

(19) (KR)  
(12) (B1)

|                                             |                      |                                        |
|---------------------------------------------|----------------------|----------------------------------------|
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|---------------------------------------------|----------------------|----------------------------------------|

|      |                 |      |                 |
|------|-----------------|------|-----------------|
| (21) | 10-2002-0021282 | (65) | 10-2003-0082793 |
| (22) | 2002 04 18      | (43) | 2003 10 23      |

(73) . 20

(72) 302 904

2-44

(74) :

(54)

/ ,  
가 ,  
가 ,

4

1 .  
2 / .  
3 2 .  
4 .  
5 4 'A-A" .  
6 .  
7a 7g 5 .

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<
2a,2b :      4A, 4B,4C,4D :
8,38 :      10 :
12,40,42 :      14,52 :
16,54,50 :      48 :
56 :      58 :
60 ;      68 :
84 :      86 :
>
```

[illegible]

B(benzocyclobutene), PFCB(perfluorocyclobutane), (Acryl), BC

가

가

가

orocyclobutane) (Acryl), BCB(benzocyclobutene), PFCB(perflu

4, 4, 7g  
4, 5, 4, 'B-B"  
(GP), (DP), (GP,DP), (TP), (TP)  
(40,42), (32a), (32b), (84), (86), (56), (68), (58), (66b)  
TFT, (68), (58), (60), (52), (62,64), (50), (54), (86), (68), 가, TFT, TFT, (68)  
(84), (54), (86), (50), (52), (66c), (54), (76), (40), (54), (48), (acryl), 1  
~2μm, BCB(benzocyclobutene), PFCB(perfluorocyclobutane), (48)  
(48), (32a), (USL), (42), (40), (38)  
(32a), (48), 가, (32b), (32a)

(48) (48) 가 (42) (TP) (40) (50)  
 7a 7a 7g (32b) (sputtering)  
 (Al) (Cu)  
 7b (52) (52) 1 2 (42), (84) (84) (56) (56) (32b) (56)  
 (SiOx) (SiNx)  
 (Chemical Vapor Deposition)  
 1 2 N P  
 (Dry Etching)  
 7c (62) (64) (64) (52) CVD (sputteri  
 ng) (Cu), (Cr) (Mo)  
 8) (60) (86), (40), (58) (60) (62) (5  
 (62) (58,60) (56)  
 7d (40), (86), (58) (60)  
 (32b) (SiOx) (SiNx)  
 7e (54) (Spin Coating) PFCB(perfluorocyclobutane)  
 (Acryl) , BCB(benzocyclobutene),  
 (48) (50) (54) (42) (40) (50)  
 가 (48) (50) (54) (42) (40)  
 7d 7e (54) (50) (48)  
 7f (48) / (50) (32b) (sputtering)  
 (Indium - Zinc - Oxide) (Indium - Tin - Oxide),  
 (Indium - Tin - Zinc - Oxide)  
 (66b) (68) (68) (54) (50)  
 7g (68) (32b) (32a) (38)  
 (32a) (32b) (USL) (DSL)

(57)

1.

가

가

2.

1

cyclobutane)

(Acryl)

, BCB(benzocyclobutene)

PFCB(perfluoro

**3.**

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4.

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**5.**

4

**6.**

가

가

가

7.

6

**8.**

7

9.

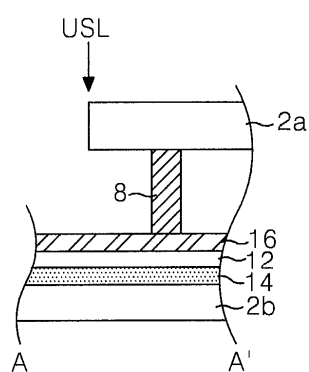
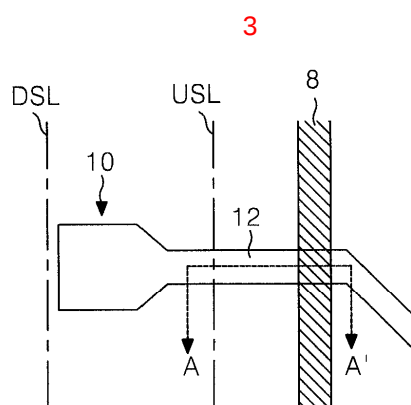
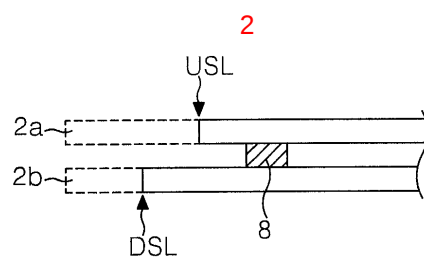
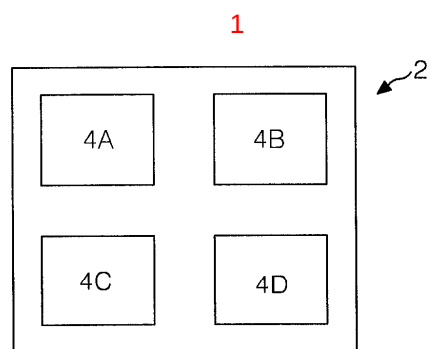
6

cyclobutane)

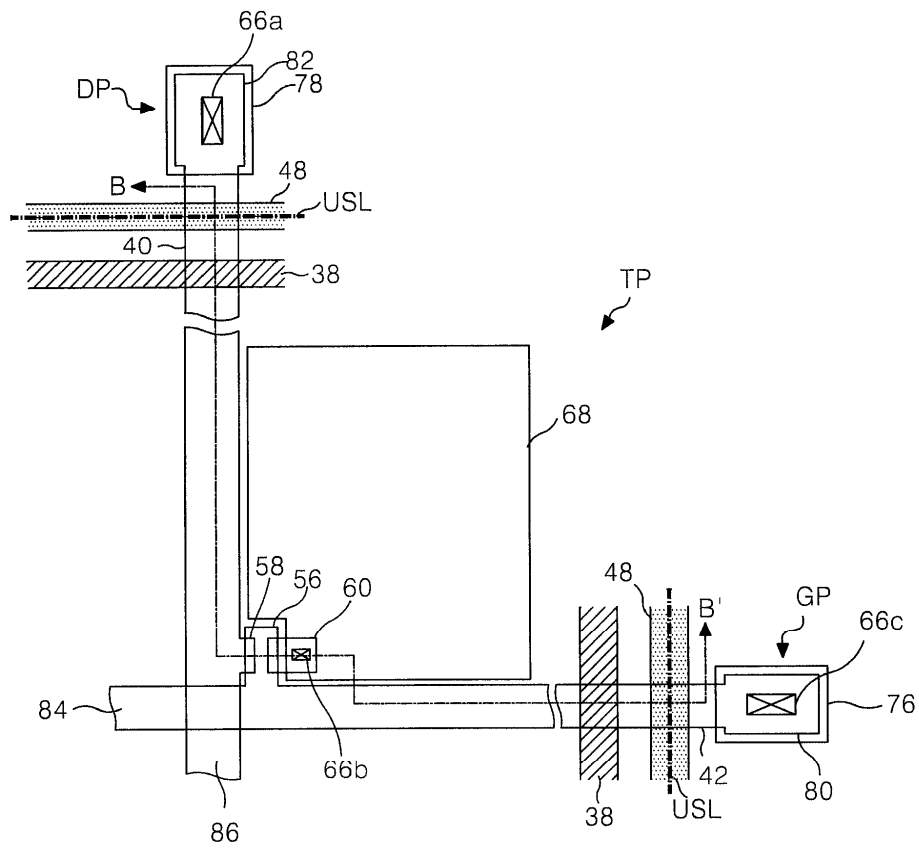
(Acryl)

, BCB(benzocyclobutene)

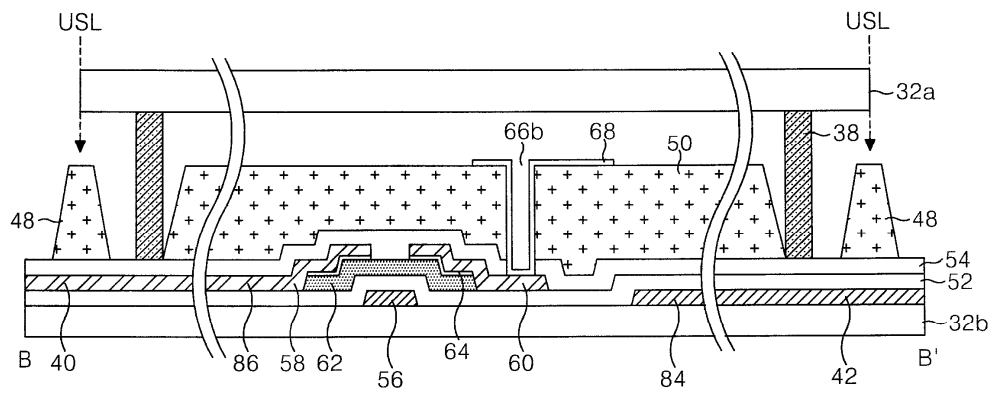
PFCB(perfluoro



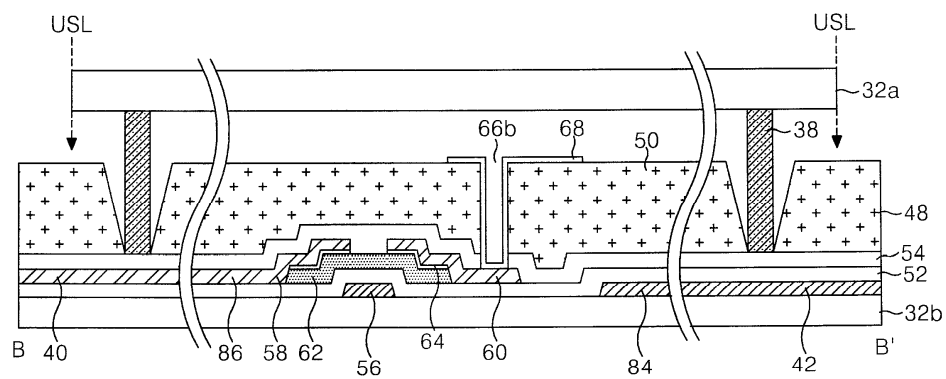
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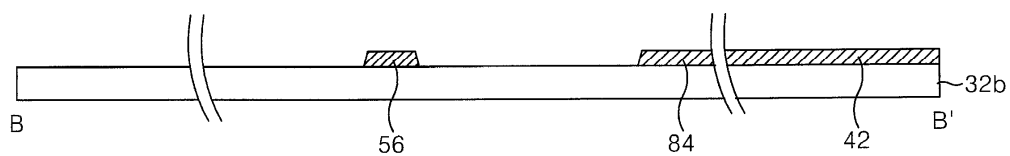
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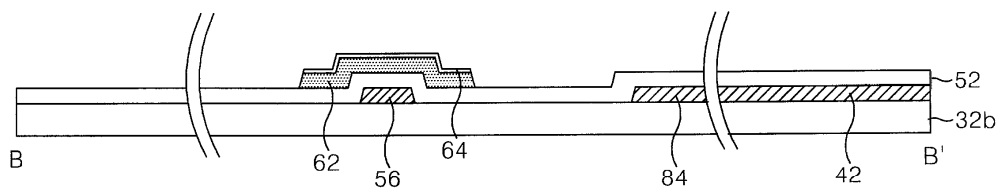
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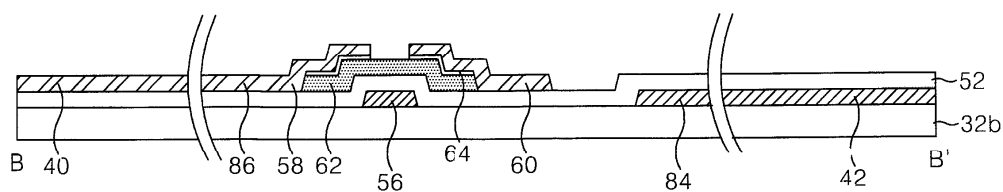
7a



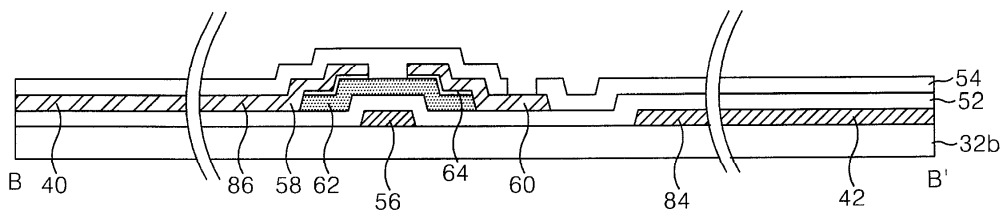
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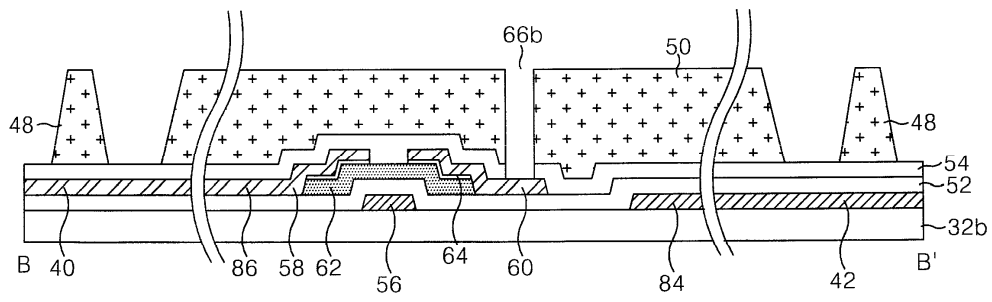
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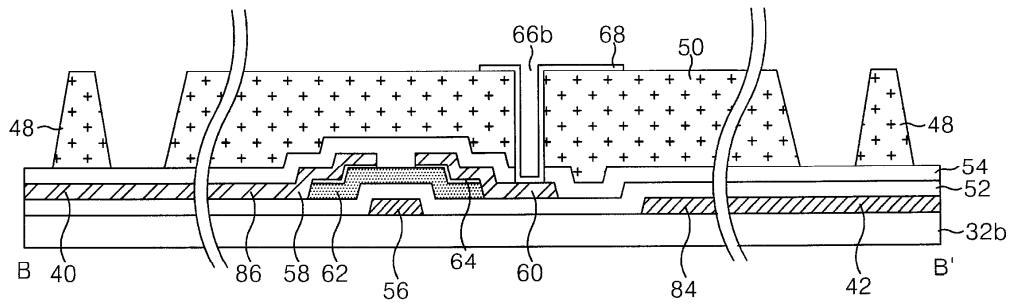
7d



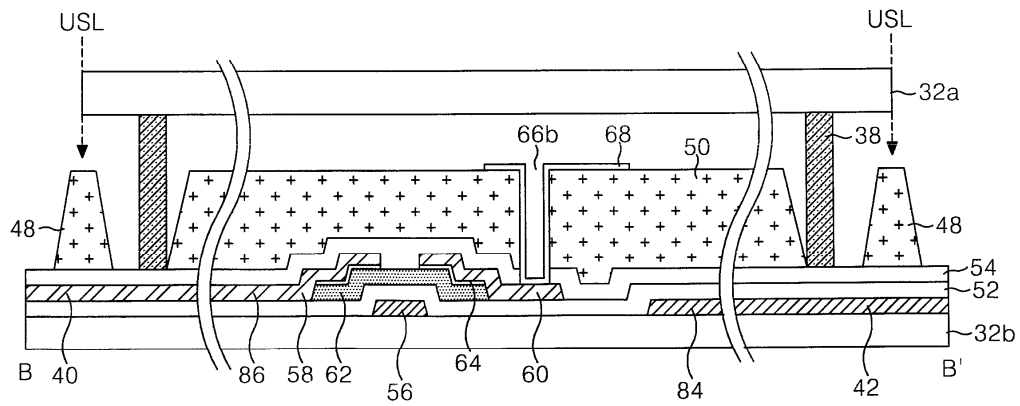
7e



7f



7g



|                |                                                                        |         |            |
|----------------|------------------------------------------------------------------------|---------|------------|
| 专利名称(译)        | 液晶面板及其制造方法                                                             |         |            |
| 公开(公告)号        | <a href="#">KR100469976B1</a>                                          | 公开(公告)日 | 2005-02-02 |
| 申请号            | KR1020020021282                                                        | 申请日     | 2002-04-18 |
| [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                                                              |         |            |
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| 发明人            | 이병현<br>진교원                                                             |         |            |
| IPC分类号         | G02F1/1339                                                             |         |            |
| CPC分类号         | G02F1/1309 G02F1/1339 G02F1/13458 G02F1/136286 G02F1/1368 G02F2201/123 |         |            |
| 代理人(译)         | KIM , YOUNG HO                                                         |         |            |
| 其他公开文献         | KR1020030082793A                                                       |         |            |
| 外部链接           | <a href="#">Espacenet</a>                                              |         |            |

## 摘要(译)

本发明涉及能够防止在划线/断开过程中产生的电极连接断开的液晶面板及其制造方法。根据本发明的液晶面板包括上板和非显示器有机图案，其包括非显示区域，以及用于将上板和下板连接在非显示区域之间的显示区域和密封区域沿着显示有机层的信号链路形成的上板的切割线形成，形成在显示区域的下板和非显示区域上。对于非显示区域，定位其中多个液晶单元连接到形成在所形成的显示区域上的信号线的焊盘部分，以及通过信令链路在下板之间显示区域。

