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2003 07 04

(21) 10-2001-0087519
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4a

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(21) (49) (61) (11) (13) (21) (15) (A)
 (14) (21) (41) (15)
 (11) (reflective mode)
 15) (14) (F2) (49) (14) (F2) (13) (Image)
 (Transmission mode) (21) (41)
) (F1) (41) (61) (13) (61) (14) (14) (41)
 (41)

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(T) 가 (T)가 (matrix type)
 (25) (39) (P)
 61) (25) (C)가 (P)
 (31) (T) (23) (35) (37)
 (P) (49,61) (49,61) (61) (A) (49)
 (B) (D)
 , 4a 4c , 3
 4a 4c 3 - 1
 , 4a 1 (21) (23) (25)
 (25) (21) 1 (29)
 (29) (SiN_x) (SiO₂)
 2 (23) (29) (31)(active lay
 er) (33)(ohmic contact layer)
 3 (33) (35) (37) (35)
 (39)
 (25) / (43)
 , 4b (39) (21) 2
 (45)

(45) (BCB) (acryl) (resin)

(47) (45) 3

3 (47) PECVD (SiN_x) (SiO₂)

(45) 3 (47) (49)

(ion) (45) (sputtering) (45)

(chamber)가

(AlNd) 3 (47) (21) (Al)

(A) (49) 4 (P)

(SiO₂) 4c (49) (21) 4 (SiN_x) (51)

5 (49) 4 (51) (53) 3 (47) 2 (45) (37)

(49) 4 (51) (49) (43) (54) (55)

(49) (43) (21) 6 (ITO) (IZO)

(P) (37) (61)

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1 (49) (61) (49)

5 2

2 1

(T)가 (21) (23) (31) (35,37)

(37) (49) (61) (49) (A) (61)

(P) (61) (C)가

1 (35,37) (25) / (43) 2

/ (43) (61)

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(P) (125) (139)

(135,137) (125) (139) (123) (131)
(T)

(137) (P) (141) (147) (141)

126) (147) (C) (125) 1 (141)
(141) 2 (143)

(E) (F) (141) (147) (P)

7a 7c 6 - 1

7a 7c 1 (P) (111) (123)
(125)

(125) (P) 1 (126)

(Al) RC (delay) (hillock)
(Al/Mo)가

(125) (111) (SiN_x) (SiO_x)
(129)

(133) 2 (123) (129) (131)

(131) (a-Si:H) (131)
(n+a-Si:H)

7b (133)
(135) (139) (135) (137)

143) 1 (137) (P) (141)

29) (C) (143) 2 1 (126) (1)

(acryl) (135, 137) (141) (111) (BCB)
(SiN_x) (SiO₂)
2 (145)

, 7c , 4 (137) (147)
 .
 , (147) (111) - - (ITO) - - (I
 ZO) 5 ,
 (137) (149)
 (149) (141)
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 -- 2 --
 2 1
 8 2
 , (P) (125) (139)
 .
 (135,137) (125) (139) (123) (133)
 (T)
 (137) (P) (141) (147) , (141)
 (141b) (141) 1 (141a) , 1 (141a) (141) 2
 3 (141c)
 126) (147) (C) (125) 1 (((141) 2 (143) . (141) 3
 .
 -- 3 --
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 , 9 3
 , (222) (P) (225) (239)
 .
 (235,237) (225) (239) (223) (231)
 (T)

(237) (P) (241) (247) , (241)

) (241) 가 (234) , (234)
 (233)

(241) (234) , (234)
 (241)

226) (247) (C) (225) 1 ()
 (241) 2 (243)

(E) , (F) (241) (247) , (P)

10a 10c 9 - , 10a 10c .
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10a (P) (222) (223)
 (225)

1 (225) (P) 1 (226)

(Al) RC (delay) , (hillock)
 (Al/Mo)가

(225) (222) (SiN_x) (SiO_x)
 (229)

(133) , 2 (223) (229) (231) (131)
 (234)

(231) (a-Si:H) , (231)
 (n+a-Si:H)

(234) (a-Si:H) (n+a-Si:H)

10b , (233)
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237) , (235) (239) , (235) ()
 (237)

(243) 1 (226) (P) (241) ,

(P) (241) (234)

(C) (243) 2 , 1 (226) (229)

(acryl) (235, 237) (241) (222) (SiN_x) (BCB)
 , 2 (245) (SiO₂)
 , 10c , 4 (237) (247)
 ZO) (247) (222) - - (ITO) - - (I
 (249) 5 , (237)
 (249) (241) , (241)
 , 3 .
 3 , 4
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 4 3 ,
 , (222) (P) (225) (239)
 (235,237) (225) (239) (223) (231)
 (T)
 (P) (241) (247) , (241)
 (237)
) (241) (237) (241)
 2 (241b) 3 1 (241a) , 1 (241a)
 (241c) 가 .
 (241b,241c) 가 (241) (233)
 (234) .
 가 ,
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 226) (247) (C) (225) 1 ()
 (241) 2 (243) .
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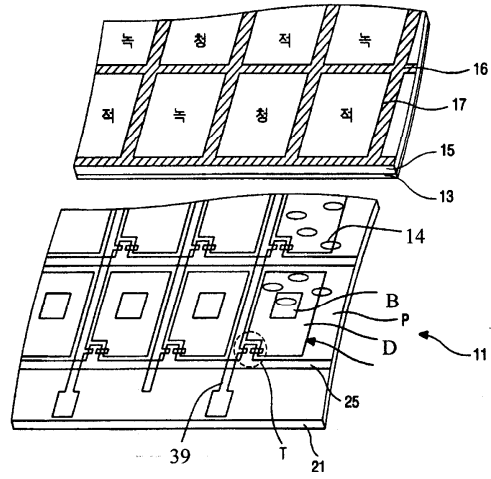
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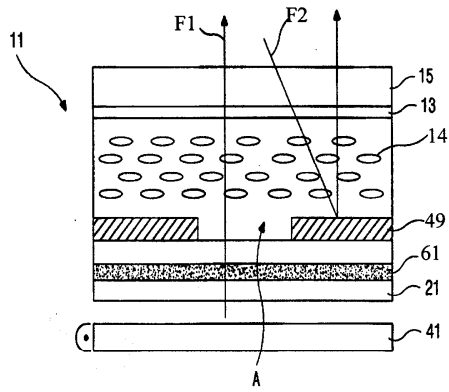
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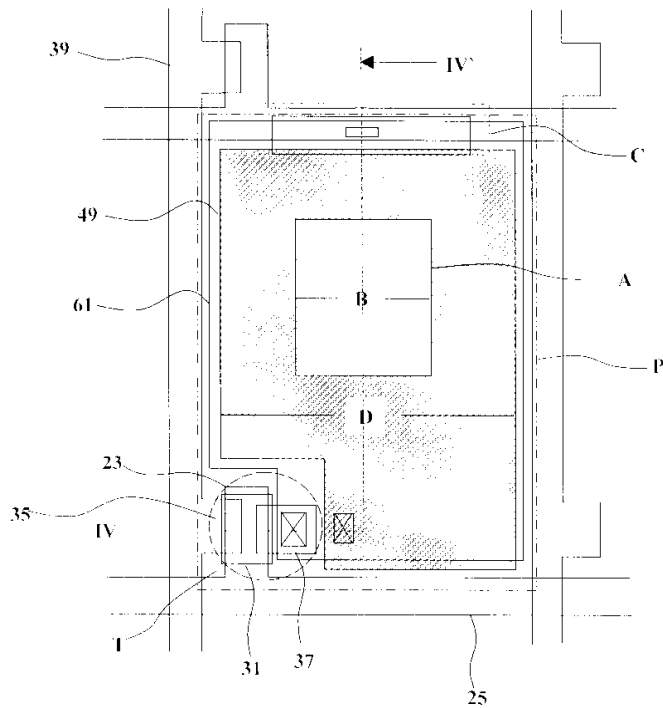
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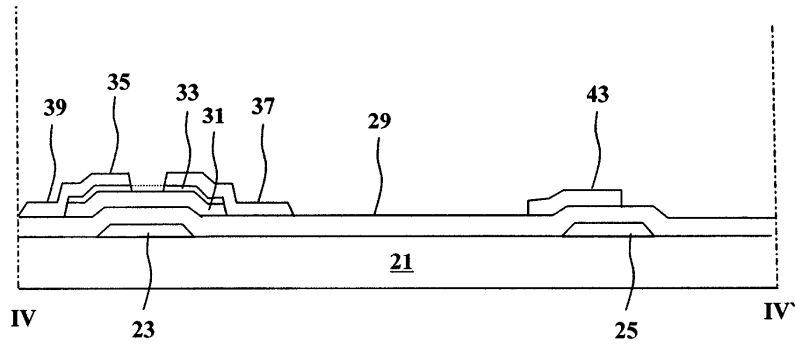
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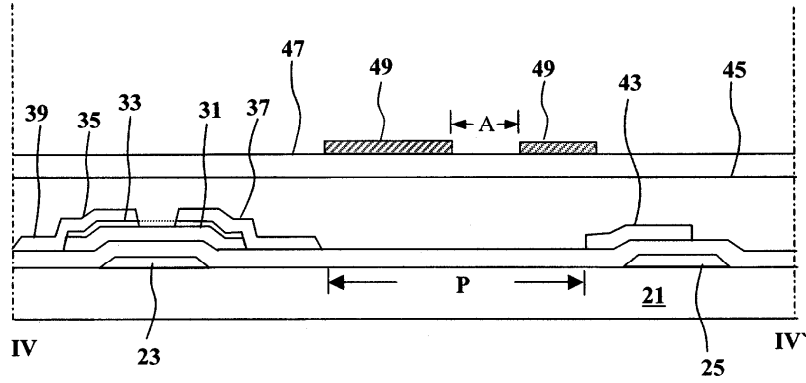
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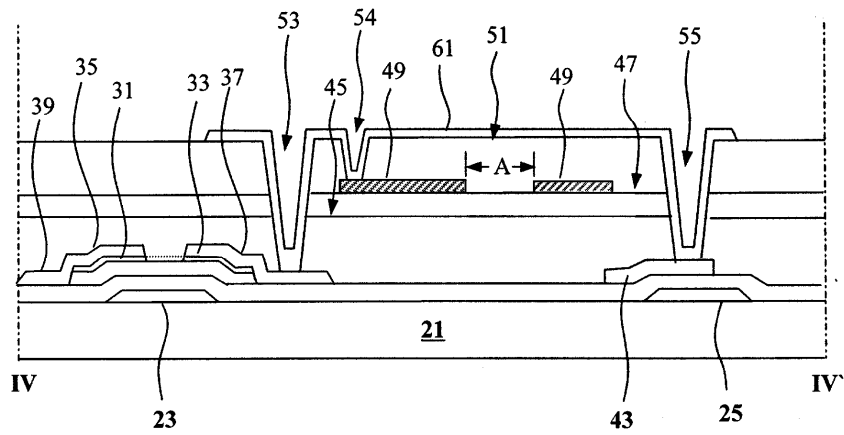
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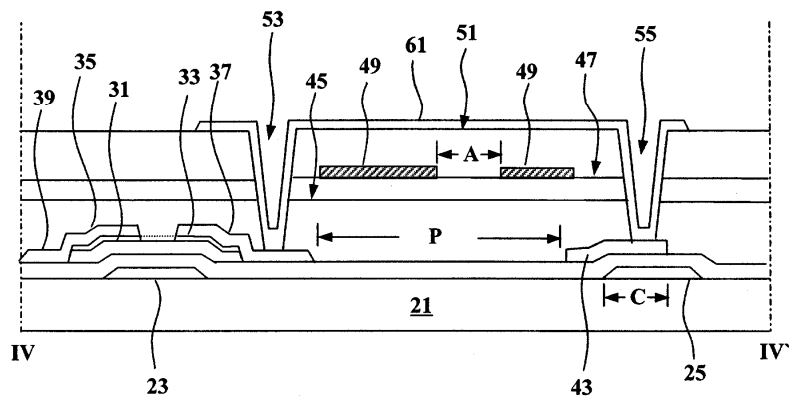
4b



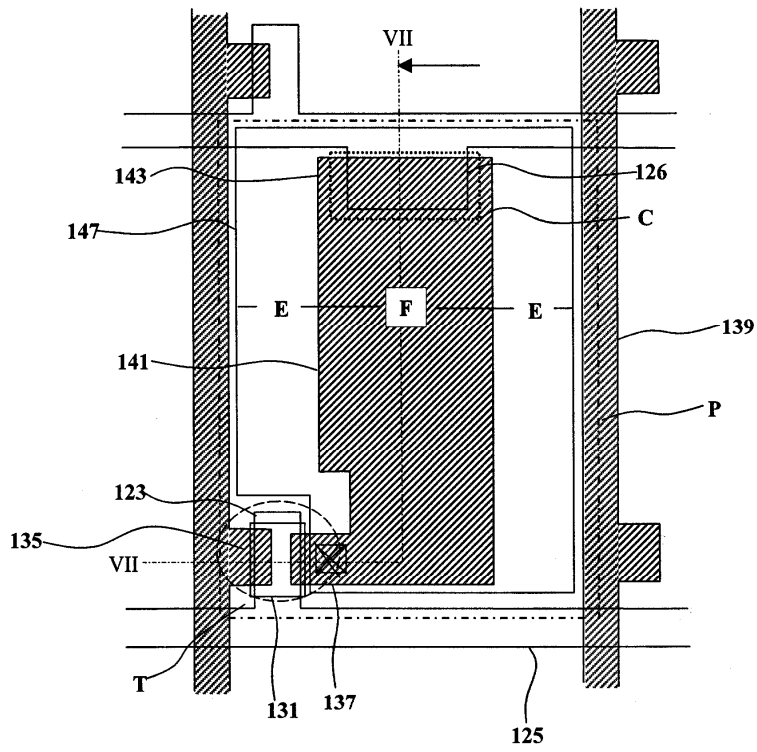
4c



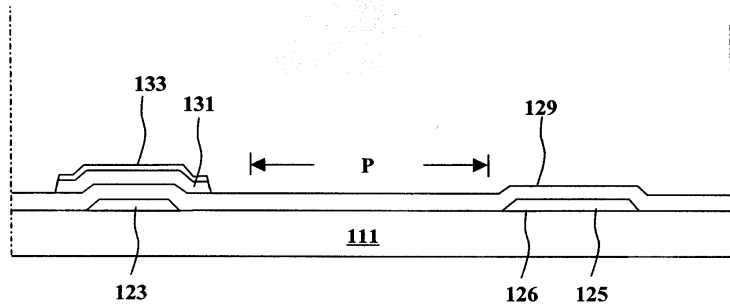
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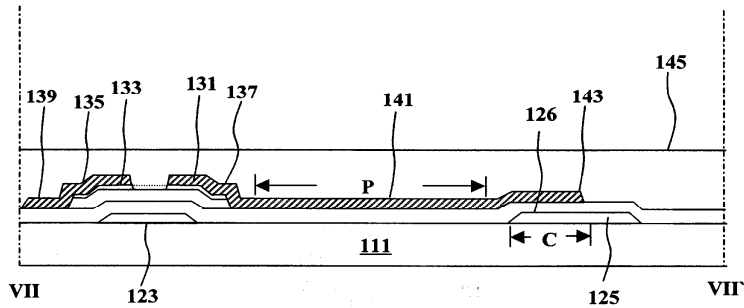
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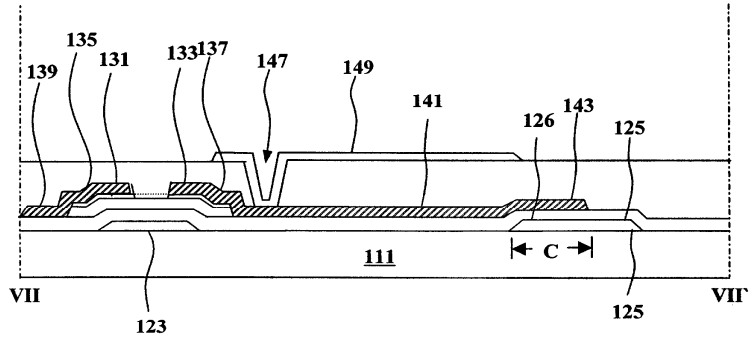
7a



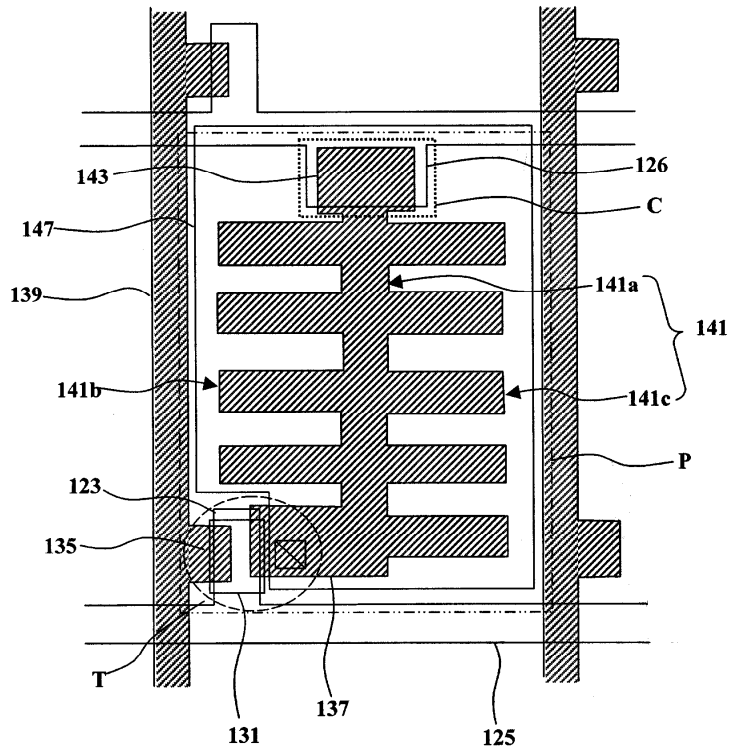
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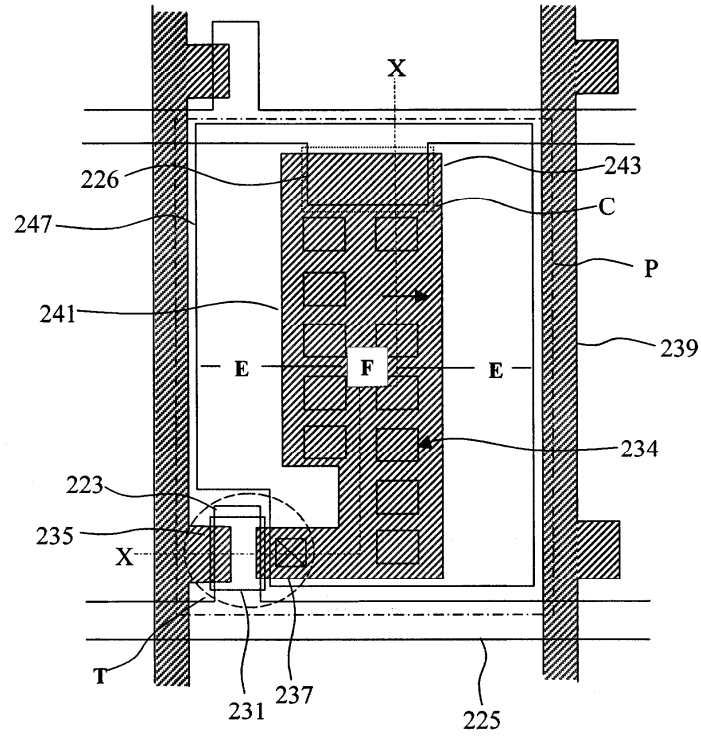
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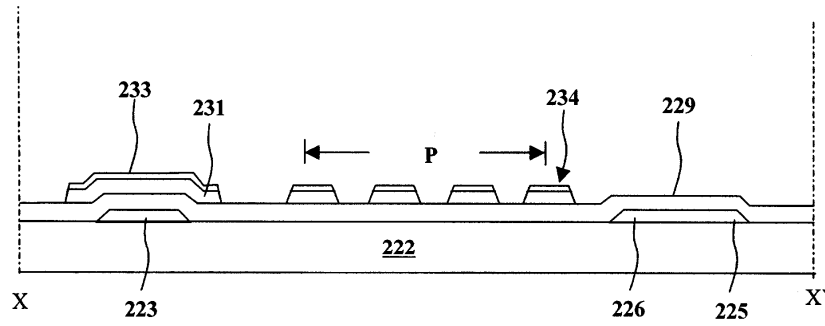
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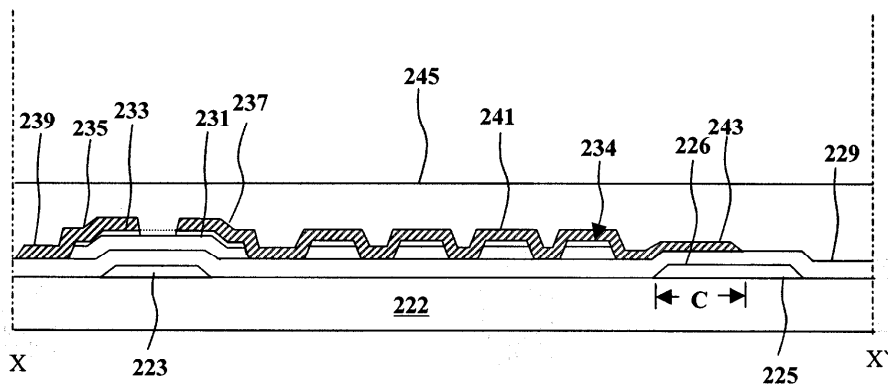
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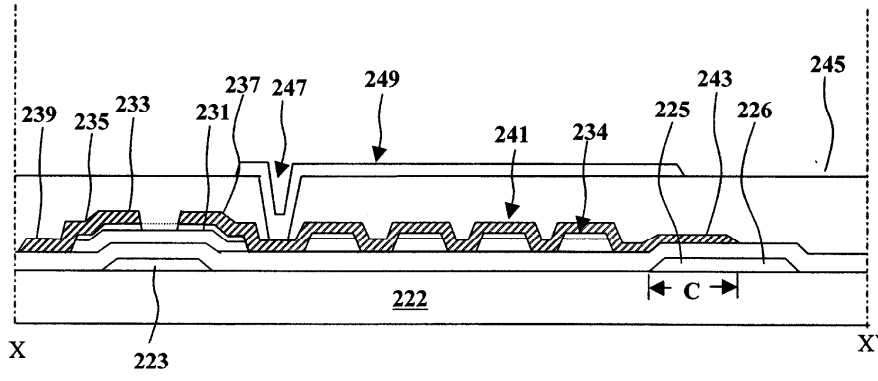
10a



10b



10c



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