

(19)
(12)

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(11)
(24)

2003 05 01
10-0382456
2003 04 18

(21)10-2000-0023332(65)2001-0100378
(22)2000 05 01(43)2001 11 14

(73) .
20

(72) LG B - 703403

(74)

:

(54)

CVD

CVD

2

1
2
3a3d2A - A'
4a4d2B - B'
52
6a6d5A - A'

7a 7d 5 B-B'
 8 3
 9 8 A-A'
 20 : 21 :
 21a : 22 :
 23 : 23a,23b : /
 24 : 25 :
 26 : 27,27a,27b,27c :
 31,31a : 32,32a :
 51,51a :

(short)
 (CRT: Cathode Ray Tube)
 , CRT
 가 CRT
 (Liquid Crystal Display: LCD)가
 가
 (TFT-LCD)
 VGA(Video Graphic Array; 640 ×480)
 SVGA(800 ×600), XVGa(1024 ×768)
 TFT-LCD 가, 가 가 , 가 가
 1
 1 (1) (1)
 (2) (1) (2)
 TFFT-LCD (5) 2 TFFT-LCD (5)가 (3,4)
 (open point) 가 (3,4)
 1 , 2 가 (3,4) , (3,4)
 (2) (6) , TFFT-LCD (5) (3)
 (2) (2) 가 가 (3)
 (3)

TFFT-LCD
 가 가 , TFFT-LCD
 가 .
 , () 가 가 , 가
 , CVD

; CVD
 ;
 ; CVD
 ; CVD
 ;
 2 1
 2 (repair) (21) 가 (21) (23)
 (21) (21) (23)
 (25) (25) (23) (27,27a) (迂回)
 (23) (25) (25)
 (27) (21) (27)
 (defect) (27) (27a)
 (25) W(), Mo(), Ni(), Cr(), (Fe)
 1
 3a 3d 4a 4d 3a 3d 2 A-A' 4a 4d B-B'
 3a 3b 4a 4b (20) (21a) (21)
 3a 4a (21) (21a) (22) (22) (24) (24) (23)
 3b 4b (21) (23a) (23b) (23a/23b) (27c) (26)
 (23b) (23) / (27c)
 3b "27"
 가
 3c 4c (21) (short) (23) (21)
 가 (31,31a) (21) (23)
 (cutting) (32,32a) (27)
 3d 4d (32,32a) (23) 1
 CVD(Laser Chemical Vapor Deposition) (25)
 (23) (25) (23) (27) (迂回)
 (23) (25) (31,31a)
 (27,27a) (25) (23) 2

, 2 3d (27,27a) (27,27a) (25) (27,27a)
 , 2 (21) (21) (27a) (defect) (27)
 , (21) (25) (27,27a) , W(), Mo(), Ni(), Cr(), (Fe)
 , 1 (21) (23) (23) (25)
) CVD
) 2 2 (25)
 5 5 (27,27a) (迂回) (23) (23) (23)
 , (25) (23) (23) (25)
) (51) (21) (23) 가
 6a 6d 7a 7d 2 5 A-A' , 7a 7d B-B'
 6a 6d 7a 6a 7d 6d
 6a 6b 7a 7b , 1
 6b 7b ,
 , 6c 7c (21) (23) (23) 가
 (31,31a) (21) (23) 가
 (32,32a) (31,31a) (51,51a) (25)
 , 6d 7d (23) CVD
 (32,32a) (23) 2
 , (25) , W(), Mo(), Ni(), Cr(), (Fe)
) 2 (25) (27,27a) (23) (27,27a)
 (23) (defect)가
 , 1 2 , 3
 가
 , 8 3 , 9 8 A-
 A' 8 9 (23) (23) (21) (21)
 (23) (21) CVD
 , (51,51a) (21)
 (25)
 , 1, 2 3 (21) (23) (21)
 (21) (25)
 , 가 가 가
 , 가 가 가
 , CVD

(57)

1.

2.

3.

4.

5.

6.

CVD

7.

6 ,

8.

6 ,

9.

6 ,

10.

9 , W(), Mo(), Ni(), Cr(), (Fe)

11.

6 ,

12.

;

CVD

13.

12 ,

14.

12 ,

15.

12 ,

16.

15 , W(), Mo(), Ni(), Cr(), (Fe)

17.

12 ,

18.

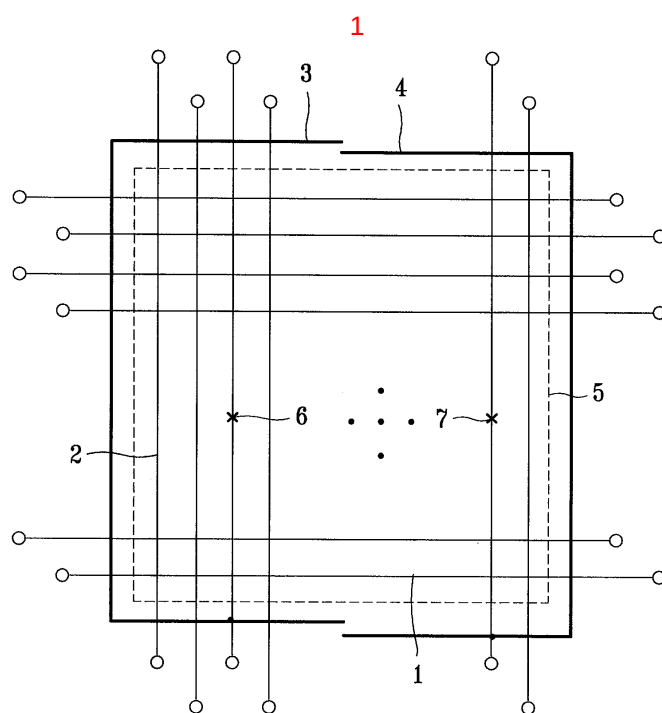
CVD

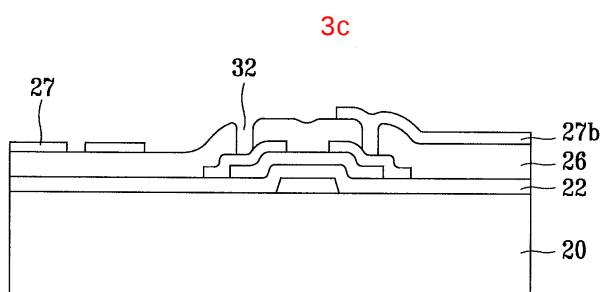
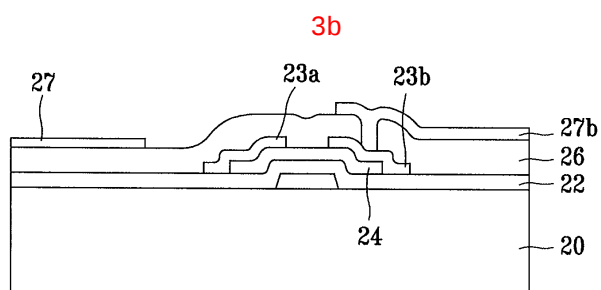
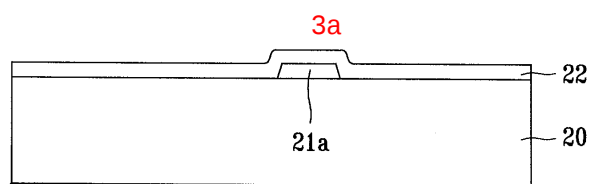
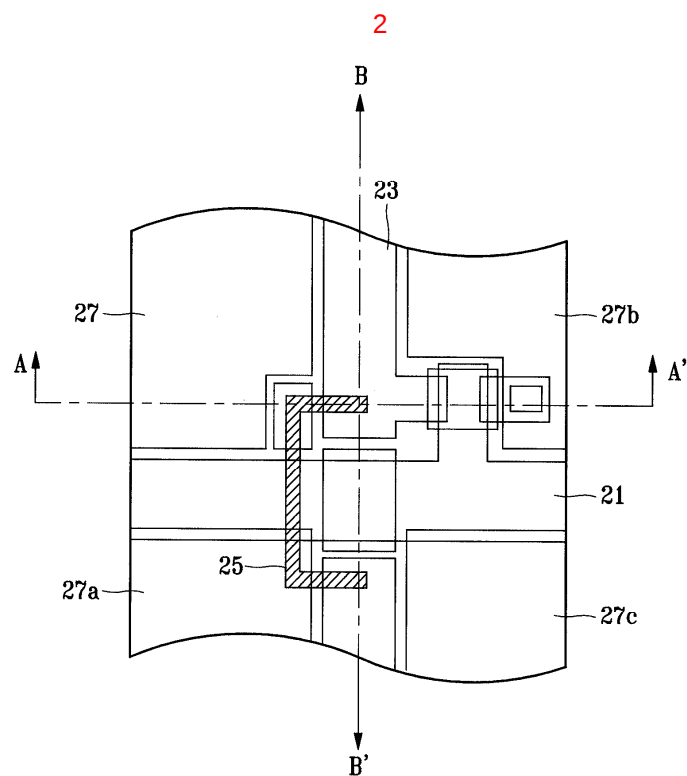
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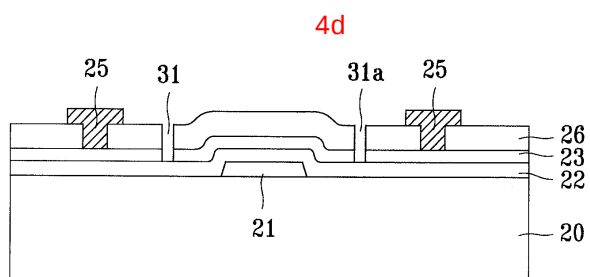
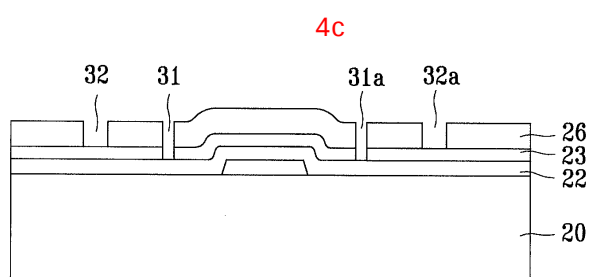
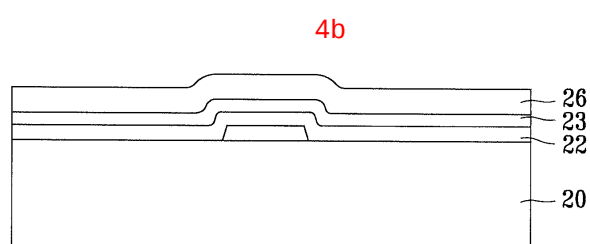
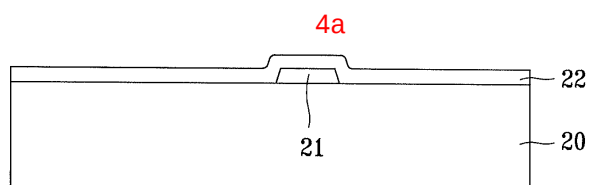
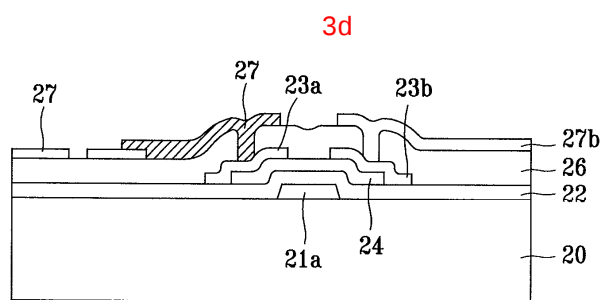
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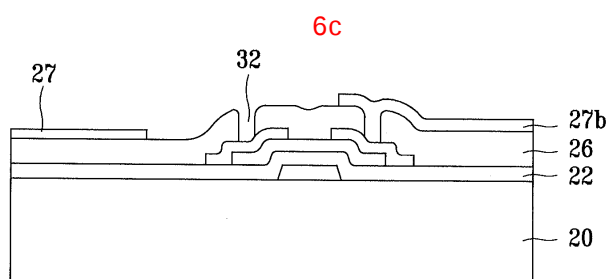
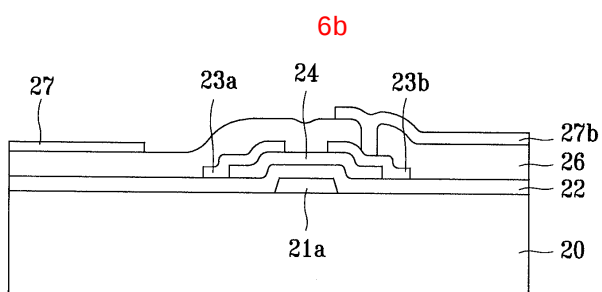
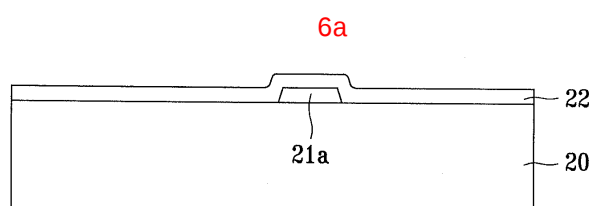
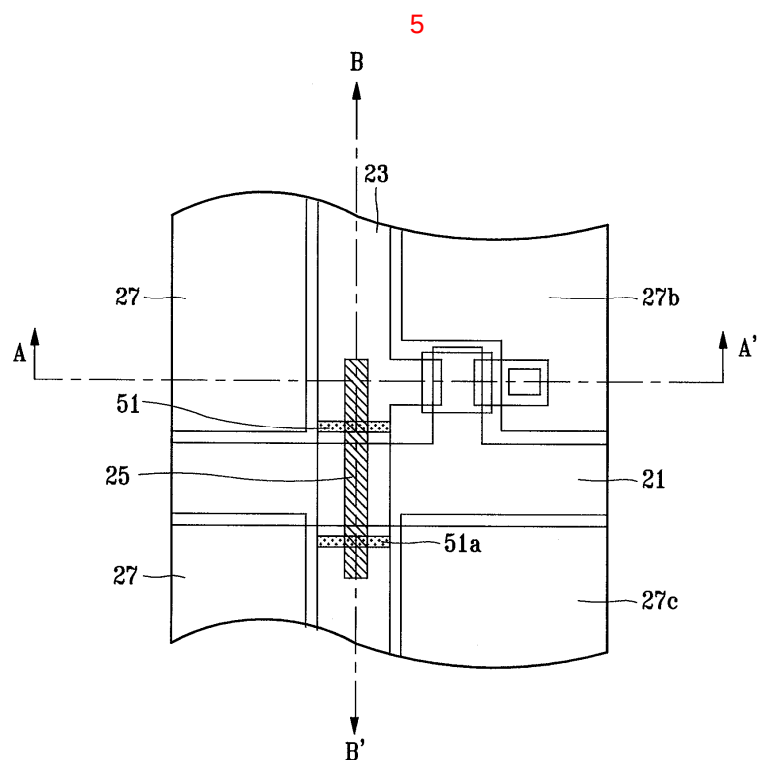
20.

18

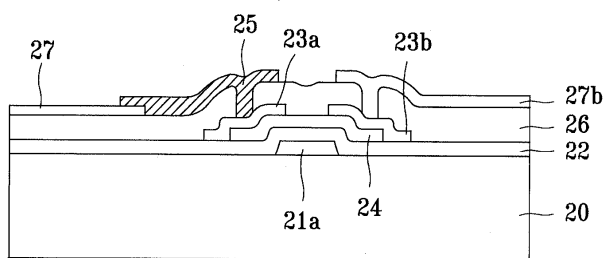




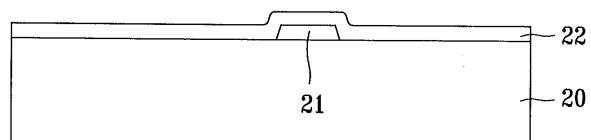




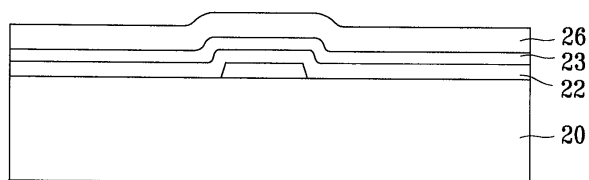
6d



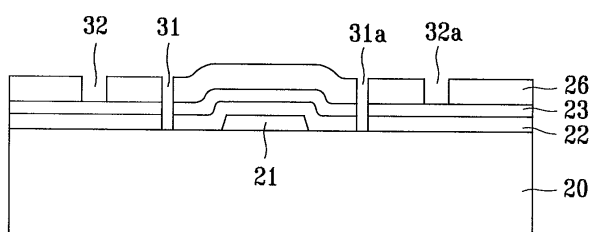
7a



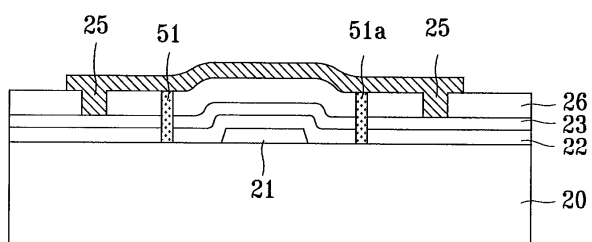
7b

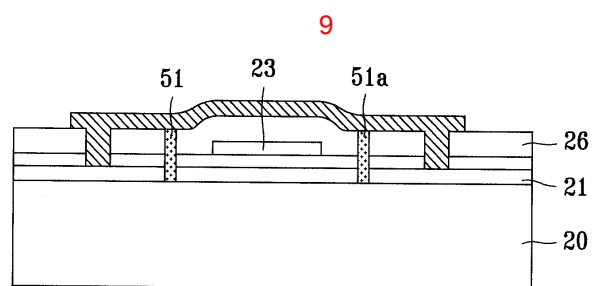
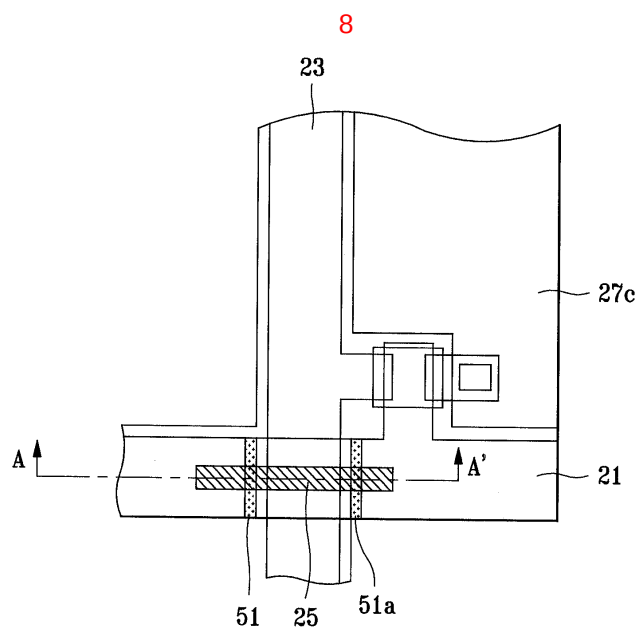


7c



7d





专利名称(译)	形成液晶显示装置的修复图案的方法		
公开(公告)号	KR100382456B1	公开(公告)日	2003-05-01
申请号	KR1020000023332	申请日	2000-05-01
[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	CHOI WOOHYUK		
发明人	CHOI,WOOHYUK		
IPC分类号	G02F1/13 G02F1/1362		
CPC分类号	G02F1/1362 G02F2001/136263		
代理人(译)	金勇 新昌		
其他公开文献	KR1020010100378A		
外部链接	Espacenet		

摘要(译)

本发明涉及一种形成液晶显示装置的修复图案的方法，该方法能够通过使用激光CVD方法修复由扫描线和数据线之间的短路引起的缺陷来提高产量，一种修复扫描线和数据线之间的短路的方法，包括步骤：在扫描线的两侧切割扫描线和短路数据线；在扫描线的两侧暴露数据线，并使用激光CVD方法形成电连接到暴露的数据线的修复图案。2 指数方面 扫描线，数据线，修复模式

