

3a		1			
,					
3b	3a		b- b'		,
4a	3a				,
4b	4a		b- b'		,
5a	4a				,
5b	5a		b- b'		,
6a	5a				,
6b	6a		b- b'		,
7		1			,
8		2			,
9	8		- '		,
10a		2			
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10b	10a		b- b'		,
11a	10a				,
11b	11a		b- b'		,
12a	11a				,
12b	12a		b- b'		,
13a	12a				,
13b	13a		b- b'		,
14		2			,
15		3			,
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(10) 가 (22), (22) (24)
(22, 24)
(22, 24), 1500 3500 가 (22, 24)
(10) 2500 4000 (30) (22, 24)
(30) 800 1500 (42)
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500 800 (55, 56)
(30) (22) (62),
(62) (55) (65), (65)
(56) (66) (62, 65, 66)
(62, 65, 66)
1500 3500 (62, 65, 66)
(30) (70) (62, 65, 66)
(42)
(70) (66) (72) (70) (30)
(22, 24), (62, 65, 66) (42) (10)
(82) (, ')
(P)가
(70) (72) (66) (82) (, ') (82) (, ')
82) ITO IZO (10) 500 1500 (10)
(P) (10) (82)
(10) (, ') (10)
(82)
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, 3a 3b (10)
(22) (24) (22, 24)
, 4a 4b (22, 24)
(30)
, (30) (52) (42)
, 5a 5b (52) (42)
(62), (65)
(66) (62, 65, 66)
, (65) (66) (52) (, ')
55, 56)

, 6a 6b (70) (62, 65, 66)

(70) (30) (66) (72)
 (22, 24), (62, 65, 66) (42)
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) (72) (66) (P) (82)
 10) (72) (66) (P) (82)

(82) (30) (70)

(30, 70)

, 7 (82) (30) (22, 24), (30)
 7 (42) (P) (10) (P)가 (62, 65, 66)
 (70) (82) (70) (72) (66)
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4a 4b (10) (22, 24), (42)
 (52) (70) (30) (P) (62, 65, 66) (70)
 (82) (66) (72) (70) (66)
 (70) (82) (30) (P)

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(100) (S) (D) (110) (110) (C) 가

(10) (110) (1)

20) (120) 가 (132), (132) (134)
 (132, 134) (134) (110) (C)

(132, 134) (132, 134)

(120) (132, 134)

(140)

(140) 2 (120) (155) 1 (145) (156)
 (146)

(140) (155) (155) 1 (145) (132) (156) (152), (152)
 (146) (D) (S) , (152, 155, 156) (156) 2
 (152, 155, 156) (152, 155, 156)
 (140) (152, 155, 156) (160)
 (160) (156) 3 (166) (160),
 (140) (120) (132, 134), (152, 155, 156) (110)
 (100) (P)가
 (160) 3 (166) (156) (172)
 (172) ITO IZO , (P) (100)
 (100) () (10)
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 , 10a 10b (100)
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 , 11a 11b (100) (110)
 (120)
 , (120)
 (132) (134) (132, 134) (134)
 (110)
 , (132, 134) (110) (110)
 (134) (110) (S) (D)
 (134) (110) (C)
 , 12a 12b (120) (132, 134)
 (140)
 , (140) (120) (110) (S)
 (C) 1 2 (145, 146)
 , 1 2 (145, 146) (132) (152), 1 2 (145, 146)
 (S, D) (155, 156) (152, 155, 156)
 , 13a 13b (140) (152, 155, 156)
 (160)
 , (160), (140) (120) (156)
 3 (166) (132, 134), (152, 155, 156) (110)

(160), (100) (P) (160), (P) (140) 3 (166) (120)

3 (160) (120, 140, 160)

8 9 3 (166) (P)가 ITO IZO (166)

(156) (P) (100) 3 (172)

(82) (120), (140)

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) (132, 134), 14 (152, 155, 156) (110) (120) (140) (100)

(P)가 (P) (160) (160) 3

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(160)

12a 12b (10) (110), (120), (132, 134) (140) (140) (120)

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6) (160) (160) (156) 3 (166) (172)

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(L) (30) (70) (P) (30,

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, 16 (22, 24) (30), (40)
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 (52) (30) , 4b (30) (42)
 , (L) (30)
 , (L) (70) (66)
 (72)
 19 (62, 65, 66) (42) (70)
 (70) 가 (PR1, PR2)
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 21 4 , 8 -
 ,
 (L) (120, 140, 160) (120), (140) (160) (P)
 , (L)

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(140) (160) (L) (140, 160)
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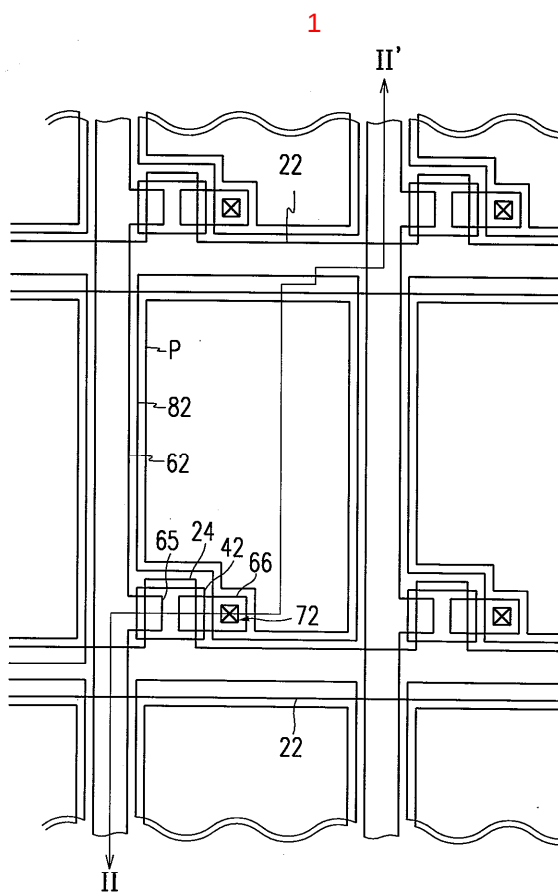
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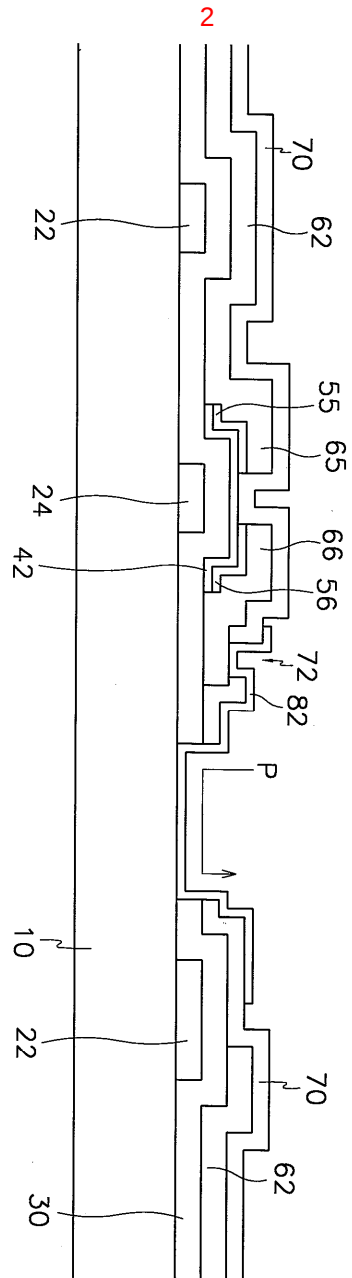
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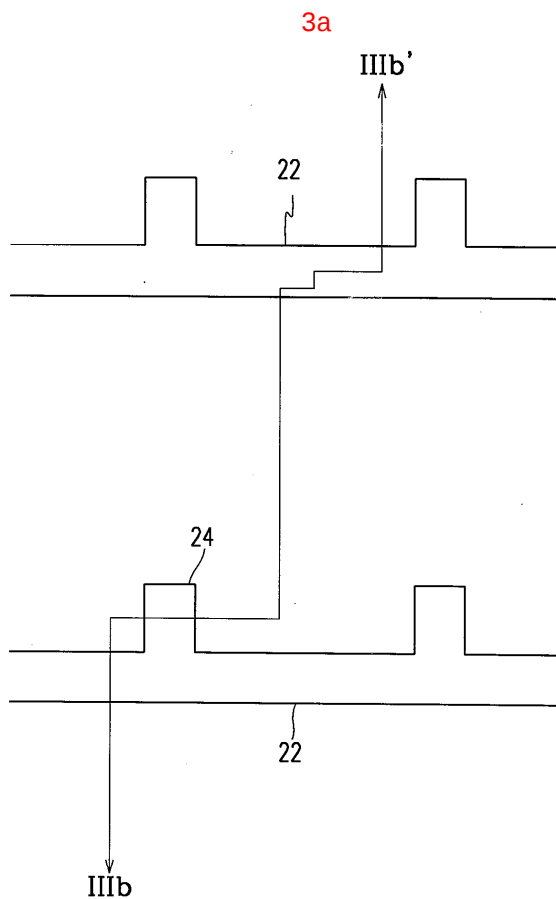
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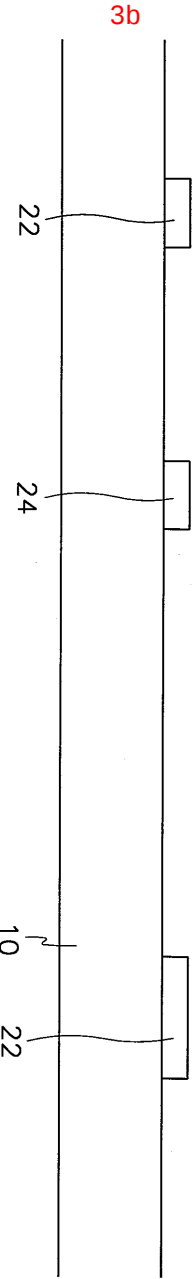
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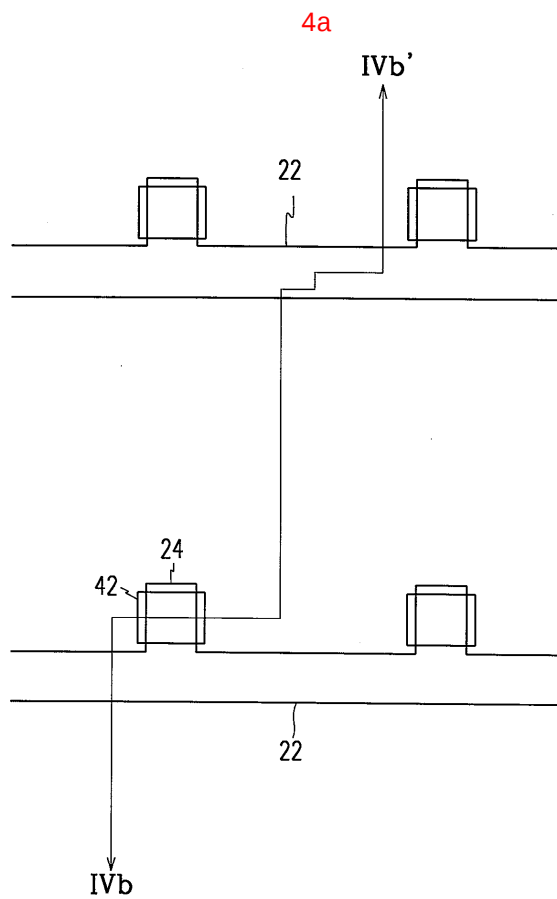
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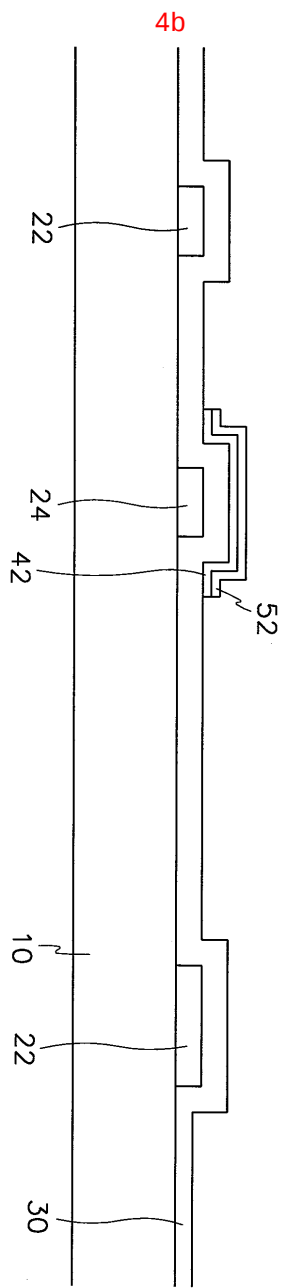


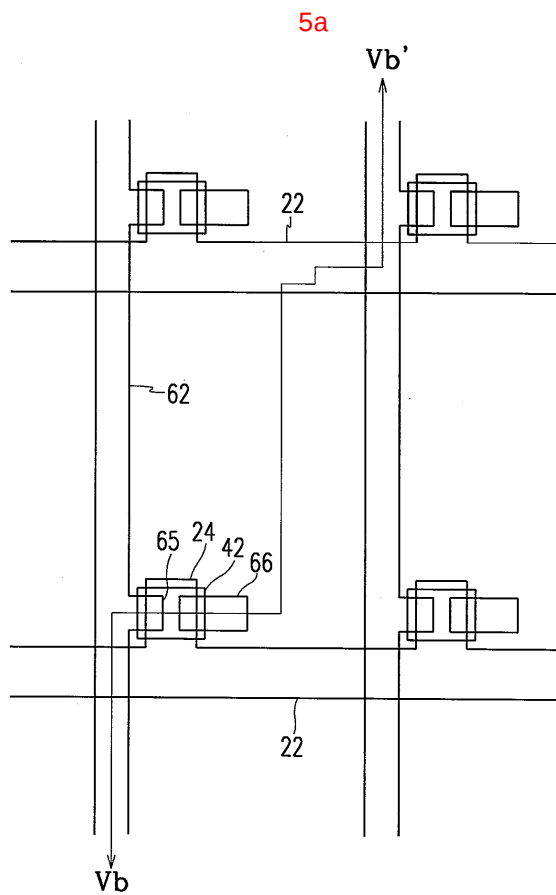


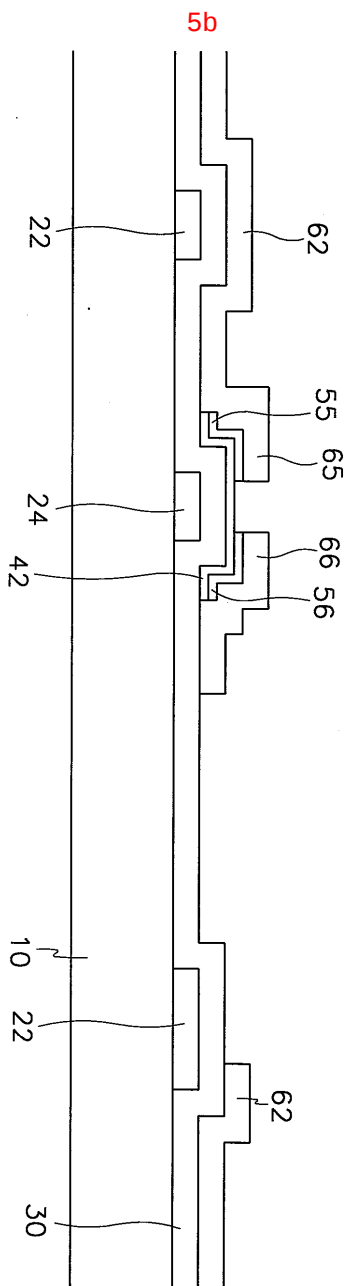


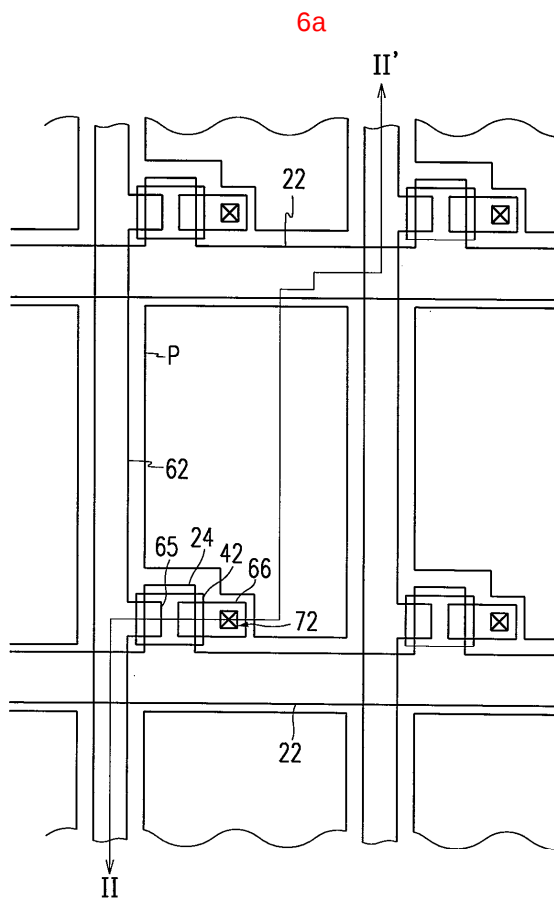


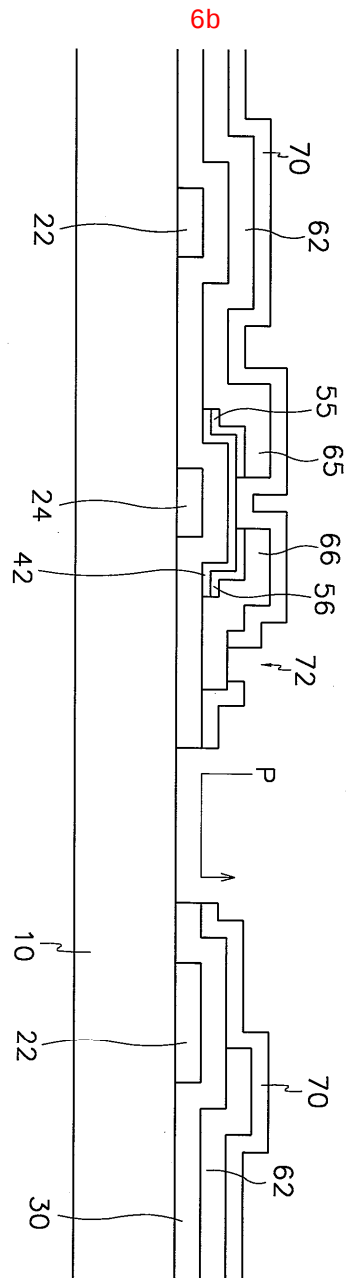


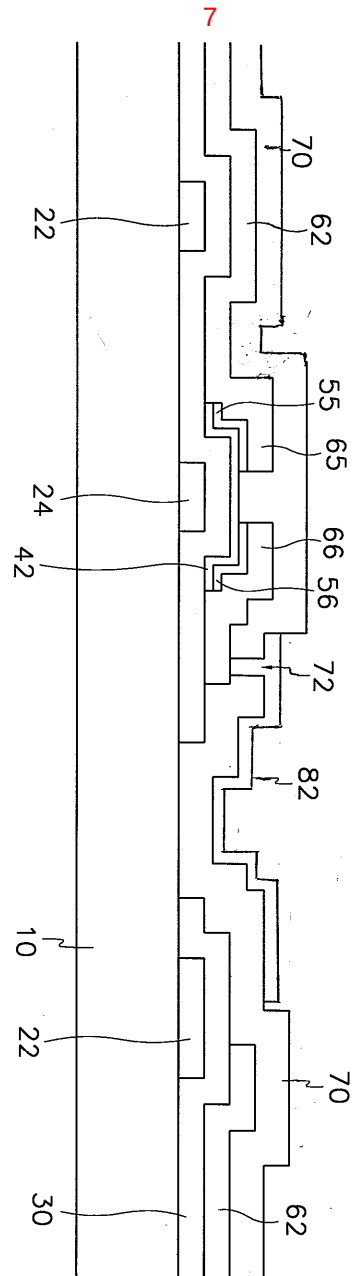


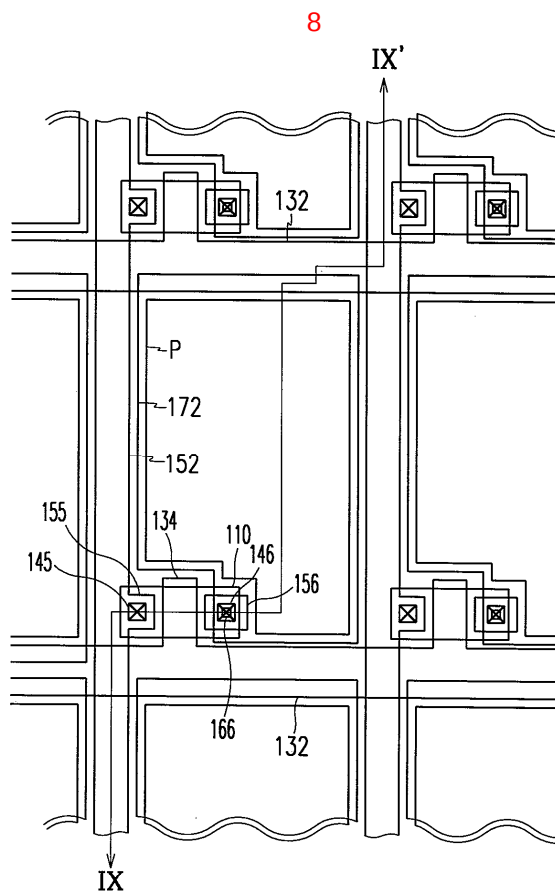


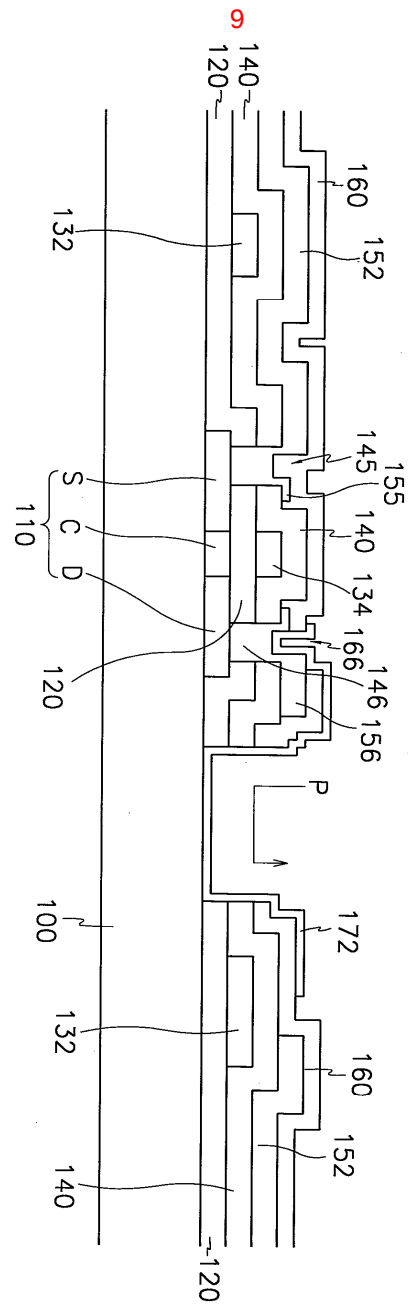


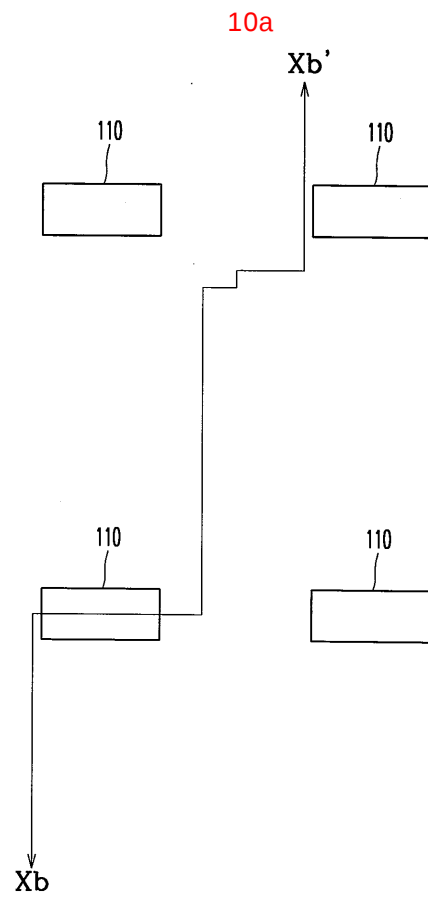




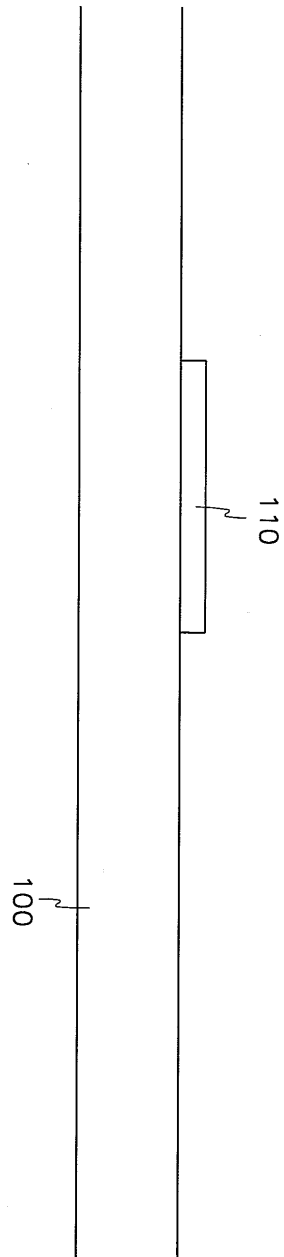


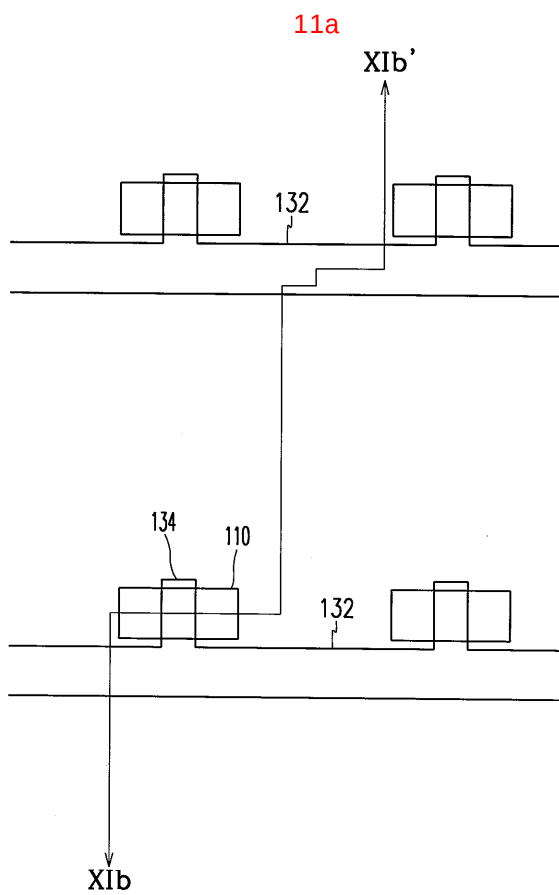


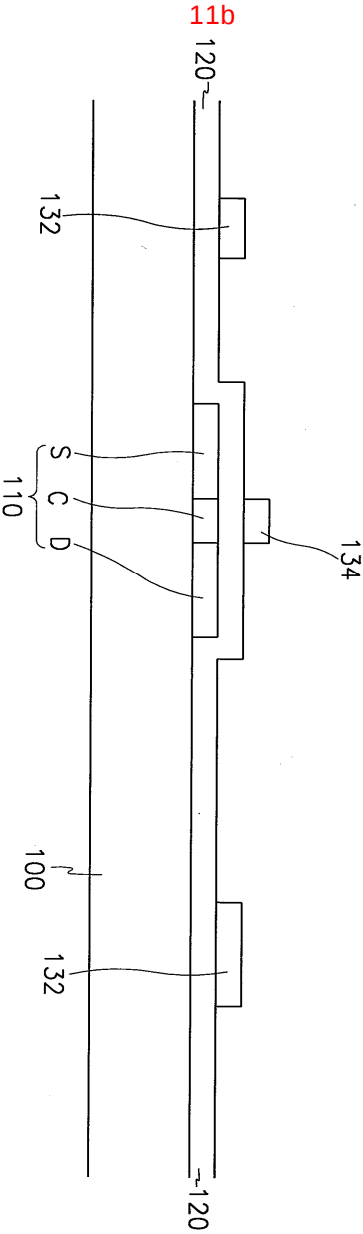


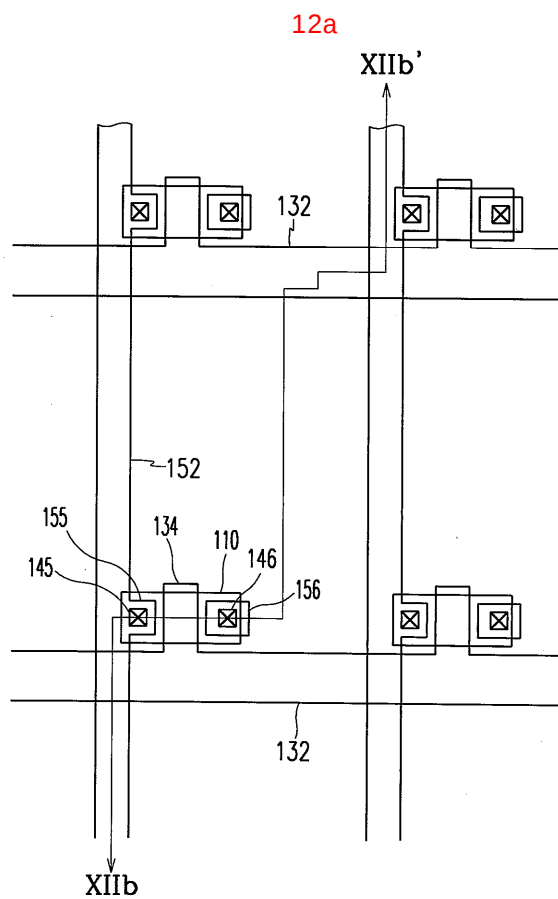


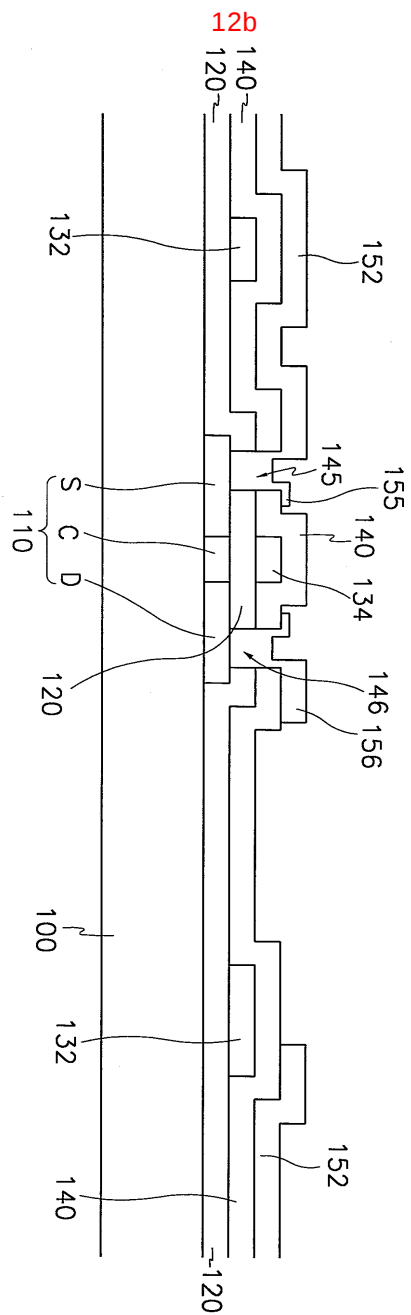
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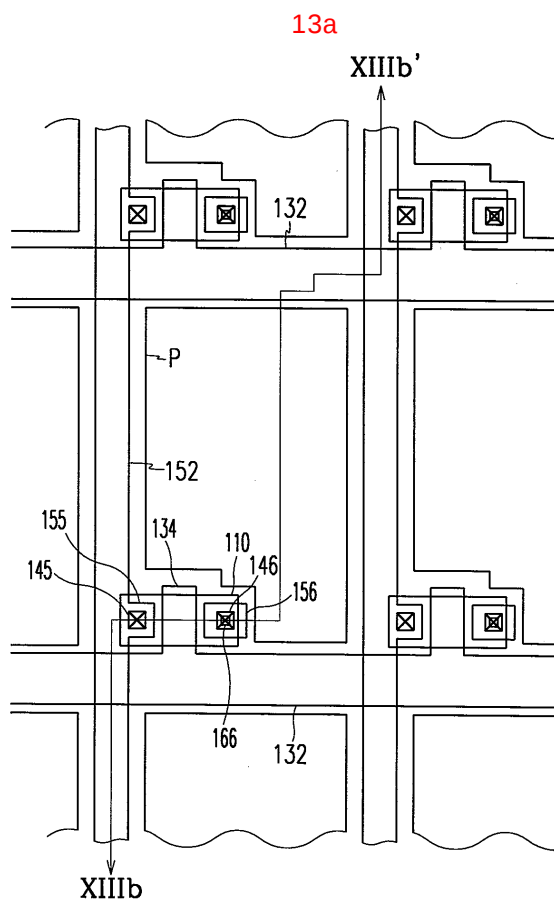


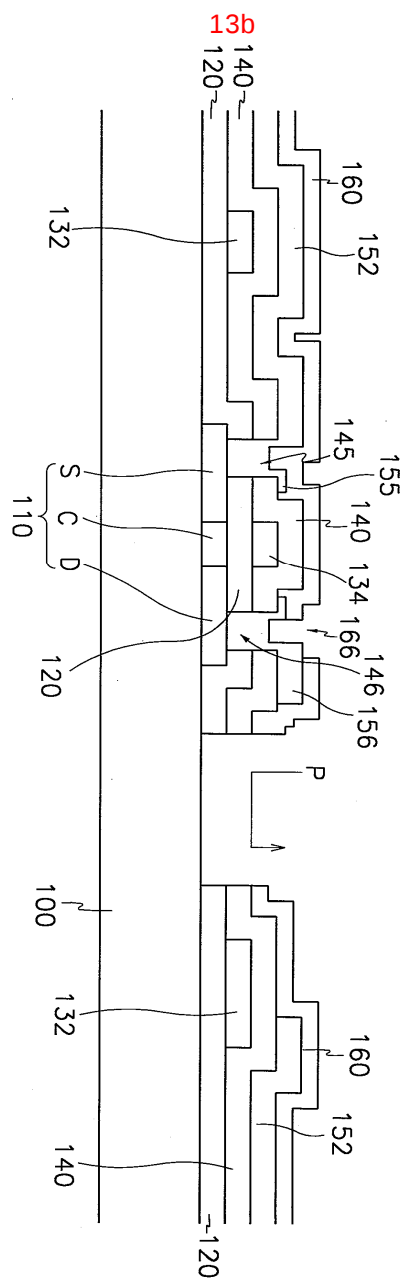


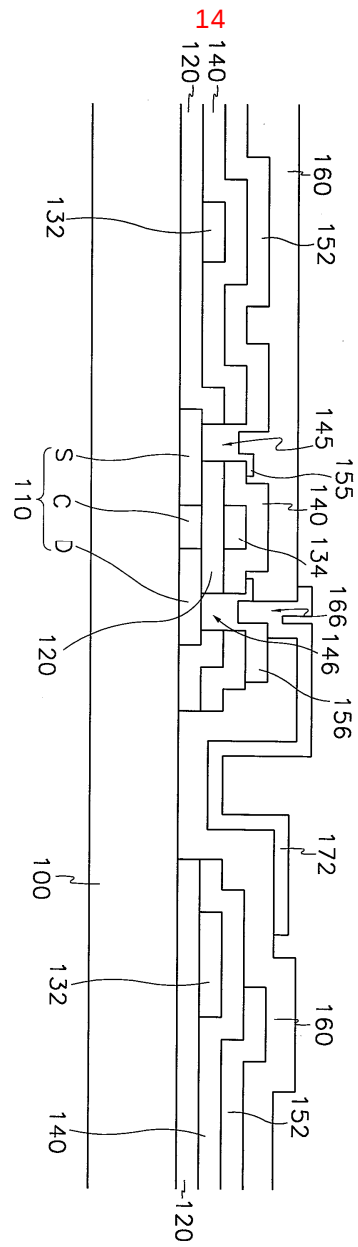


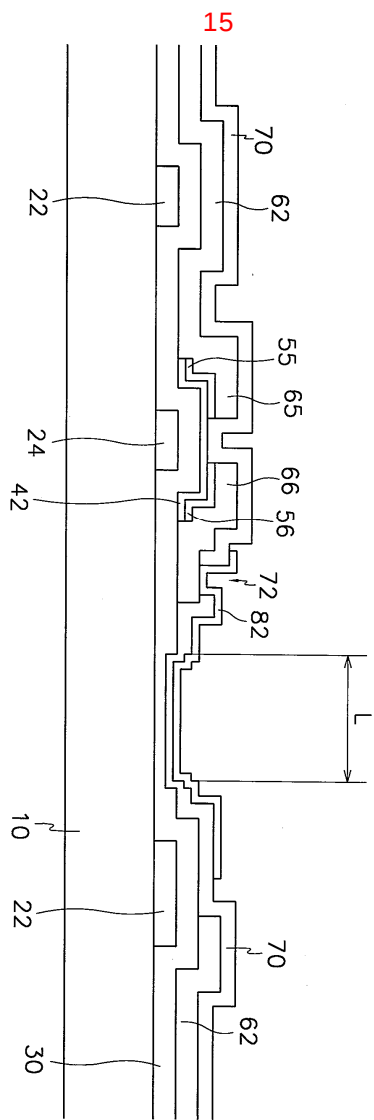


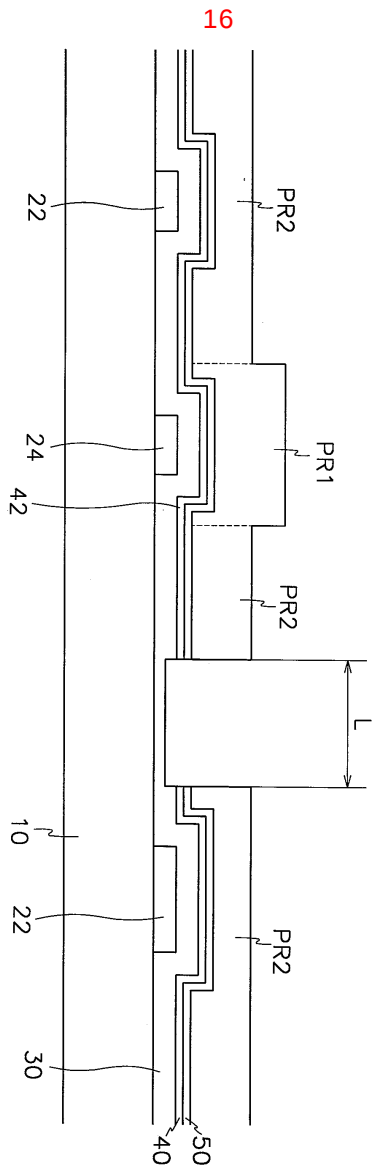


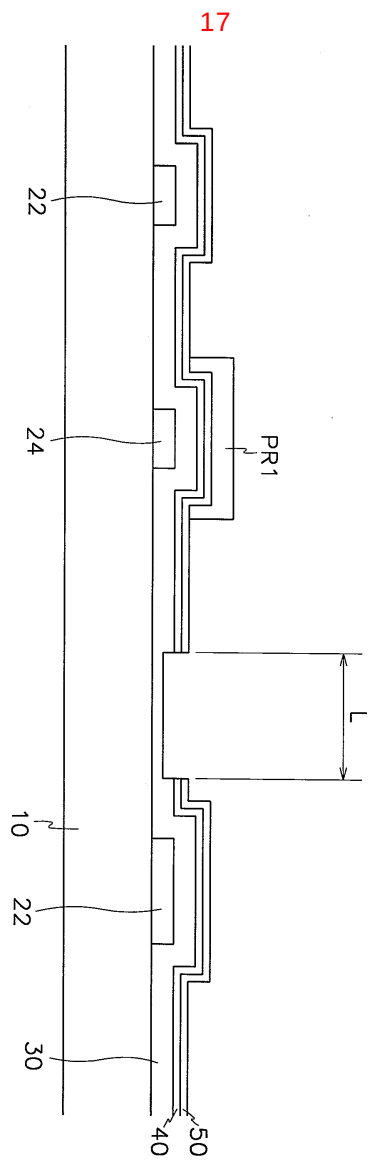


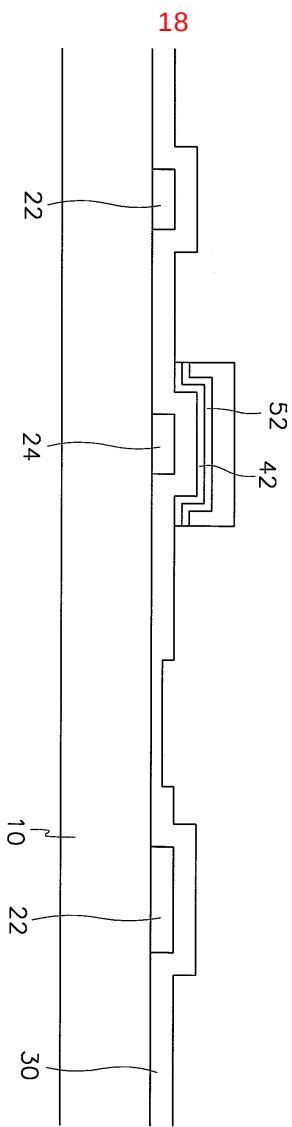


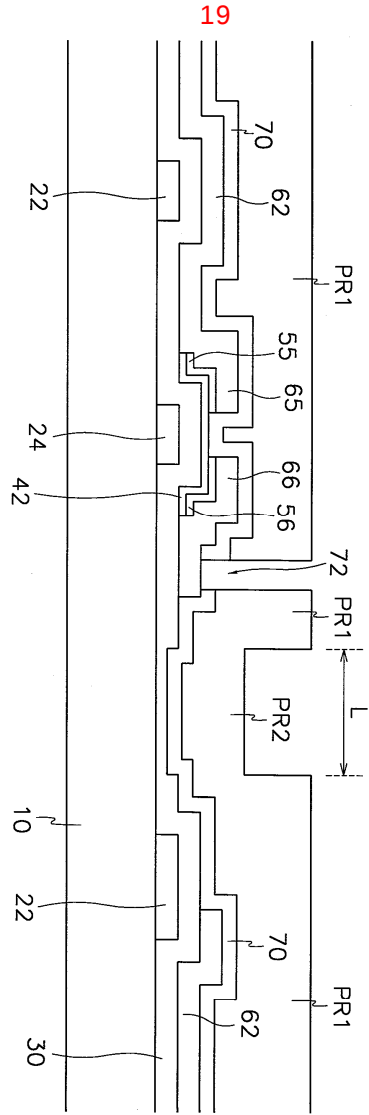


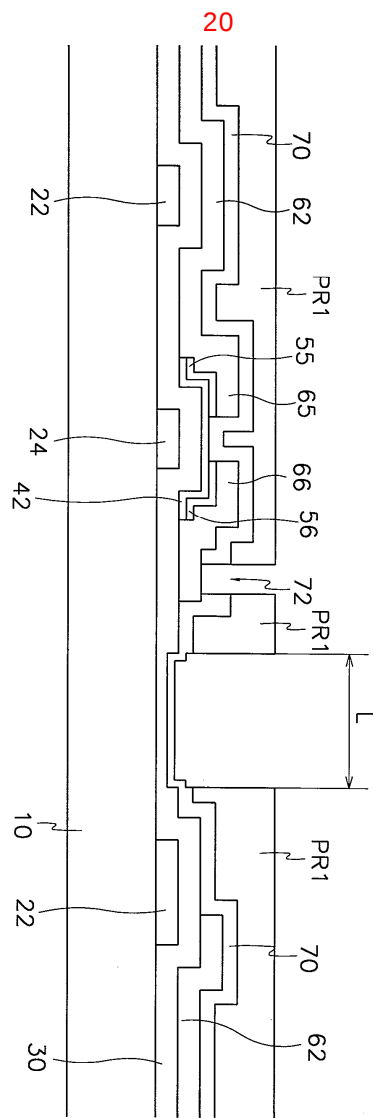


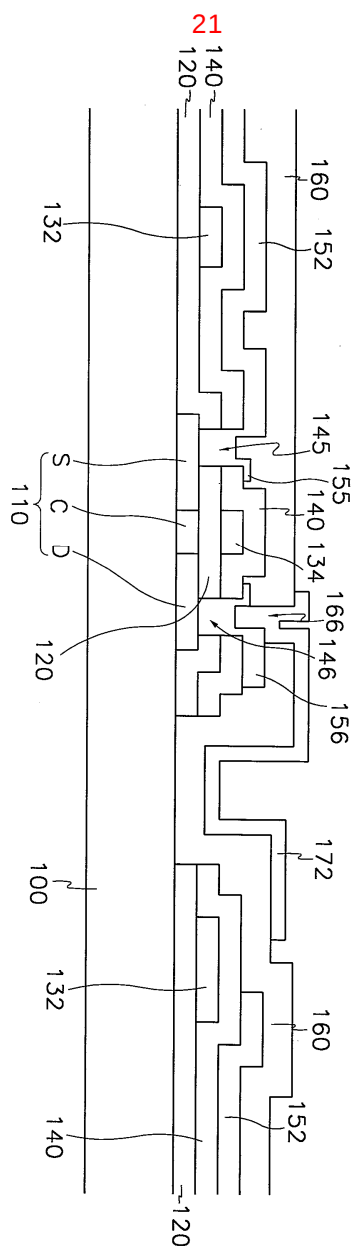












专利名称(译)	用于液晶显示装置的基板及其制造方法		
公开(公告)号	KR1020030045400A	公开(公告)日	2003-06-11
申请号	KR1020010076112	申请日	2001-12-04
[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
当前申请(专利权)人(译)	三星电子有限公司		
[标]发明人	PARK TAEHYEONG 박태형 KIM HYUNJAE 김현재		
发明人	박태형 김현재		
IPC分类号	G02F1/136		
外部链接	Espacenet		

摘要(译)

液晶显示装置用基板及其制造方法技术领域本发明涉及液晶显示装置用基板及其制造方法，为了提高亮度，除去位于像素电极下方的绝缘膜部分或减小其厚度。对于根据本发明的液晶显示装置的基板，栅极布线上形成包括栅极线和衬底上的栅极电极，和覆盖所述栅极线的栅极绝缘膜，形成栅极绝缘膜在半导体图案。在栅极绝缘膜上形成数据线，包括与栅极线交叉的数据线，连接到数据线并电连接到半导体图案的源极电极，以及电连接到对应于源极电极的半导体图案的漏极电极那里。保护膜覆盖这些数据布线和半导体图案，并且在保护膜中形成接触孔以暴露漏电极。像素电极通过接触孔连接到漏电极。保护膜和栅极绝缘膜中的至少一个具有开口部分，该开口部分与像素电极重叠。1 指数方面 用于液晶显示器的基板，透射率，亮度，绝缘膜，开口

