

4b	4a	IVb-IVb'	,
5b	5a	Vb-Vb'	,
6b	6a	VIb-VIb'	,
7b	7a	VIIb-VIIb'	,
8a	2		,
8b	8a	8a VIIIb-VIIIb'	
	,		
9a	2		,
9b	9a IXb-IXb'	,	
10	9b	,	
11a	10	,	
11b	11a XIb-XIb'	,	
12a	11a	,	
12b	12a XIIb-XIIb'	,	
13a	12a	,	
13b	13a XIIIb-XIIIb'	,	
14	3	.	

- 110, 210 : 121 :
- 123 : 140 :
- 151, 154, 157, 159 :
- 161, 163, 165, 167, 169 :
- 171 : 173 :
- 175 : 180 :
- 181, 182 : 190 :
- 220 : 270 :

가 ,

가 1 2 1 2

가

가 가

가

[1]

1 1 1 2 , 1 II-II'

00) 1 (100, 200) (100) (2

1

1 2 (110) , (121) 1 (100) (121) (125)

(123) (121) (121)

(110) 가 1 2 (133a, 133b),

1 2 (131a, 131b) (131a, 131b) (121) (131a, 13

1b) 가 가 1 2 (171) 1 2

(131a, 131b)

(131a, 131b) (121) (190)

(270) 가 가 가

(121) 가

(121) (131a, 131b) (140)

(140) (151, 154) (151), (154) (151, 154)

(165) (161), (163, 165) (163) (123)

(154)

(161) (121) (171) (171)

(179) (171)

(173) 가 (171, 179) (123) (165) (173) (163) (173) (175) (171) (175) (154) (180)

(180) (220)가 (133a, 133b) (220) (131a, 131b) (171) (121) (220)가

(220)가 (133a, 133b) (131a, 131b) (131a, 131b, 133a, 133b)

(180) (175) 1 (181), (121) (125) 2 (182), (171) (179) 3 (183)가

(180) 1 (181) (175) (190), 2 3 (182, 183) (190)가 (125, 179) (220) (95, 131a, 13b) 97)가 1b) (171)

(220)가 (190) (171) (131a, 131b) (230R), (230G), (210) (230R), (230G), (230R), (230G), (230R), (230G), (230R)

(250) ITO, IZO (270) (250)

3a 1 3b 3a IIIb-IIIb' 5a 4a 4a 3a 5b 5a Vb-Vb' 4a IVb-IVb' 6a 6b 6a VIb-VIb' 7a 7b VIIb-VIIb' 6a 6a

(110) (121, 125), (123), (133a, 133b) (131a, 131b)

20~80

4a 4b (140) (121) (131a, 131b) (140)
(SiO₂) (SiNx)

(140)

가 (161, 160A) (151, 154)

5a 5b (171) (175)
(171, 179), (173), (175) 20~80

(171, 173, 175, 179) (160A) (161,
163, 165)

6a 6b (171) (175)
(180)

(180)
(220) (220)

7a 7b (180) (175)
1 (181), (12, 125) (125) (171) (179) 2
3 (182, 183)

1 2 (180) ITO(indium tin oxide), IZO(indium zinc oxide)
1 (181) (175) (190),
2 3 (182, 183) (125, 179) (95,
97)

[2]

8a 2 VIIIb-VIIIb' 8
b

2 1 (171) (175) (161, 163,
165, 169) (161, 163, 165, 169) (151, 154
, 159) (173) (17
5)

2

9a 2 9b
9a IXb-IXb' 10 XIb-XIb' 11a 10
12b 12a XIIb-XIIb' 13a 12a 11a 13b 13a
XIIIb-XIIIb'

9a 9b (110) (110) (121, 125), (123
, (133a, 133b) (131a, 131b) 20~80

(140) (121, 125) (131a, 131b)

(140)

(140) (150), (160)

(160) (170)

10 (170) 가 (PR) (A : A) (C : C)

PR) (171, 173, 175, 179) (173) (B : B) (175) 가 B 1/2

) , A ,

(slit),

가 가

가 가

11a 11b (PR) C (170),

(160), (151, 154, 159) A A

(151, 154, 159)

A (171,

173, 175, 179), (161, 163, 165, 169) (ashing) A (175)

(171, 179), (173),

20~80

12a 12b (171, 173, 175)

(180)

(180) (180)

(220) (220)

13a 13b (180) (175)

1 (181), (121, 125) (125) (171, 179) (179)

2 3 (182, 183)

8a 8b (180) ITO, IZO

1 (181) (175) (190), 2 3 (182, 183)

(125, 179) (95, 97)

[3]

14 3

3 1 2 (230R), (230G), (220) 가 (1

90) (180)

1 2 (200) 3 (210) (210)

) (270)

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(57)

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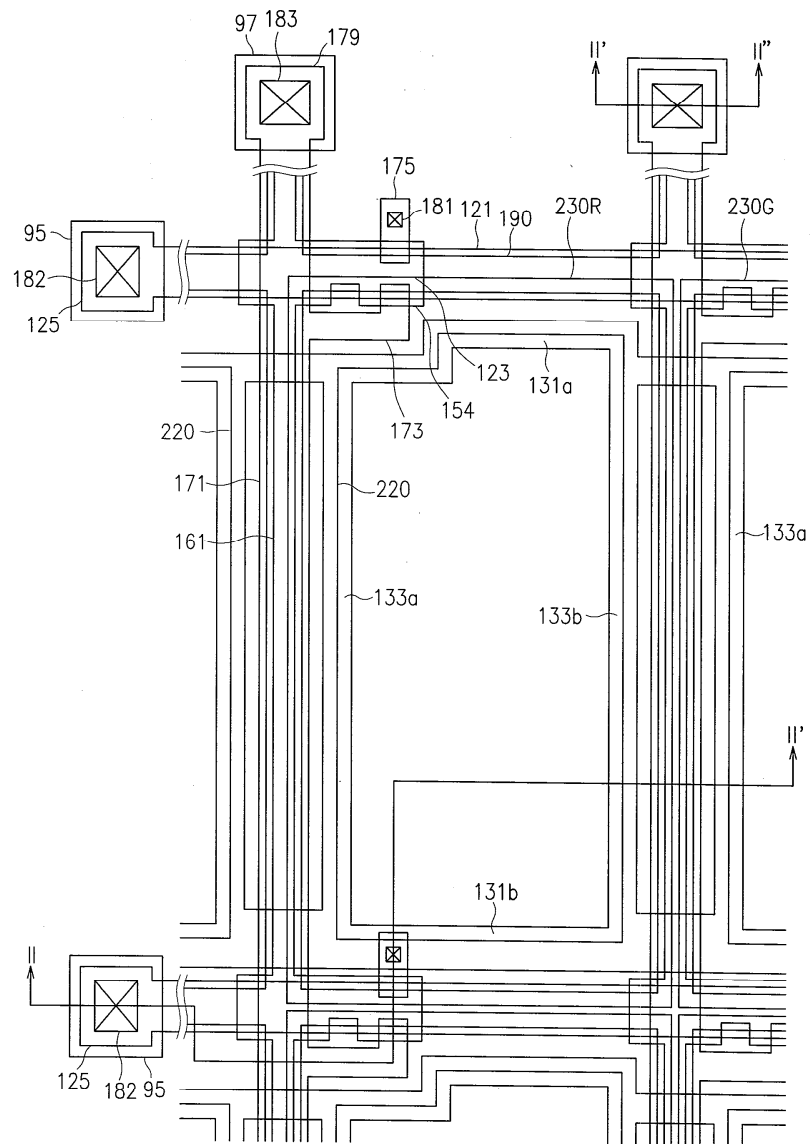
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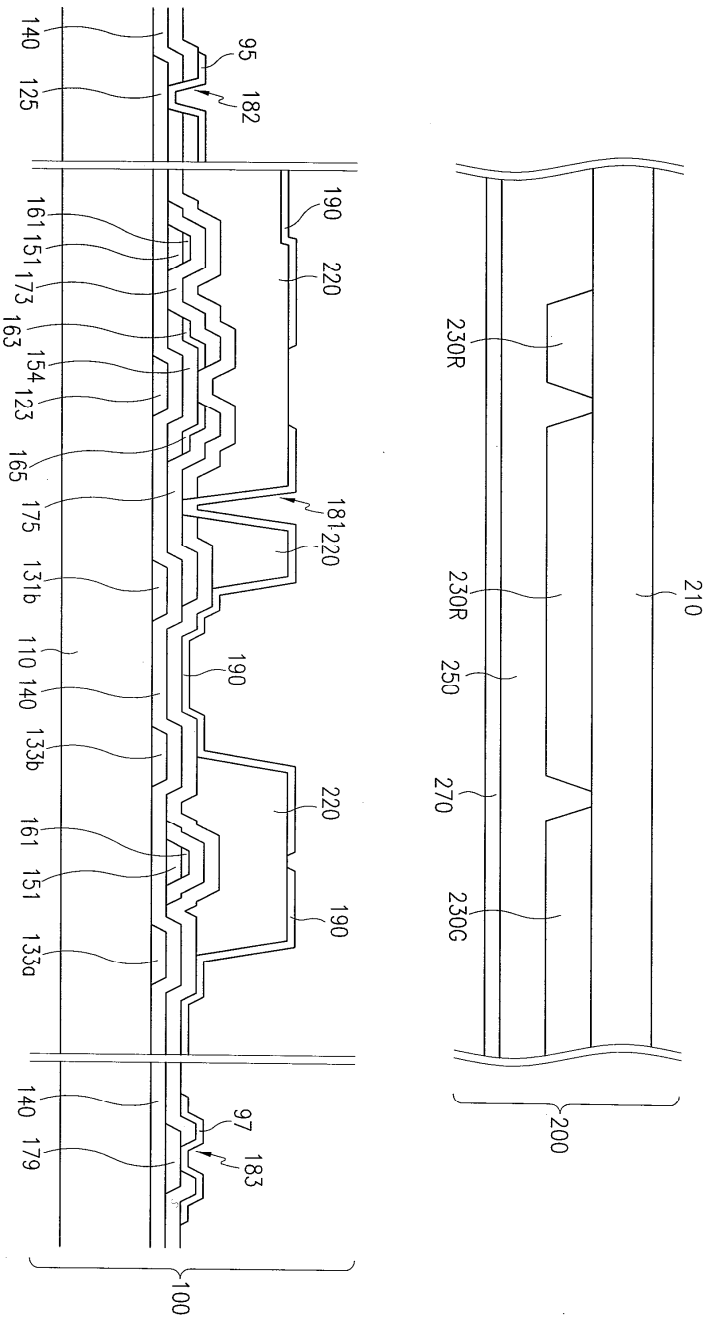
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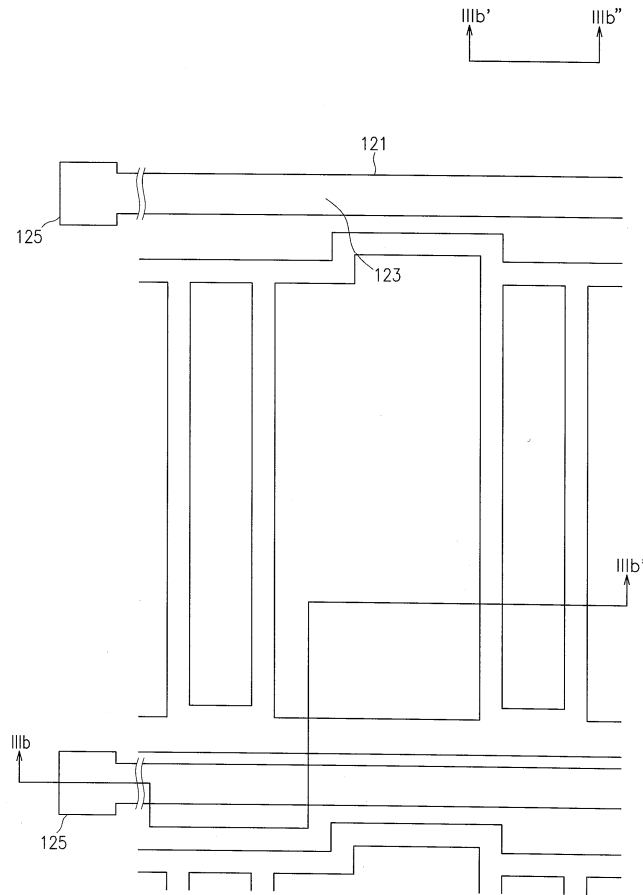
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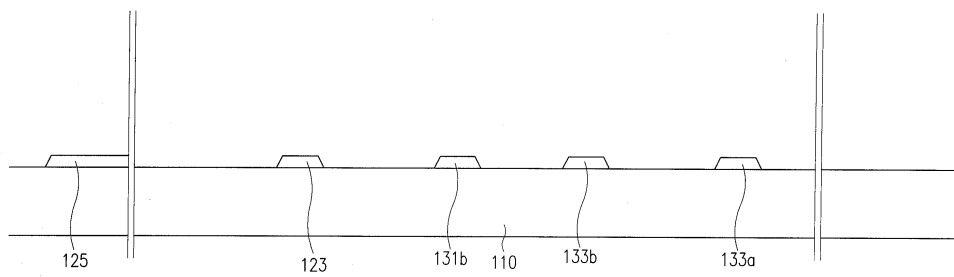
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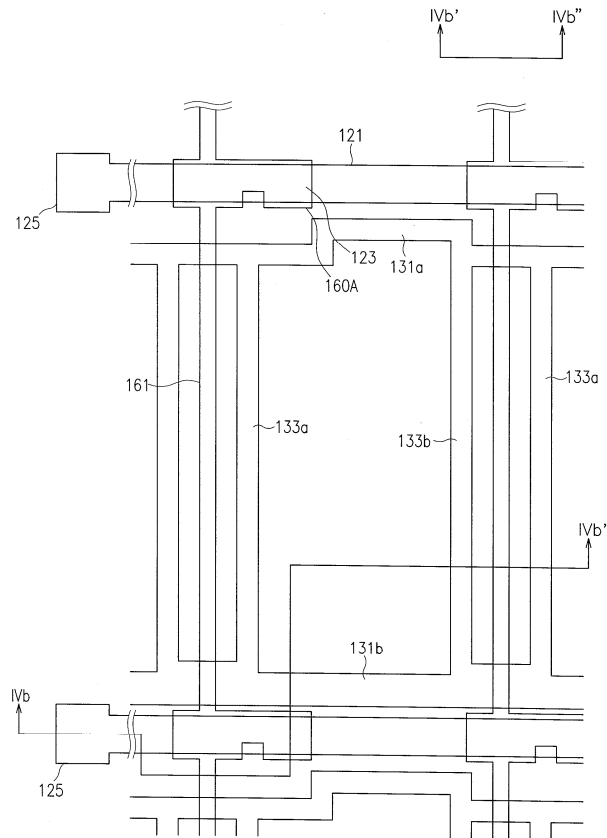
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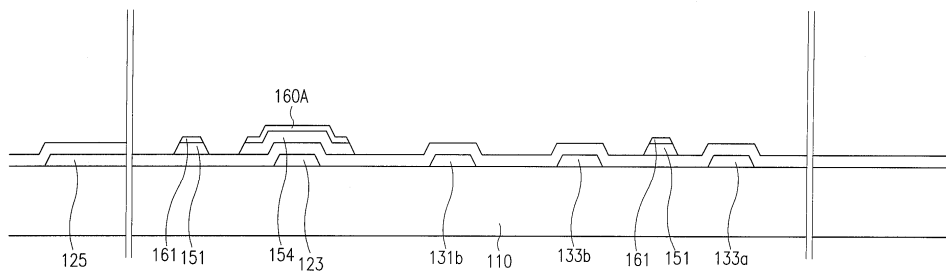
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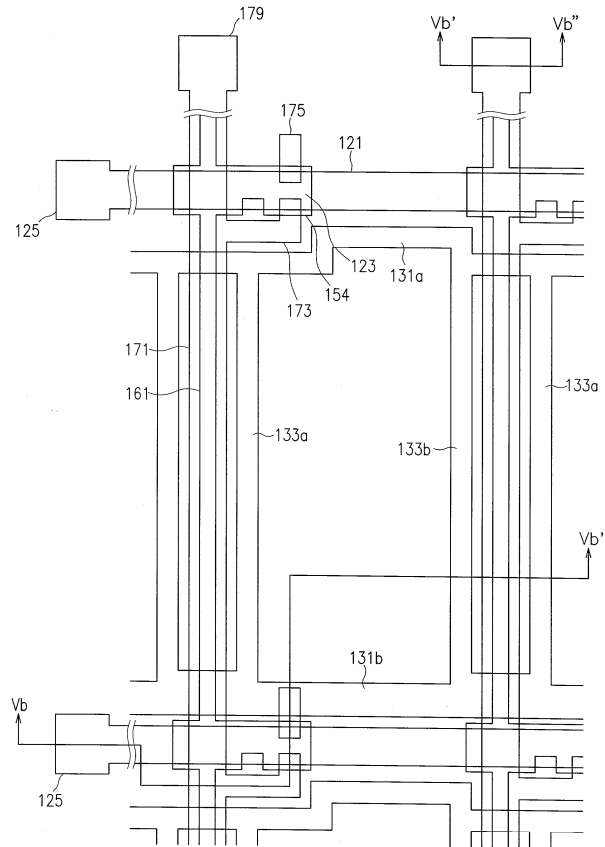
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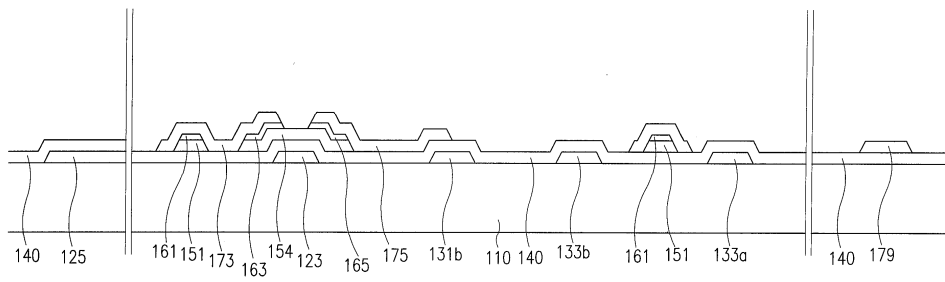
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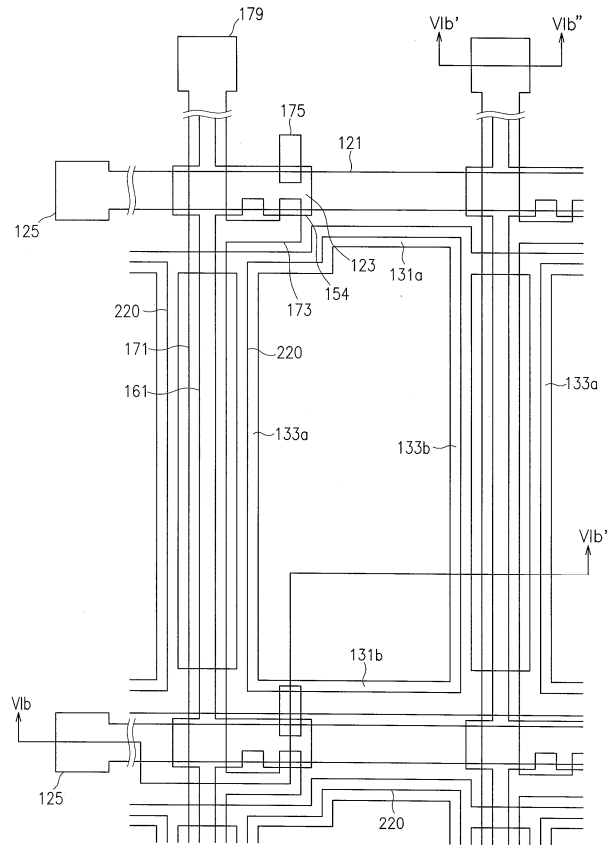
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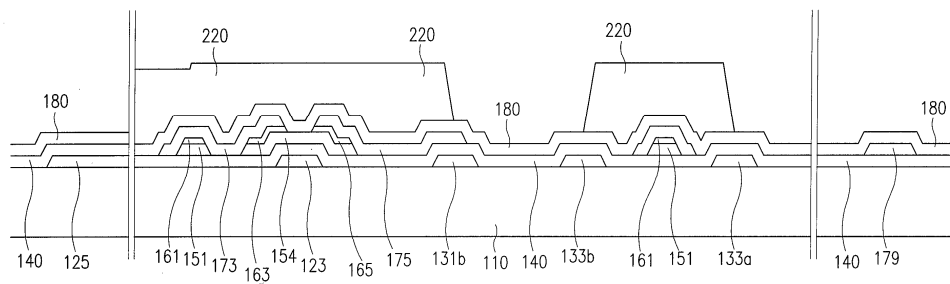
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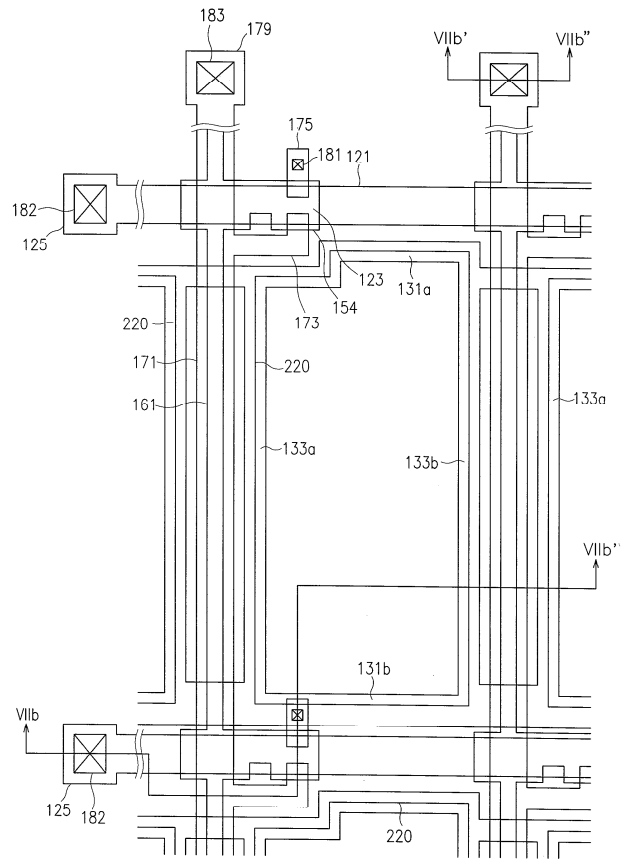
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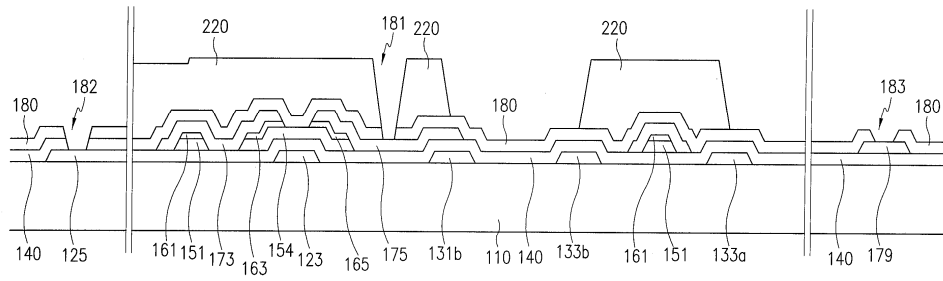
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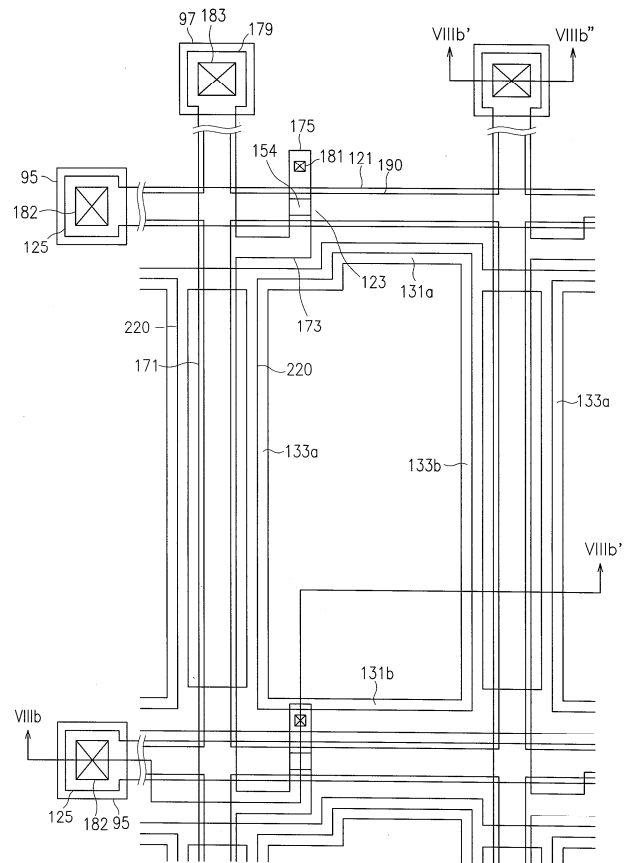
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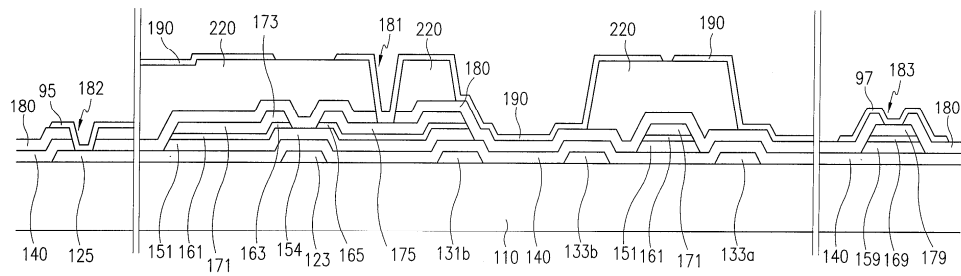
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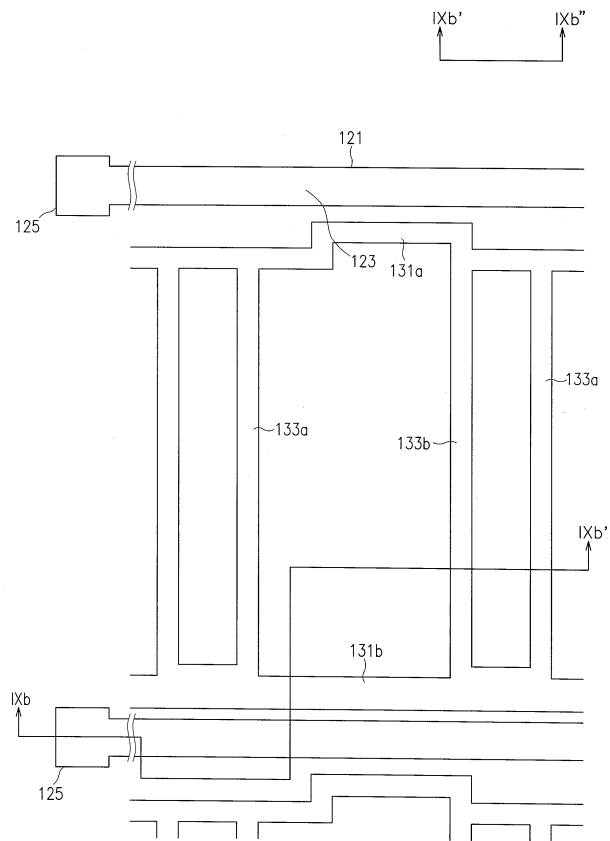
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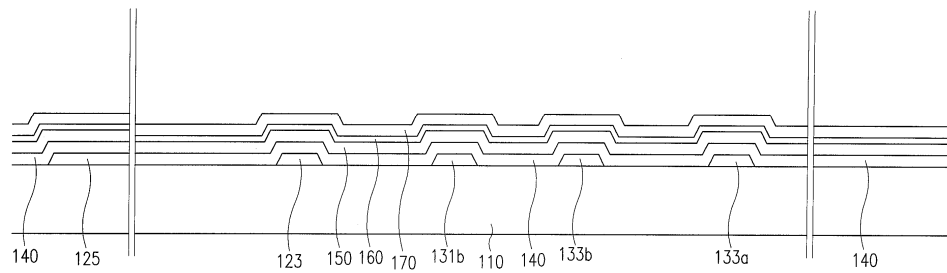
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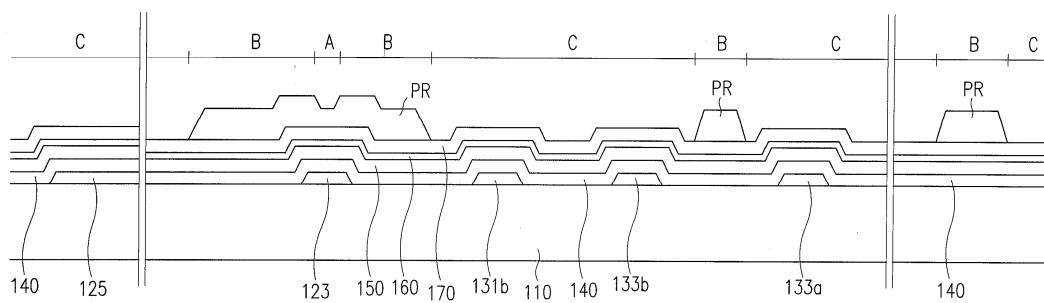
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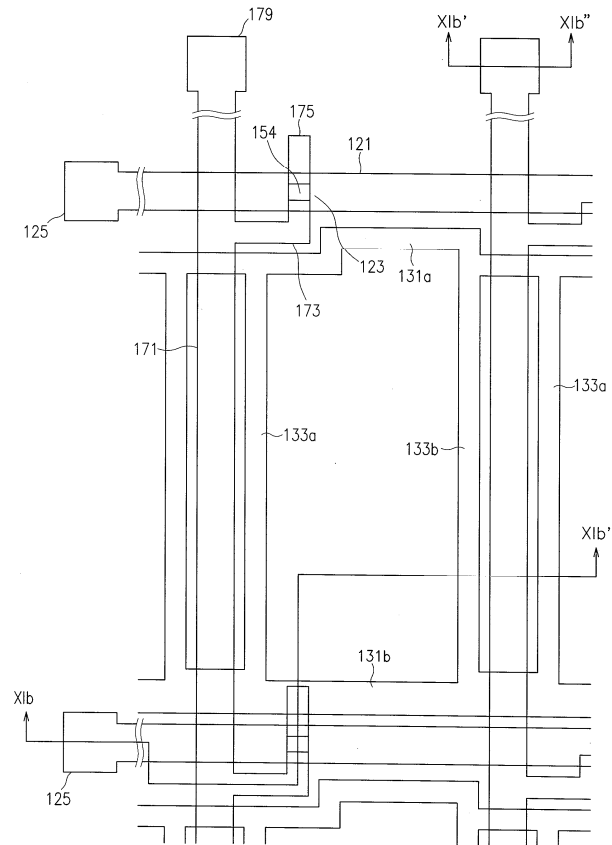
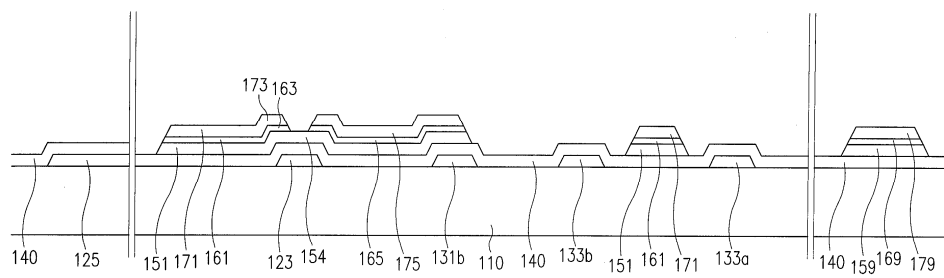


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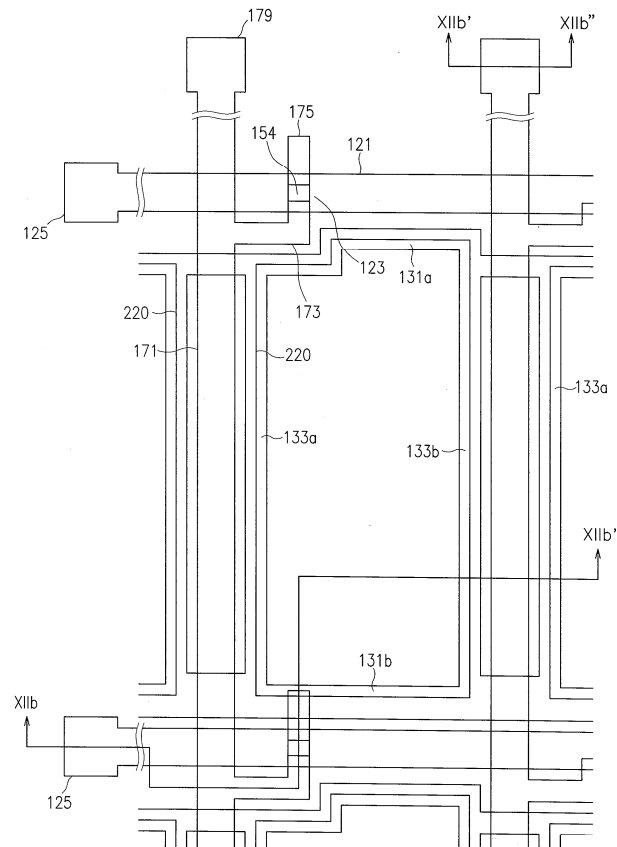


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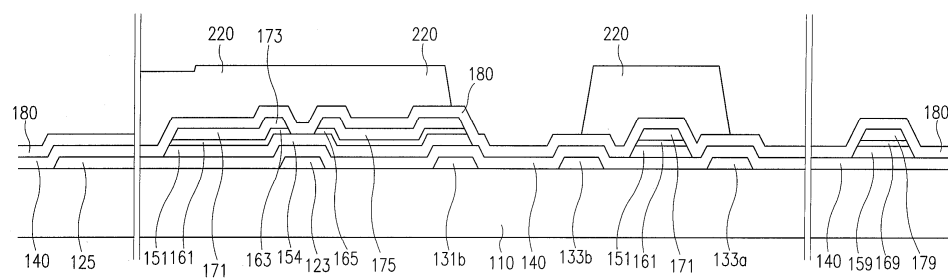


11a**11b**

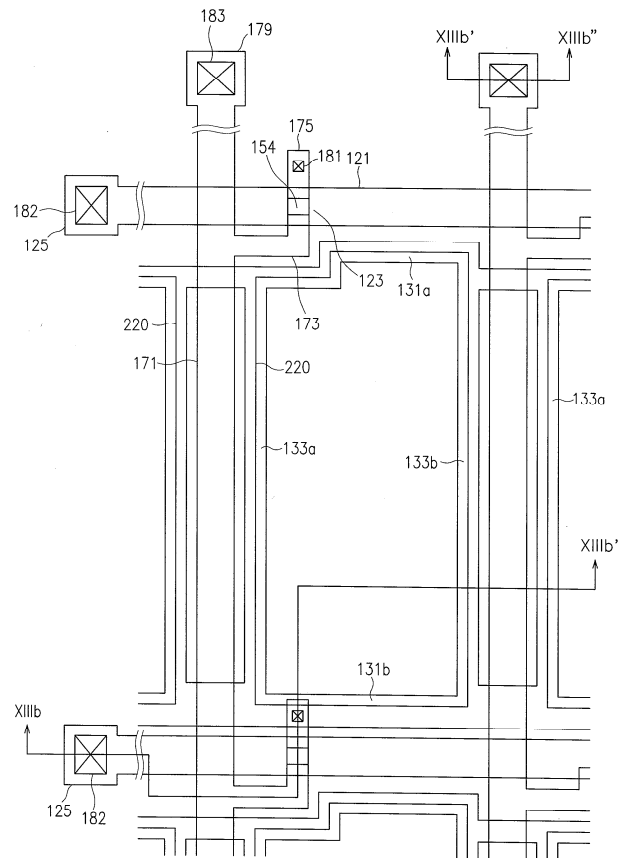
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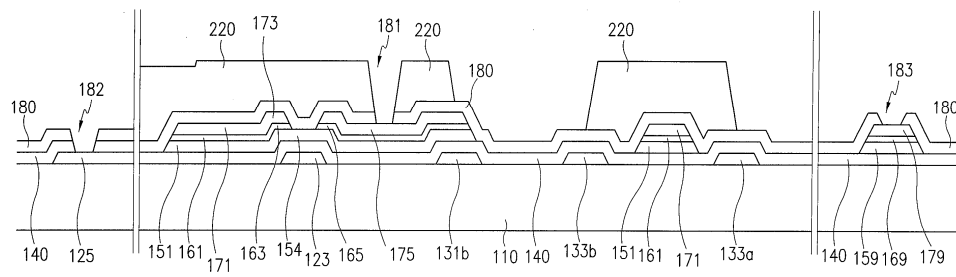
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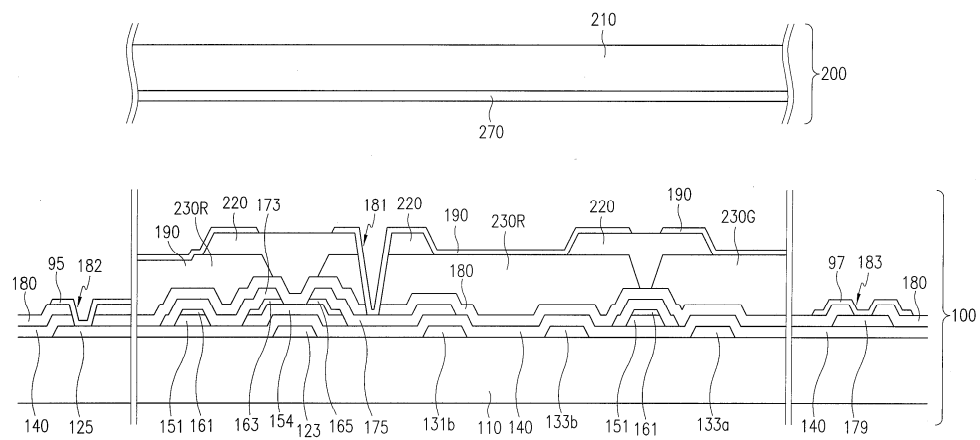
13a



13b



14



专利名称(译)	液晶显示装置，用于其的薄膜晶体管显示板		
公开(公告)号	KR1020040091923A	公开(公告)日	2004-11-03
申请号	KR1020030025691	申请日	2003-04-23
[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
当前申请(专利权)人(译)	三星电子有限公司		
[标]发明人	AHN BYEONGJAE		
发明人	AHN,BYEONGJAE		
IPC分类号	G02F1/136		
其他公开文献	KR100940568B1		
外部链接	Espacenet		

摘要(译)

根据本发明的薄膜晶体管是一种绝缘性基板，绝缘栅线和维持，这是在衬底电极线形成的，形成在栅极绝缘膜，上述形成的栅极绝缘膜与栅线半导体层，形成在栅绝缘膜上方并与栅线交叉并中，至少一些所述数据线的，并与所述半导体层，单独的数据线和至少一部分接触覆盖有所述漏电极，所述半导体层或在与该半导体层，保护膜接触的数据线，形成在具有接触孔暴露漏电极保护膜具有像素电极，在由栅极线和数据线包围的像素区域中的开口是通过连接到所述漏电极可以是限定所述开口包括黑矩阵，其被保持电极线或数据线或重叠的栅极线的一部分的接触孔。2 指数方面 有机黑色矩阵薄膜晶体管

