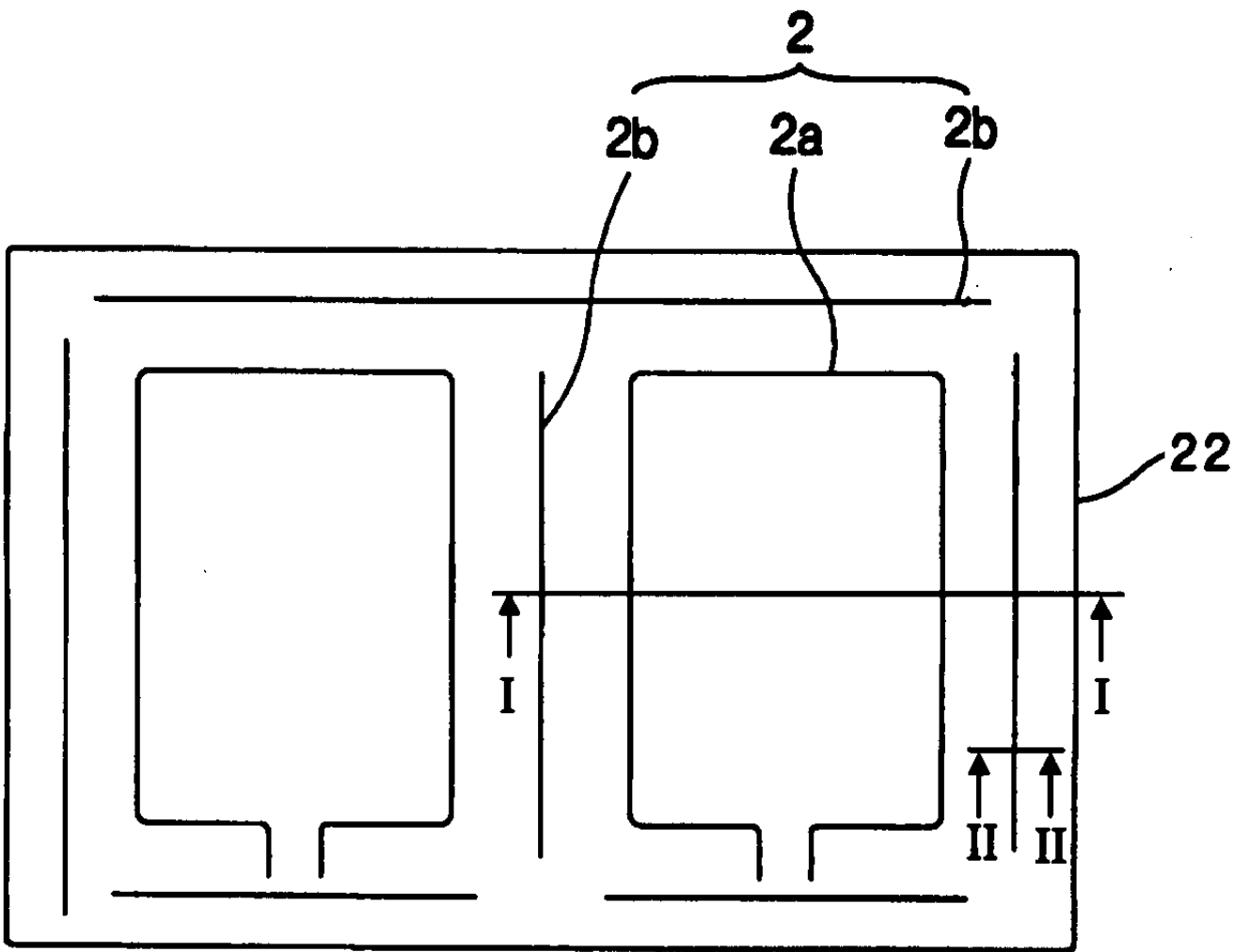
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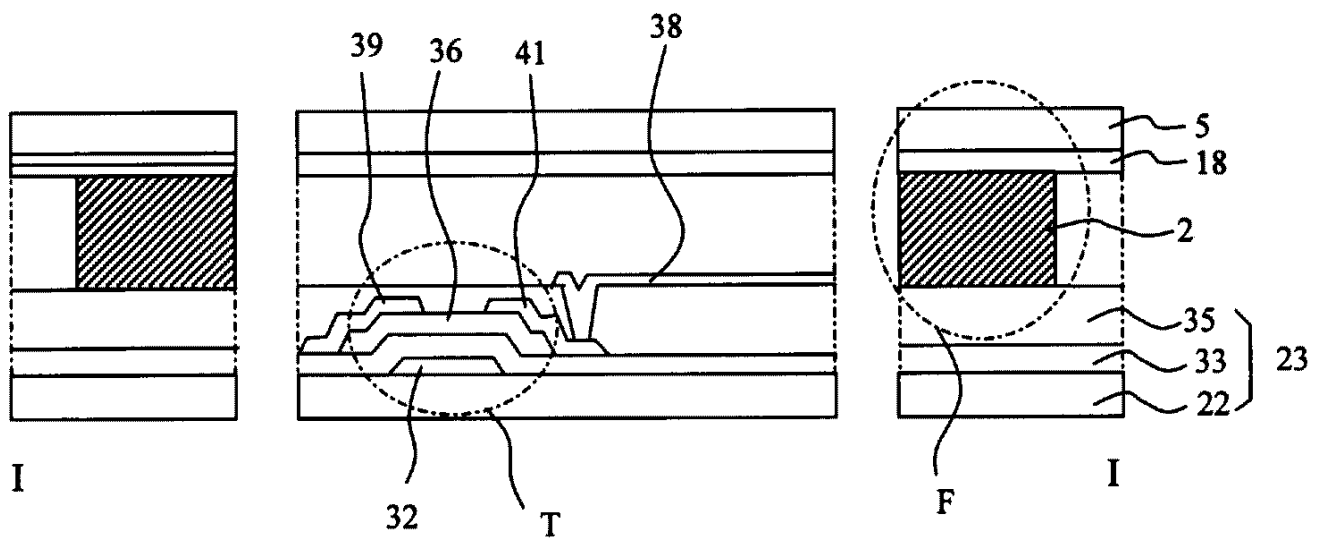




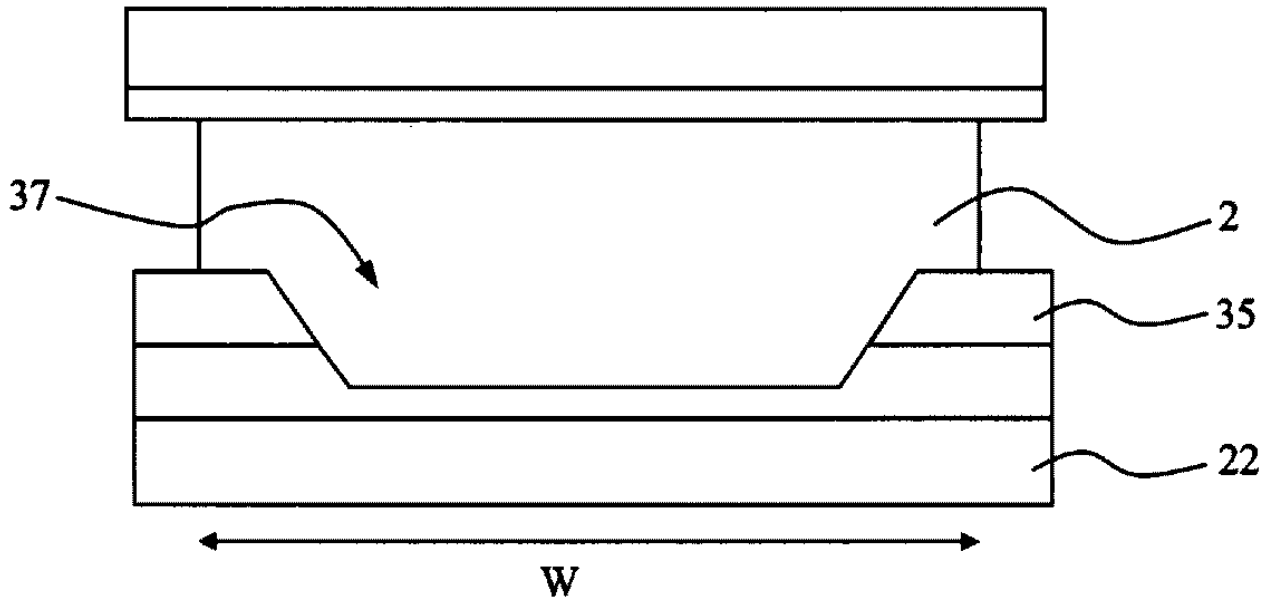
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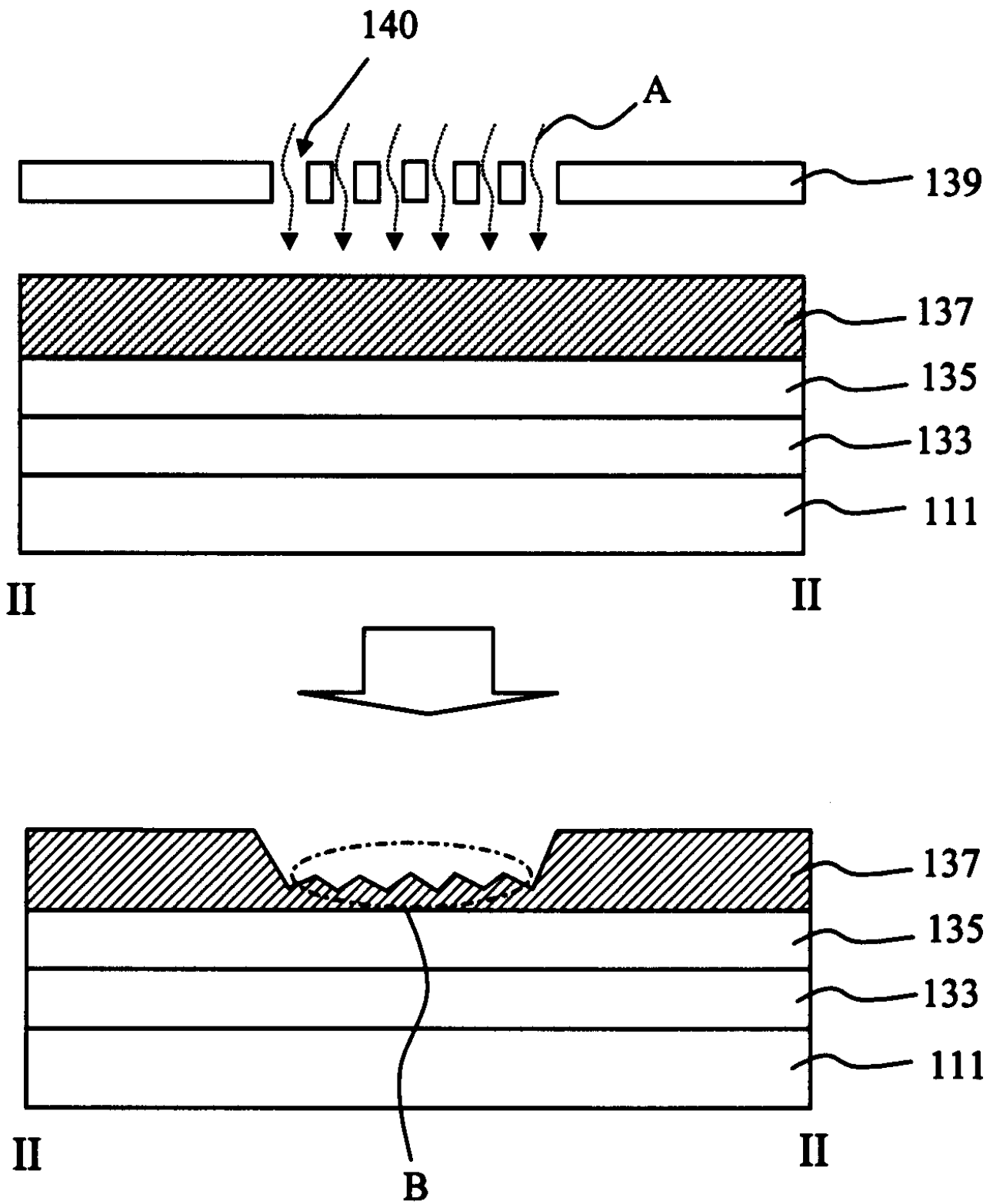
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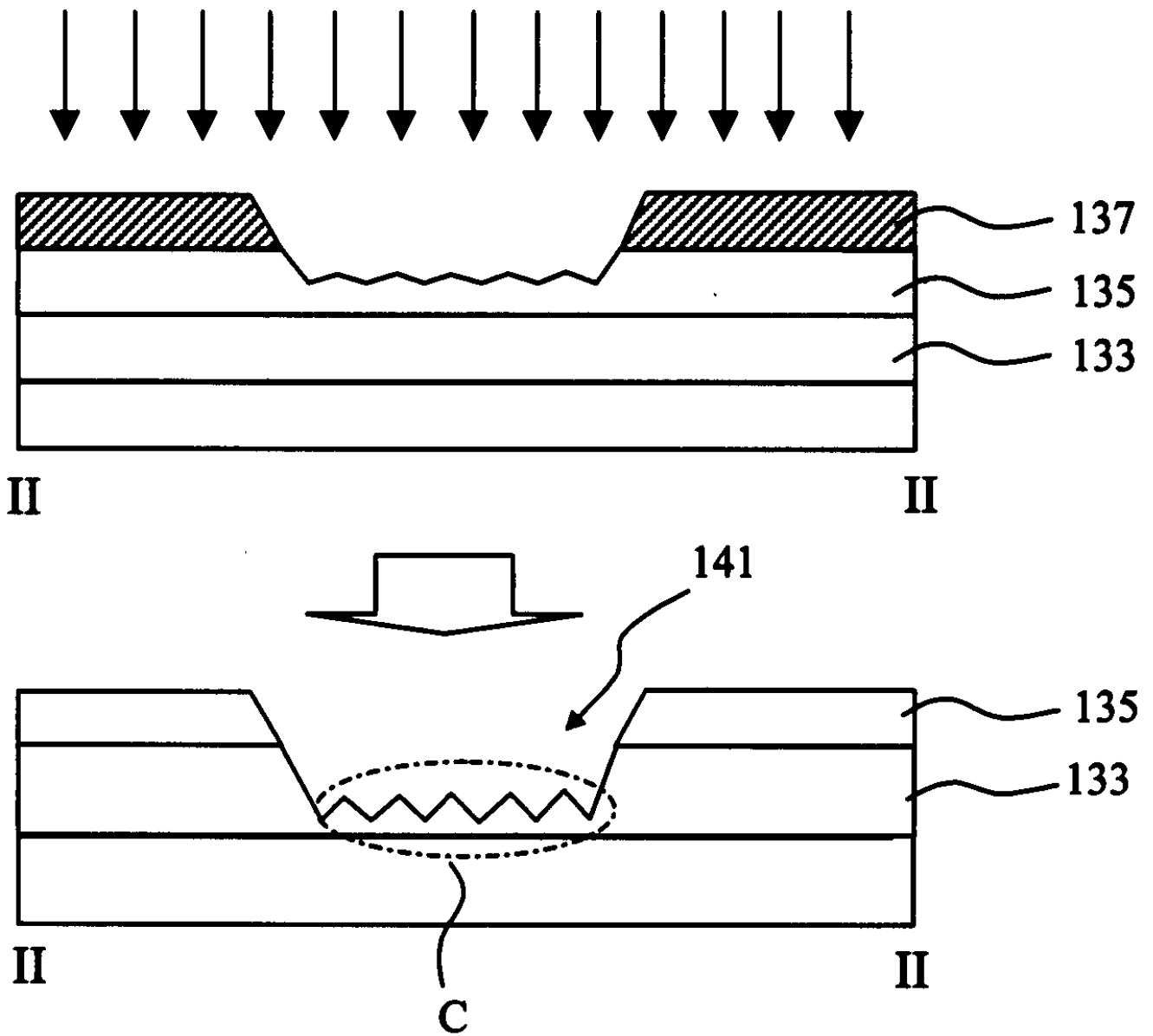
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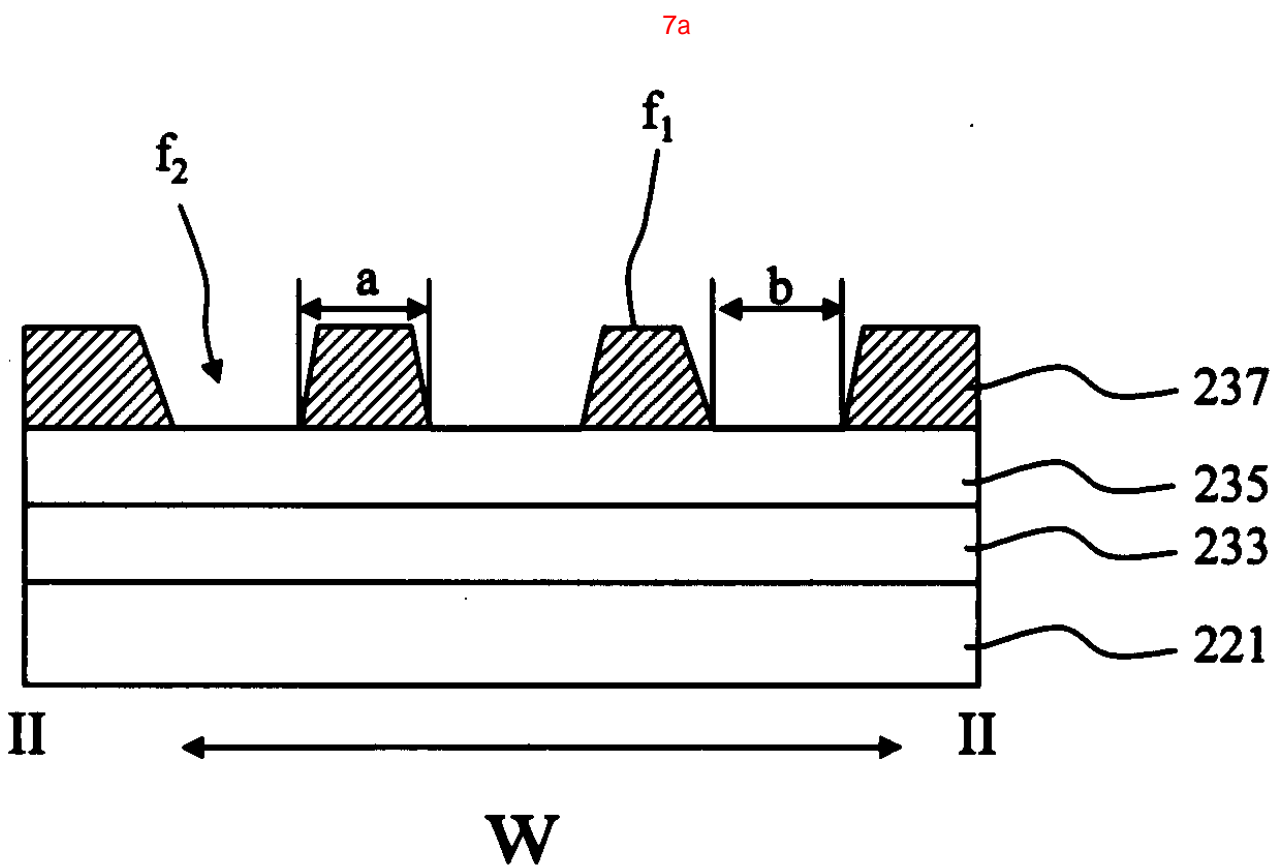
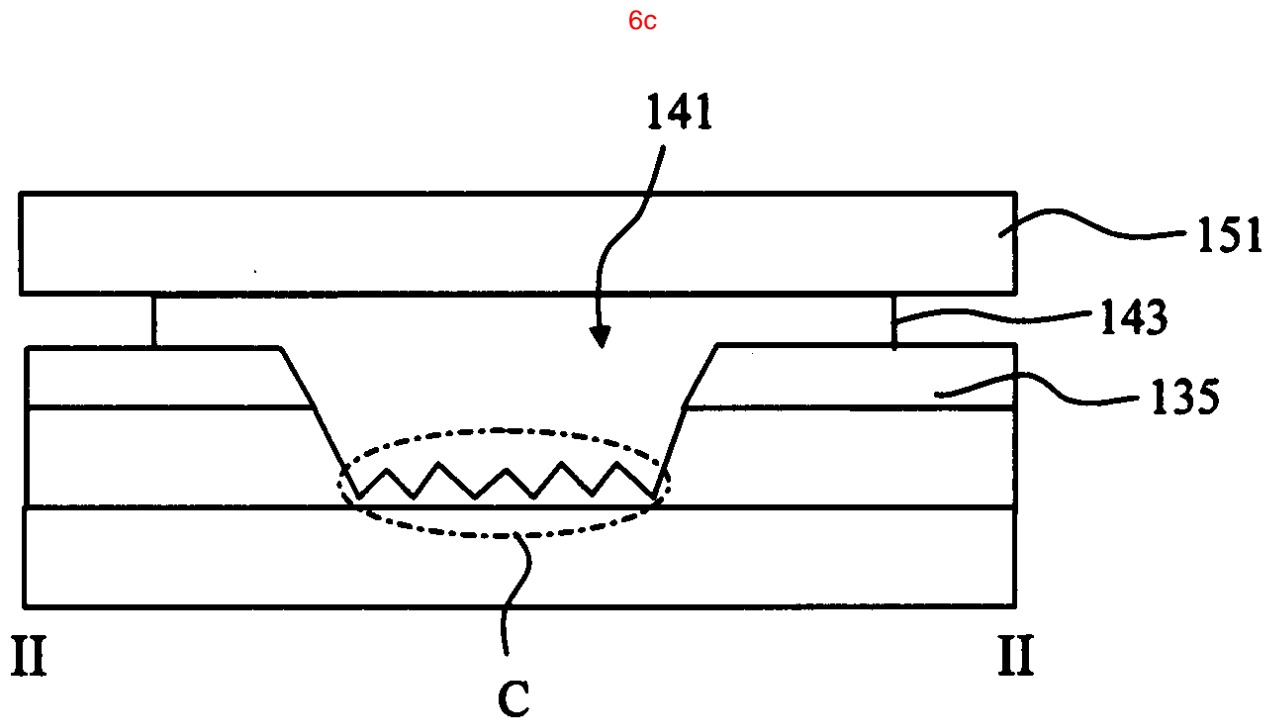


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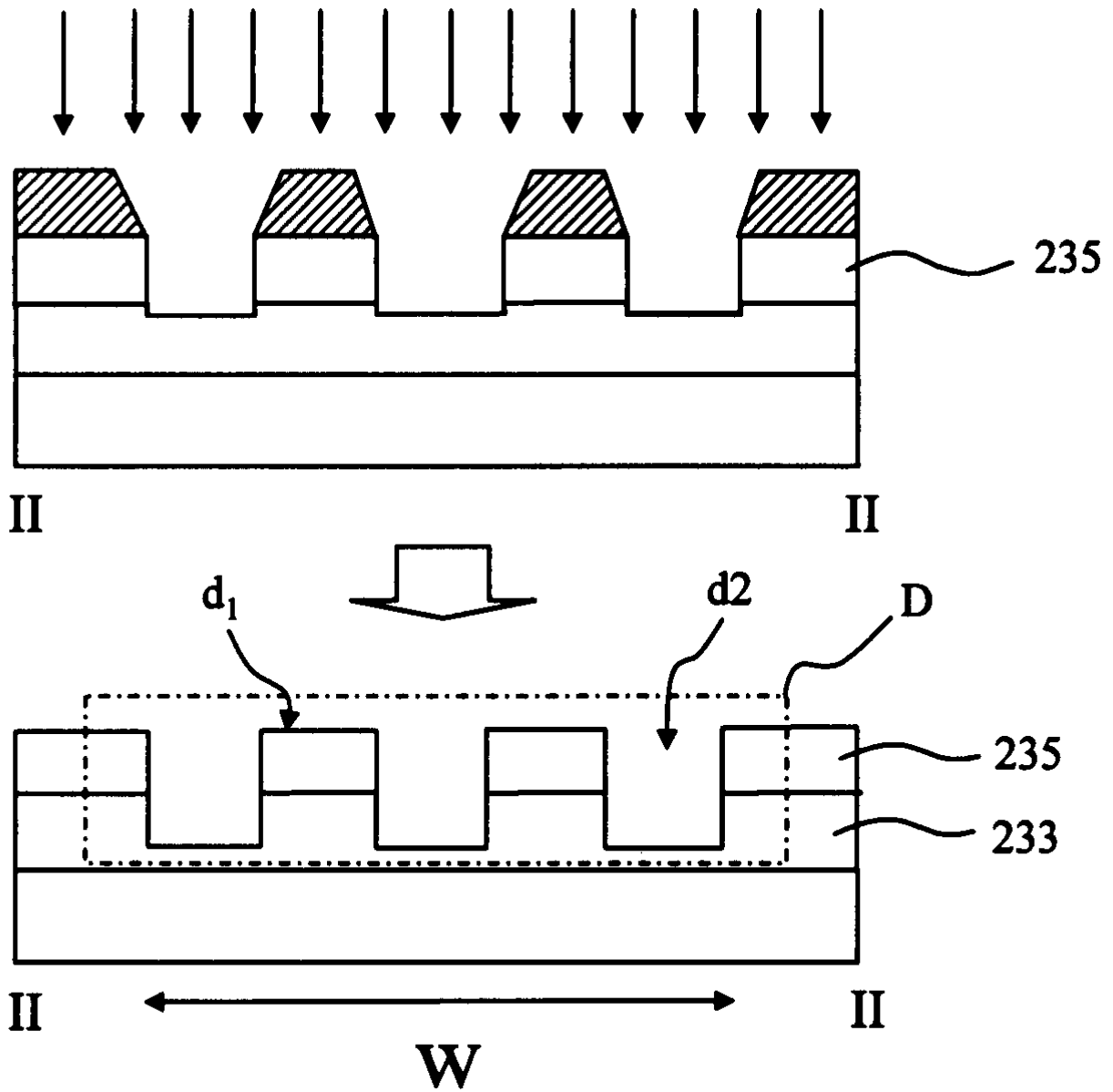


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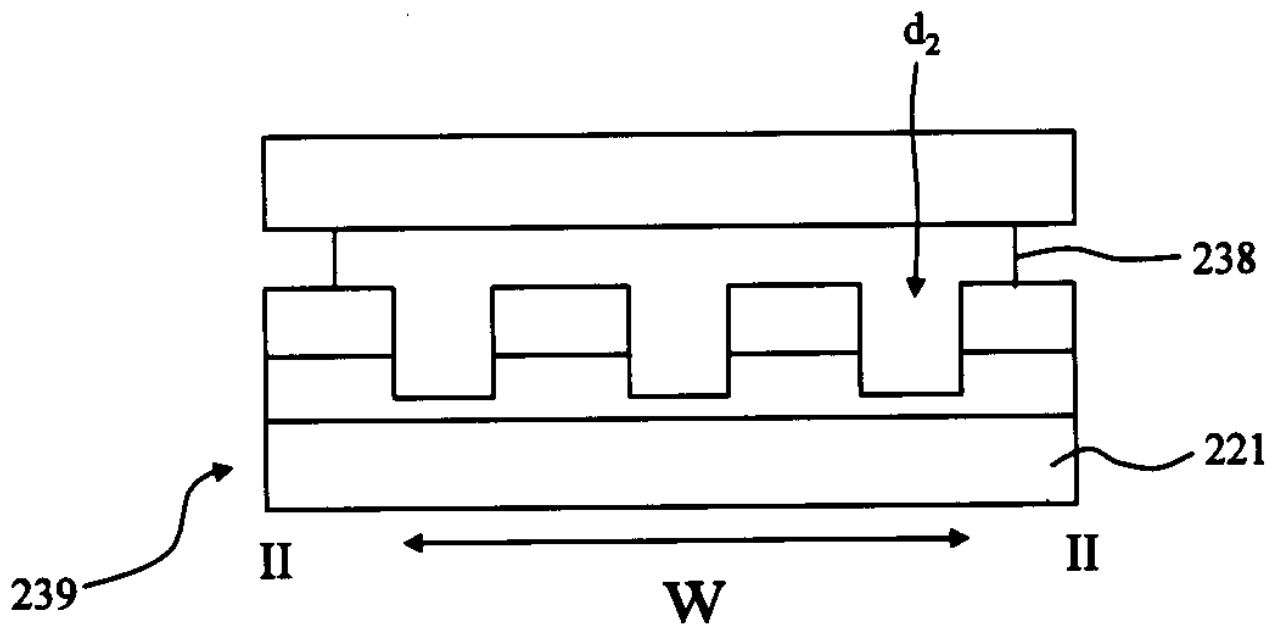




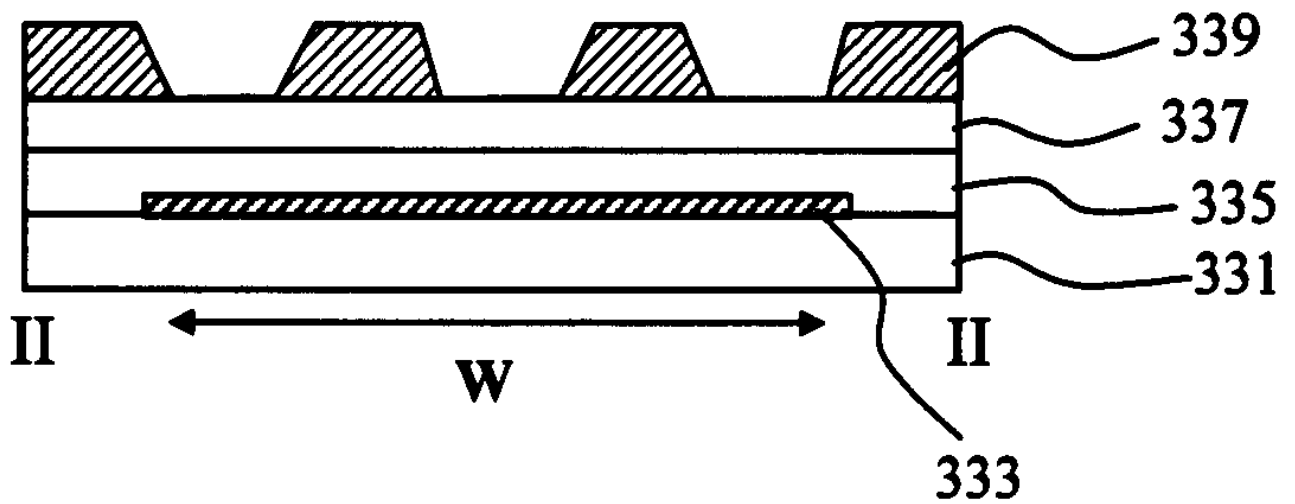
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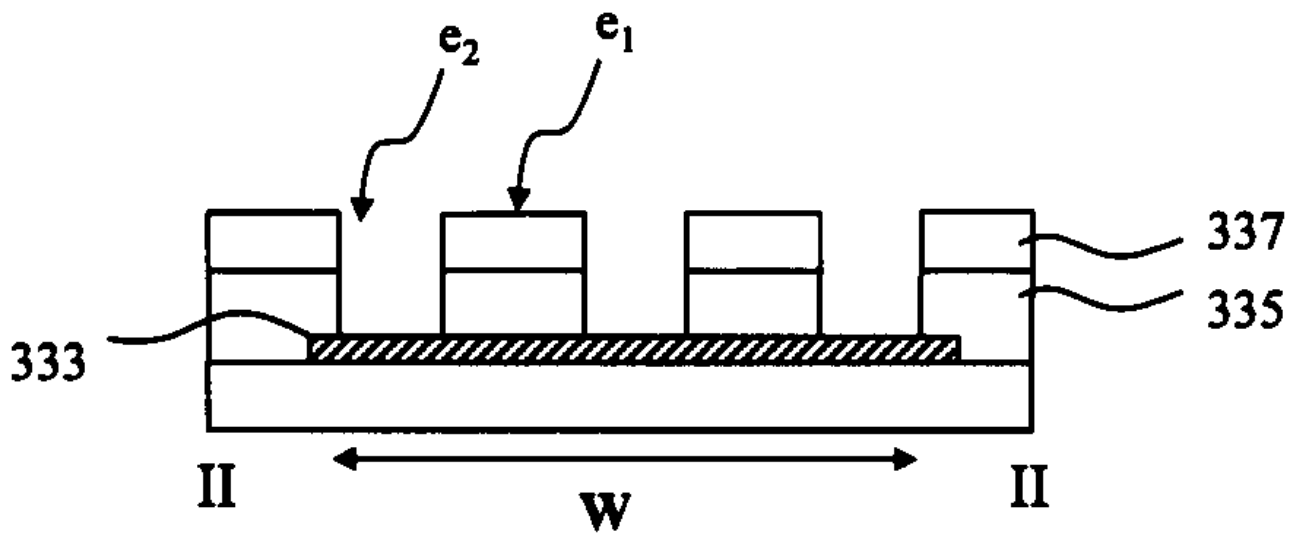
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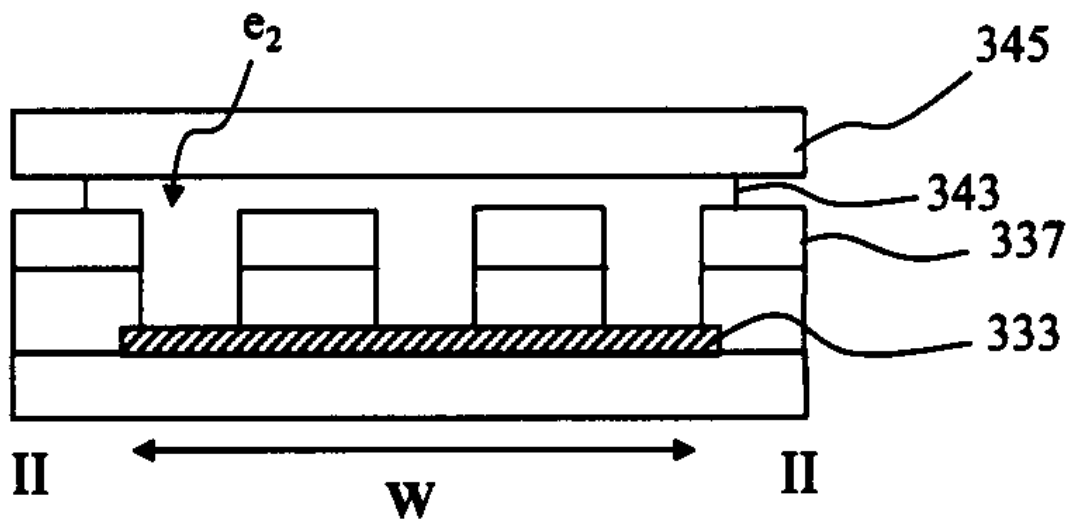
8a



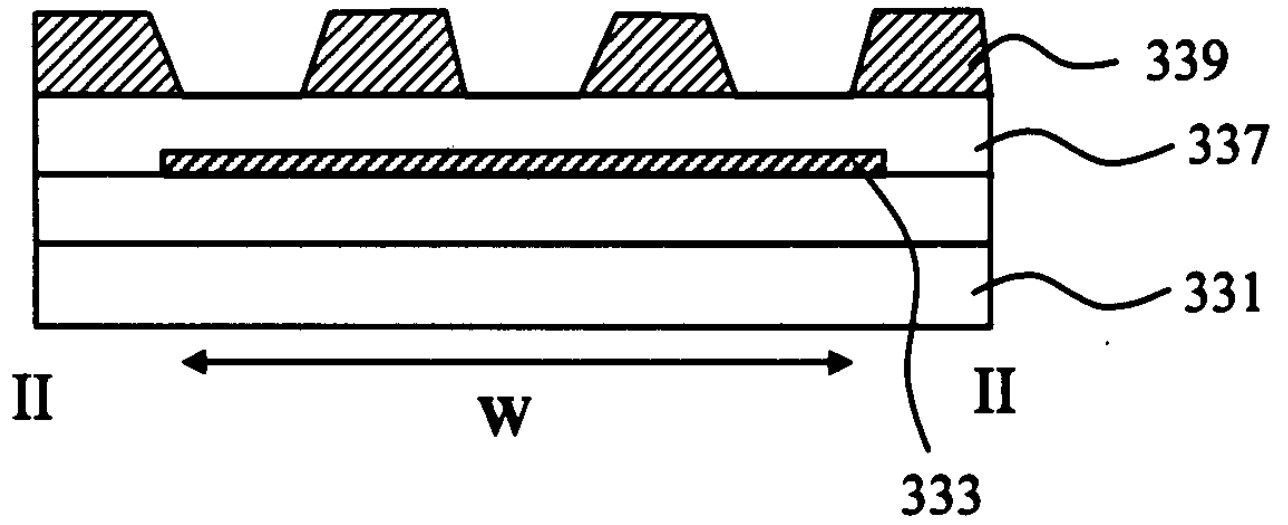
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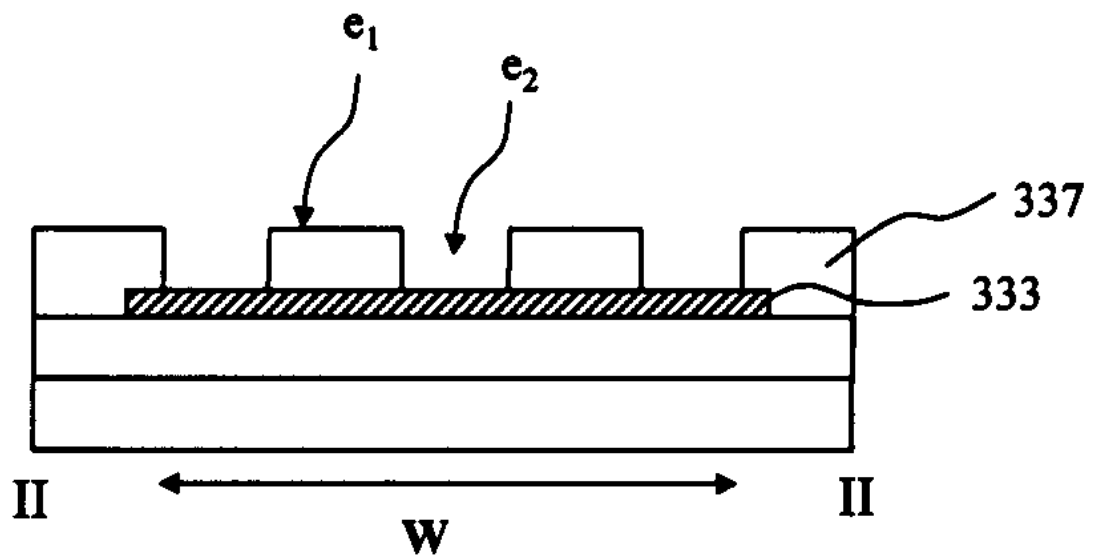
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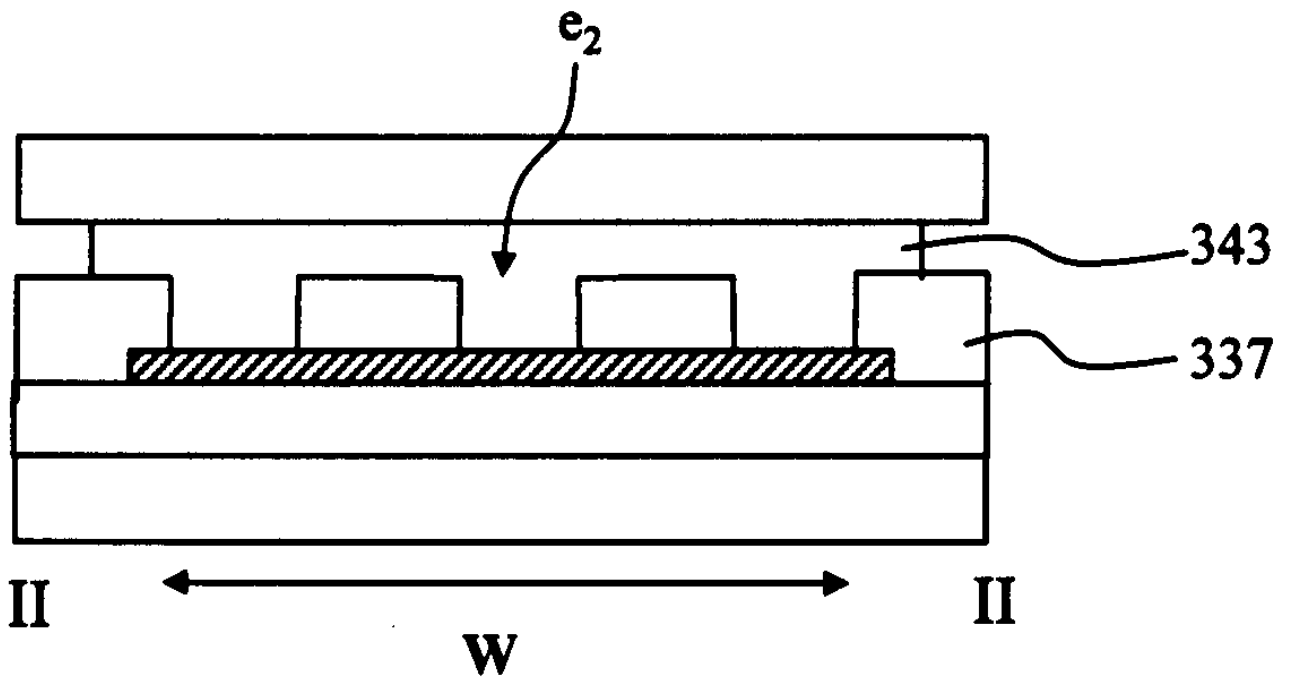
9a



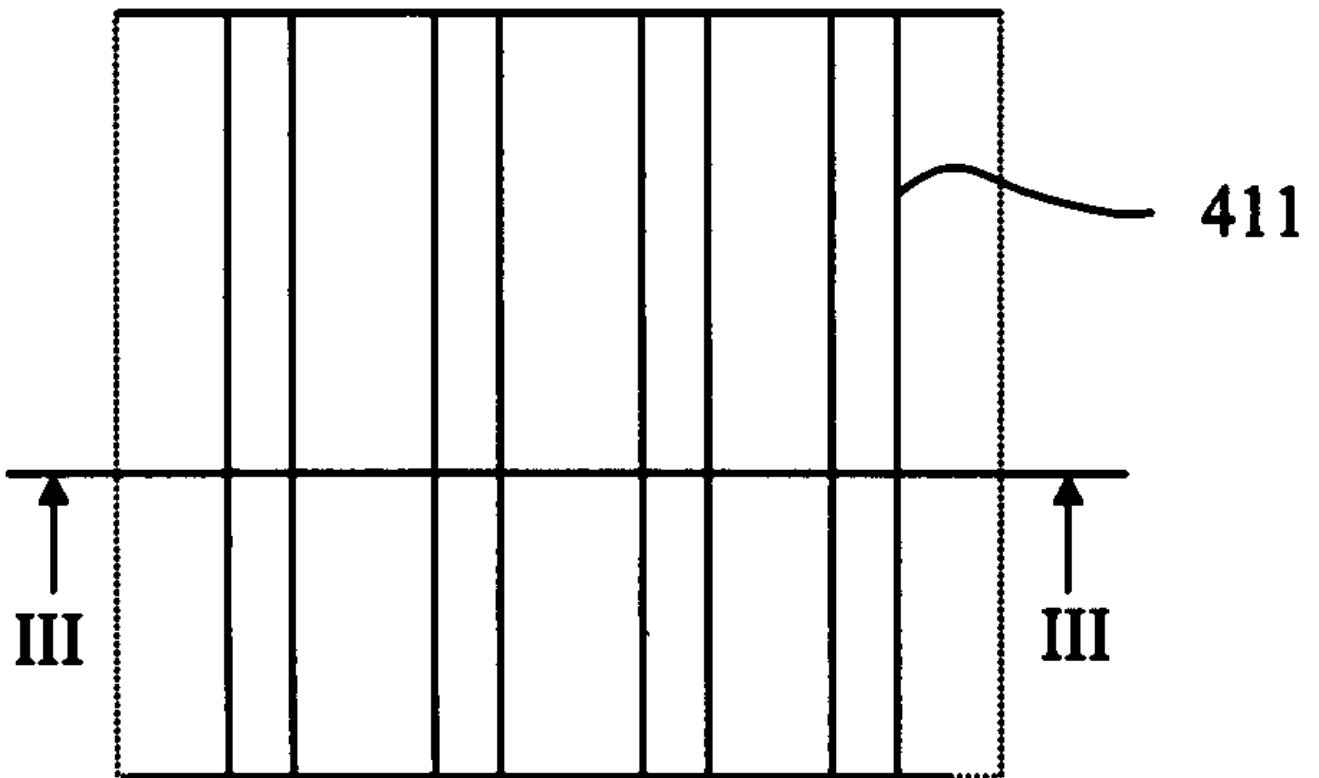
9b



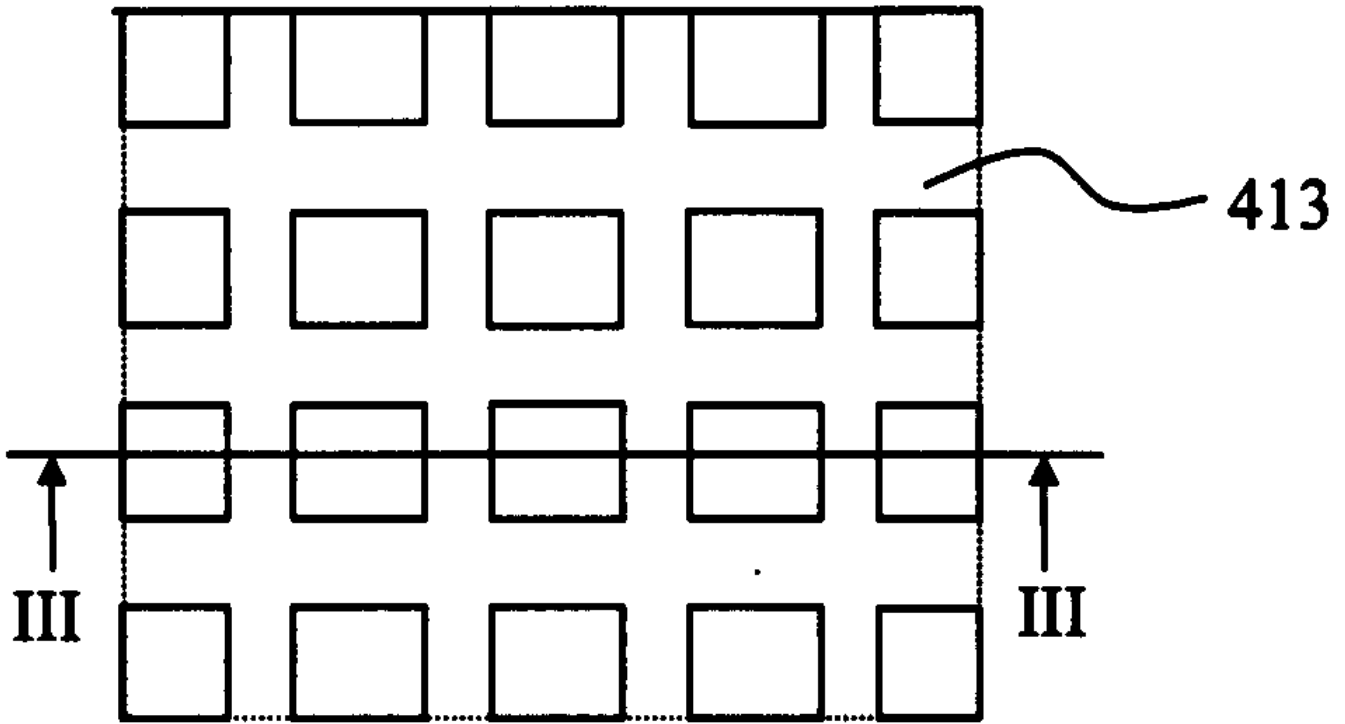
9c



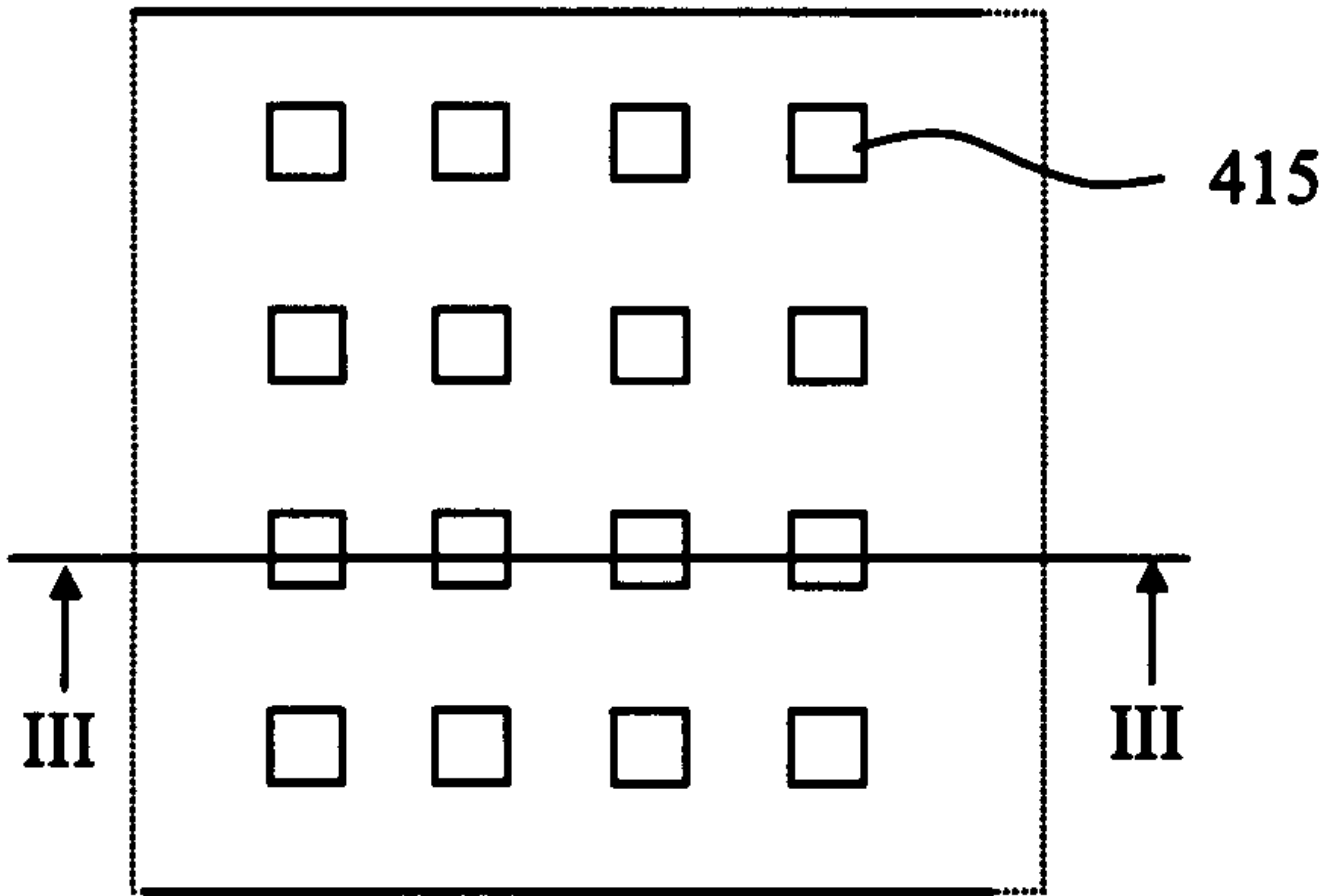
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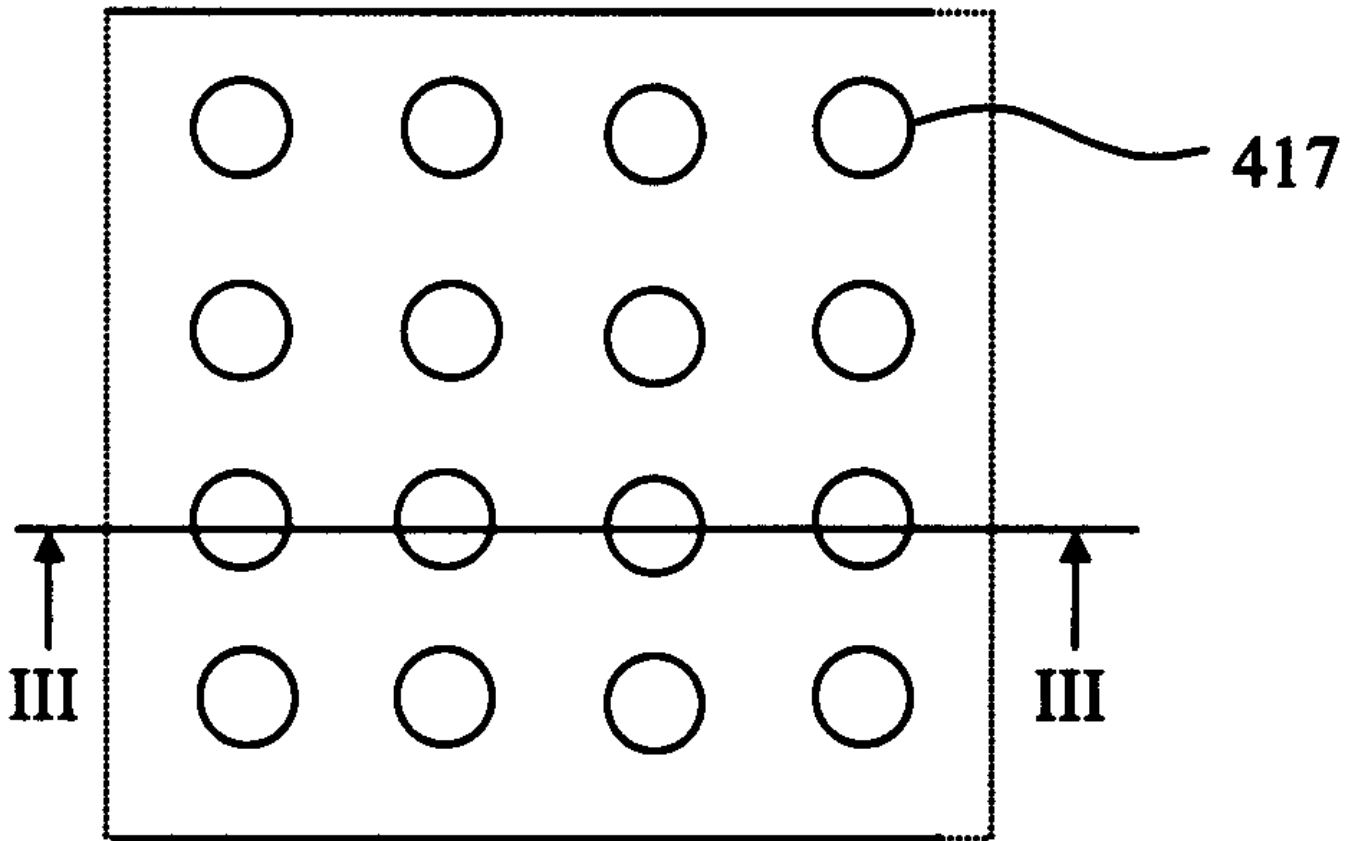
10b



10c



10d



专利名称(译)	用于液晶显示装置的阵列基板及其制造方法		
公开(公告)号	KR1020010105058A	公开(公告)日	2001-11-28
申请号	KR1020000026786	申请日	2000-05-18
[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	BAE SUNG SIK 배성식		
发明人	배성식		
IPC分类号	G02F1/1339 G02F1/1362 G02F1/1333 G02F1/136		
CPC分类号	G02F1/1339 G02F2001/133357 G02F1/136227		
其他公开文献	KR100586240B1		
外部链接	Espacenet		

摘要(译)

液晶显示器技术领域本发明涉及一种液晶显示器，更具体地涉及一种形成用于印刷密封剂的密封图案区域的方法，该密封剂是用于附着液晶显示装置的上基板和下基板的装置。在本发明中，在下基板中限定的密封图案区域的绝缘层被部分地图案化以在底表面上形成具有凹凸形状的蚀刻凹槽，或者在横截面上形成由突起和凹陷部分组成的蚀刻图案。可以制造其中不发生密封剂的吹出的液晶显示装置。图6c

