

(19)
(12)

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(A)

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(71)

.

20

(72)

221

7/1

109 1302

(74)

:

(54)

3

1 .

2 1 .

3 .

4 3 .

5 3 .

6

7

< >

2,102 : 4,104 :

6,106 : 8,108 :

10,110 : 12,112 :

PC, / (Thin Film Transistor : 'TFT')가

(Active Matrix) (Picture Element Matrix Pixel Matrix)

1

1

$$(4) \quad \begin{aligned} & \text{가} \quad \text{가} \quad (45) \quad \text{가} \quad \text{가} \quad (35) \\ & (\quad) \quad , \end{aligned}$$
[illegible]

(4) (10) (12)가 .

$$\begin{array}{ccccccc} (10) & & (& &) & & (33) \\ (35) & & & & (10) & & (35) \\ & & (35) & & & & (10) \end{array}$$
$$\begin{array}{ccccc} (12) & & (&) & (43) \\ (45) & . & (43) & (12) & (45) \\ & (45) & . & & (12) \end{array}$$

가 가 (35) (45)
 가 (10,12) (33,43)
 가 (10,12) (33,43)
 가 (33,43) (33,43) 가 (33,43)
 가 (33,43) (LKc)가 가 (33,43)가
 가 가 (33,43) (Pad Pitch)가 (33,43) (Pad Pitch)가
 (33,43) (33,43) (short) (O
 pen) (A)

가

가

가

가

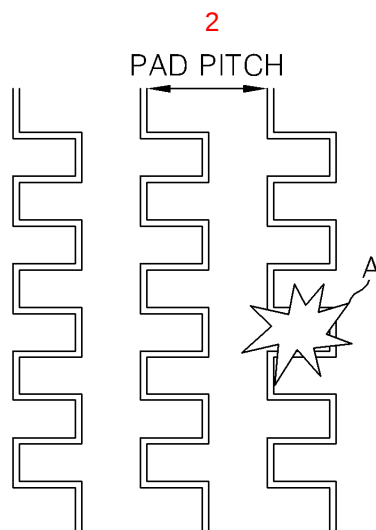
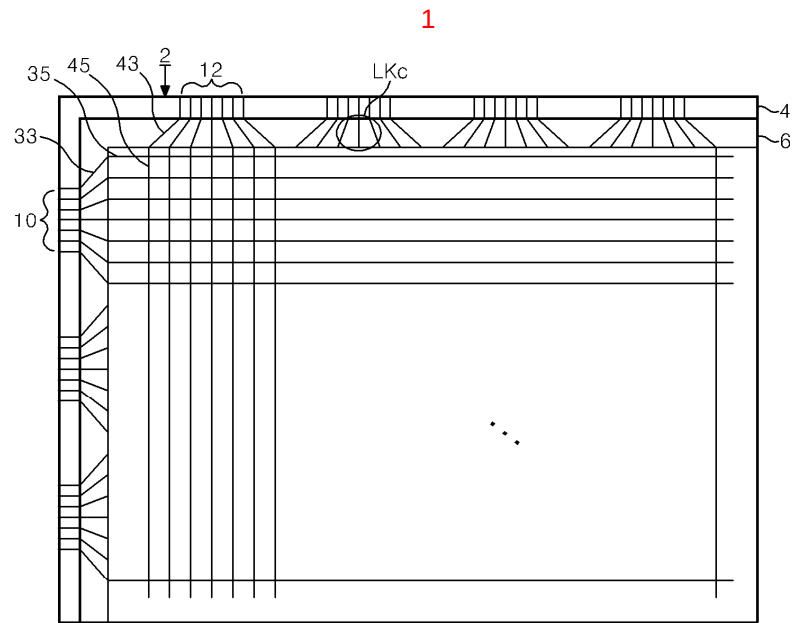
, 3 7
 3
 3 ,
 가 (135) (104) 가 가 (145) 가
 () ,
 (106) / (106,104)
 (135) (110) , (145) (112)가
 (110) () (85)
 (85) (135)
 (85) 4 (133) , (133) (67)
 (27) (28) (83) (85) (83)
 (83) (69)
 (133) ()
 (133) (133) (83)
 (83) (133) (133) (repair)가 (133) 6
 (83) (133) (83)
 (112) () (75)
 (143) (145)
 (75) 5 (143) , (143) (67)
 (27) (28) (73) (143) (75) (143)
 (69)
 (143) ()
 (143) (143) (73)
 (73) (143) (143) (repair)가 (143) 7
 (143) (143) (73) (143)가
 (85) (75) 4 5
 (Cr), (Mo), (73) (133)가

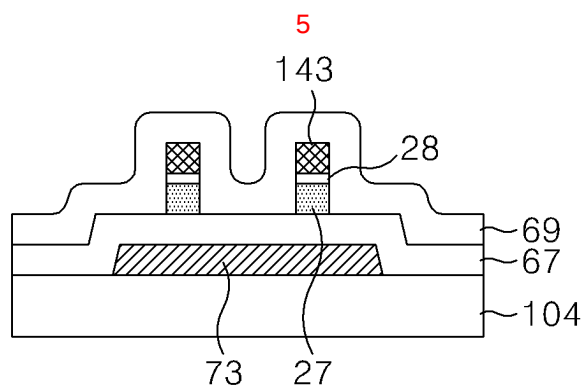
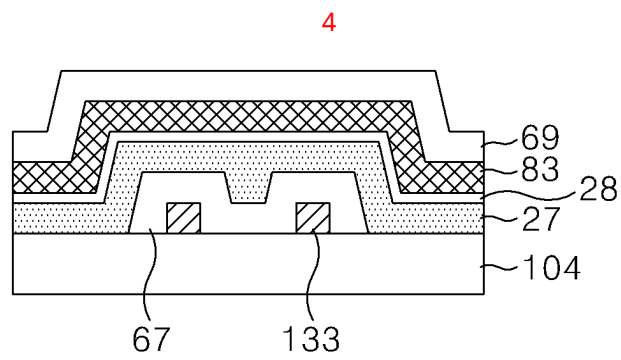
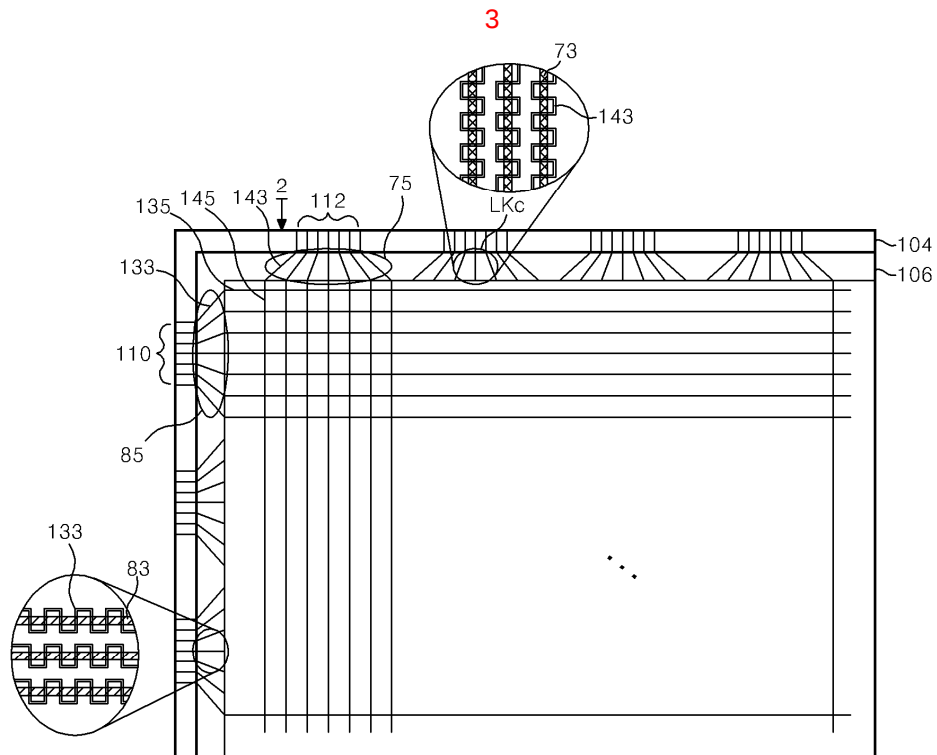
(67) (73) (GLK)가 (67) .
(67) (SiOx) (SiNx) .
(67) , n+ , /
(143) (83) / (Mo), , ,
(Mo alloy) .
(73,83) (133,143) (133,143)
(73,83) (133,143)
가

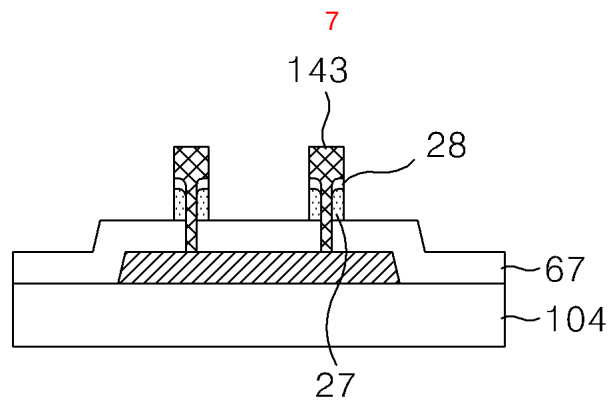
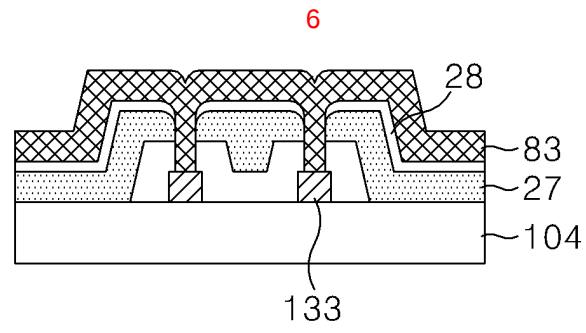
(57)

1. ;
 ;
 ;
 ;
 .
2. 1 ,
 .
3. 1 ,
 .
4. 3 ,
 가
5. 1 ,
 .
- 6.

- 1, .
7. 6, .
- 가 .
8. 1, .
- 가 .
9. , , .
10. 9, .
11. 9, .
12. 9, .
- 가 .
13. 9, .
14. 9, .







专利名称(译)	液晶显示元件及其制造方法		
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摘要(译)

液晶显示元件及其制造方法技术领域本发明涉及一种在打开连杆时可以容易地修复的液晶显示元件及其制造方法。本发明提供一种信号线，包括：信号线;信号焊盘，连接信号焊盘和信号线，并根据信号焊盘的连接位置形成交错形状;并且形成修复图案以便与信号链路交叉信号链路并且绝缘膜插入其间并通过修复光束连接到信号链路。 3

