

(19)
(12)

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(11)
(43)

2003-0054937
2003 07 02

(21) 10-2001-0085371
(22) 2001 12 26

(71) .
20

(72) 161 LGPhilipsLCD

(74)
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(54)

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2 1

3 2 'A-A''

4 1

5 4 'B-B''

6 1

7 6 'C-C'' 1

8 6 'D-D'' 2

9 2 .

10 9 'E - E" 1 .

11 9 'F - F" 2 .

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1,51 : 2,52 :

4,54 : 20,70 :

24,28,90,92 : 26,30 :

32,82 : 34,84 :

60 :

(Liquid Crystal Display; LCD)

(Printed Circuit Board : 'PCB') (Integrated Circuit : 'IC') PCB IC

Automated Bonding : 'TAB') IC (Chip On Glass : 'COG') (Tape A

COG 1 (14) , (14) 1

(20) 1 2 (2a,2b) , (14) (22)

2 (4a,4b) .

(14) (20) (22) (Pix

el Matrix) (22) (12) , (20) (22)

(10)

(14) (() (18)

, (14) () (16)

1 2 (2a,2b) (18) 가 (14)

. 1 (2a) 2 3 , 2 (2b)

(20) (6) (24) (20) (24) (6)

(34) (34) 1 (26a) (24) , (24)

(34) (32) 2 (26b) (20)

1 2 (4a,4b) (16) 가 (14)
(8) 1 (4a) 4 5 (8) (32) (34)
2 (30a) (28) (28) (34)
(30b) (22) 2 (4b)
(22)
(2a,2b) (4a,4b) 가 (14) TF
T
(20)
가 (2a) (20) (GL1,GL3,GL5...,GLm) 1 (22)
(GL2,GL4,GL6,...,GL(m-1)) 2 (2b)
가
FT(10) , 1 (2a) 가 (GL1,GL3,...,GLm) T
(Turn ON) (DL1 DLn) 가 가 (12)
(12) 가 , 2 (2b) 가 (GL) (D
(GL2,GL4,...,GLn) (12) (12)
L) 가 (12)
TFT
(1) (SCL)
(1) (SCL) (22) TFT (22) 가 가 (20)
(20) (22) (20) (22)
TFT
(1) (SCL) (22) TFT (22) 가 가 (20)
(20) (22)

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1 2

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6 11

6 1

6 (54a,54b) 1 COG (72) 1 2

1 2 (54a,54b) ()

1 (54a) (DL2,DL4,...,DLm) (DL2,D
L4,...,DLm) (54a) 1 (54a) 7 1 (56) (84)
(54a) 1 (80a) (90) (90) (84)
2 1 (80b) (72)

2 (54b) (DL1,DL3,...,DL(n-1)) (DL
1,DL3,...,DL(n-1)) 2 (54b) 8 2
(82) (84) 2 1 (58) 2 (58) (90)
) (84) 2 (80b) (90) (72) (90)

1 (80a) (SCL) 2 (80b) (60)
(SCL) (60) (90)
'ITO'), (Indium - Zinc - Oxide :
'ITZO') (Indium - Tin - Zinc - Oxide :
(90) (51) (SCL) 1
(90) (51) (SCL) (72)

1 2 1 2

1 2

9 2 COG 1 2

9 (52a,52b) ()

1 (52a) (GL1,GL3,...,GL(m-1)) (GL
1,GL3,...,GL(m-1)) 1 (52a) 10
(92) (82) (84) 2 (92) 1 (7
0) (76b)

2 (52b) (GL2,GL4,...,GLm) (GL2,G
L4,...,GLm) 2 (52b) 2 (96) (52b)
2 (82) (96) 11
(90) (82) (84) 1 (76a) (90)
(72) (90) (82) (84) 2 (76b)

1 (SCL) (76a) (SCL) 2 (76b) (60) ITO, IZO ITZO
(90,92)

(70) (90,92) (51) (SCL) 1 2 (52a,52b)
(90,92) (51) (SCL) (70)

1 (52a) 2 (52b)
2 (52b) 1 (52a)

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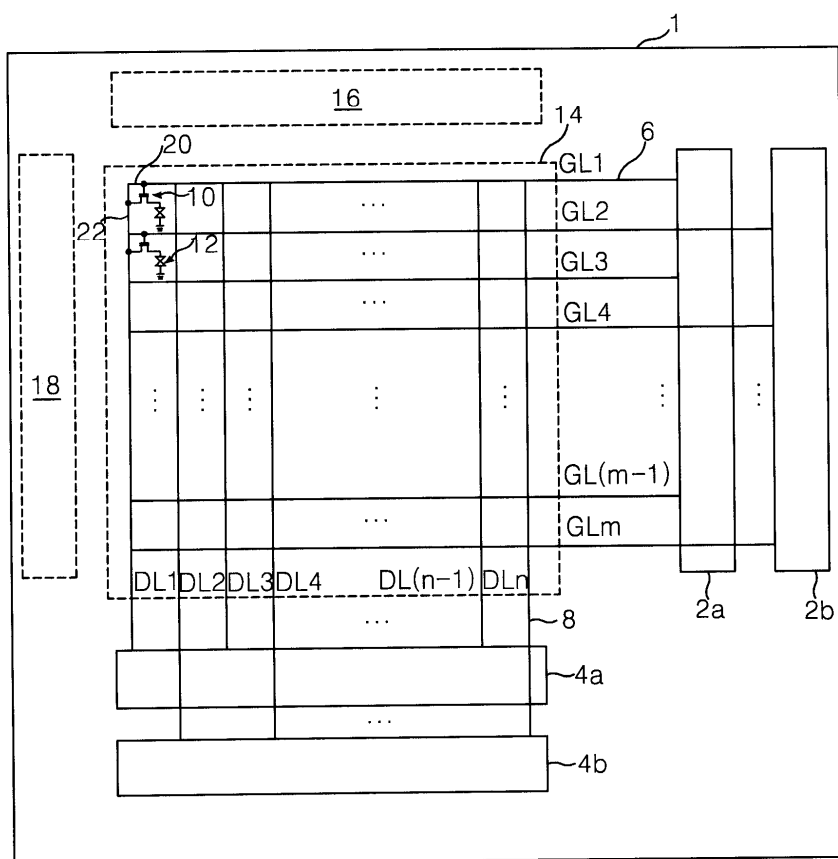
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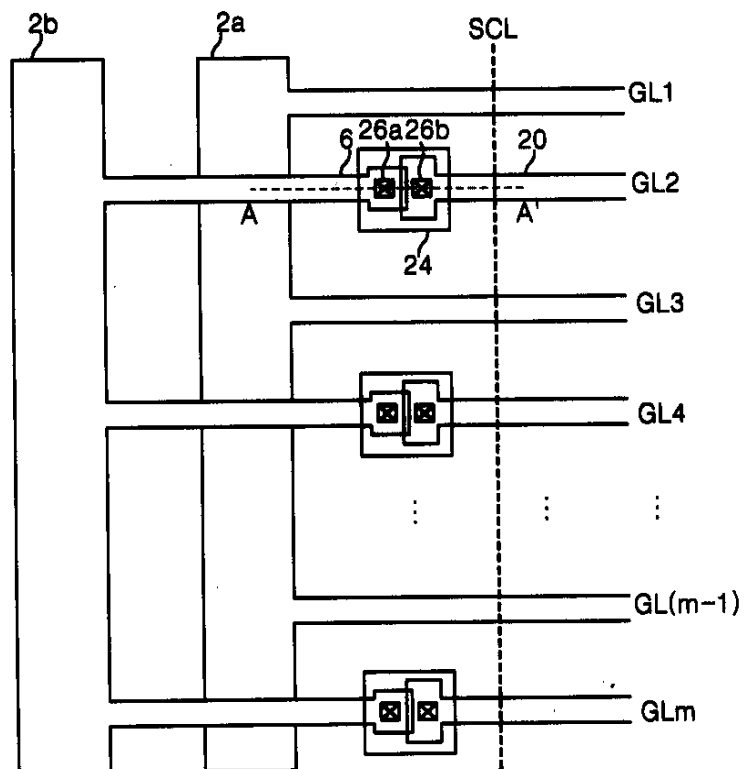
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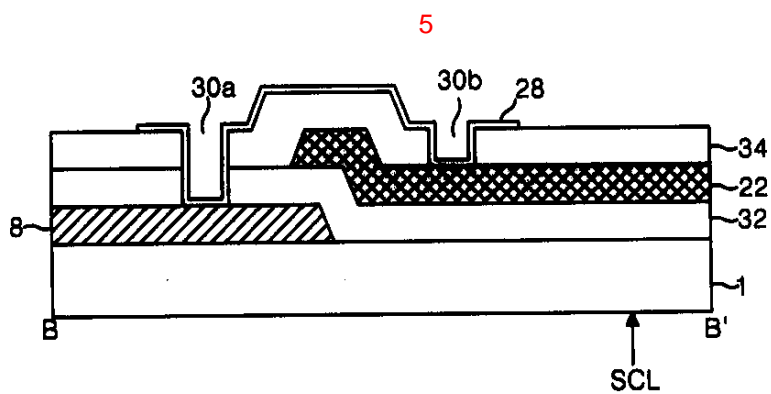
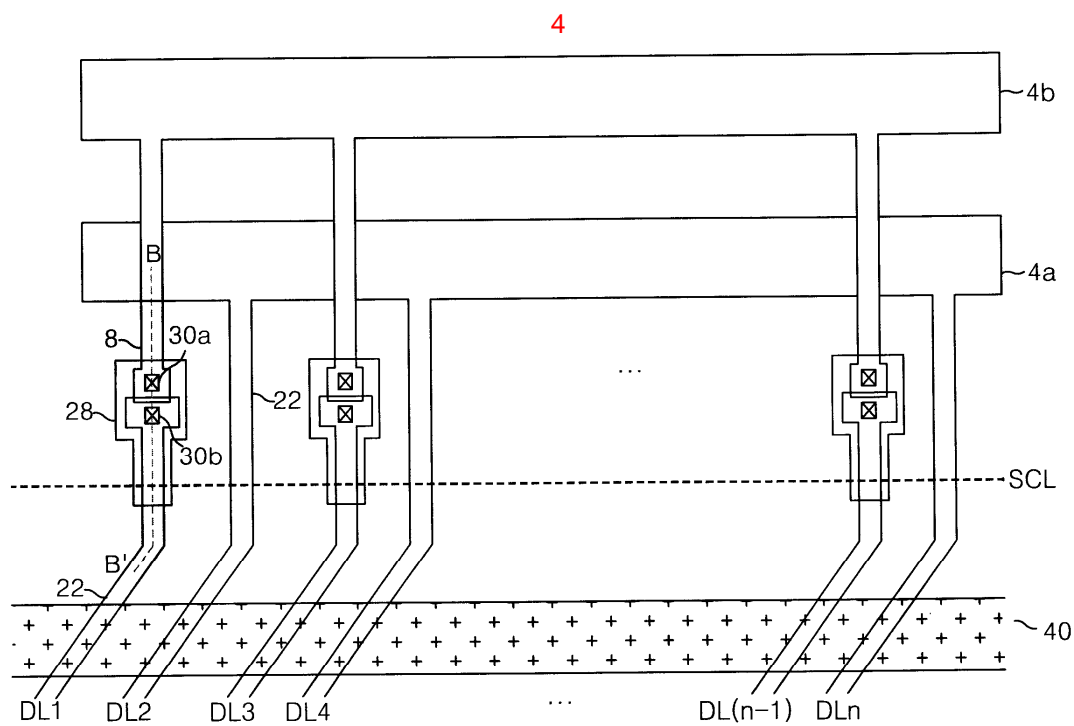
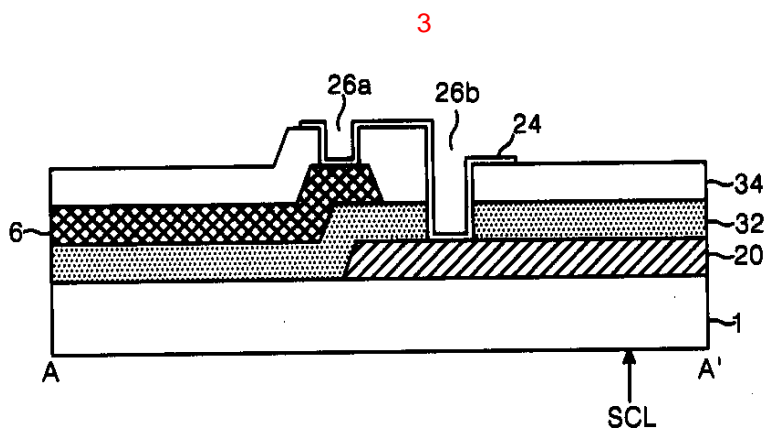
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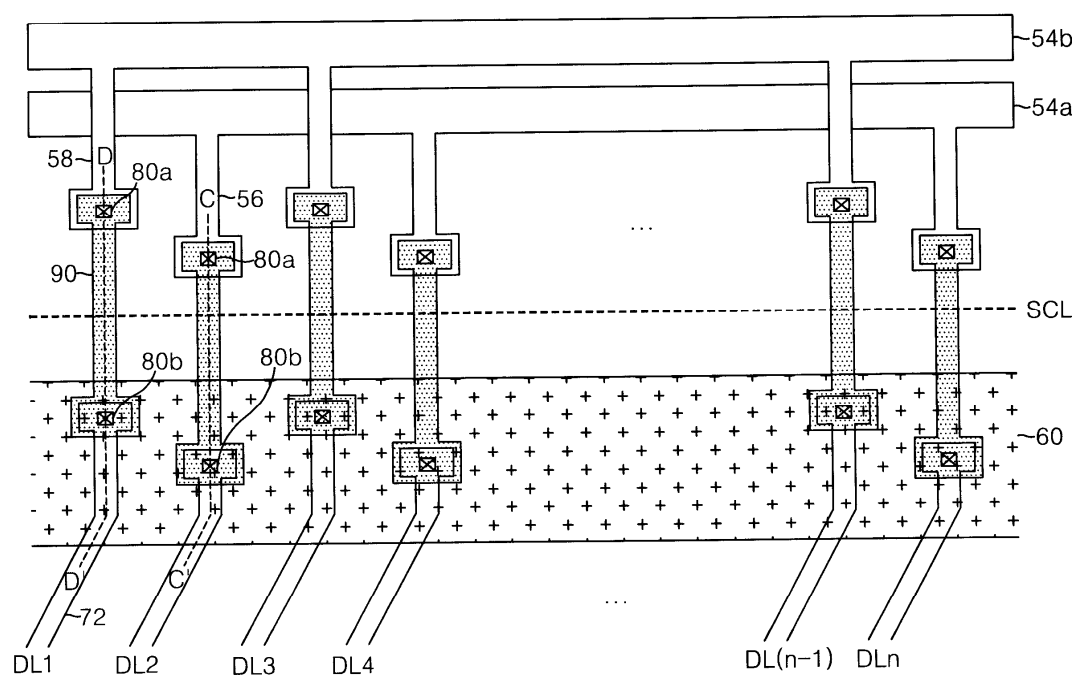


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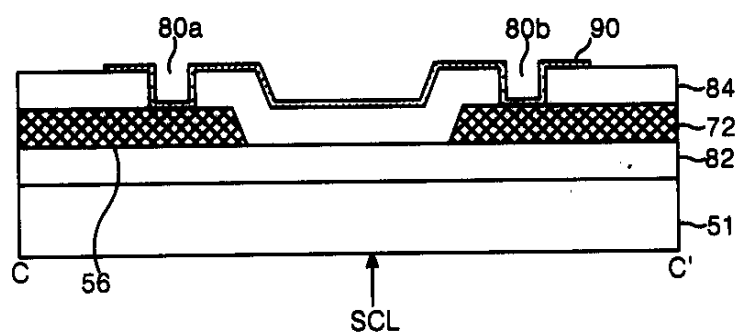




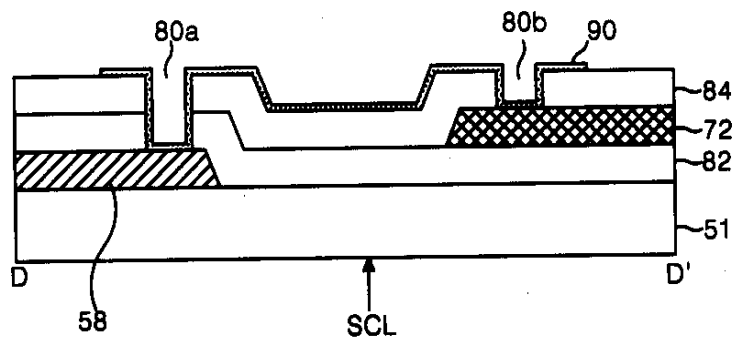
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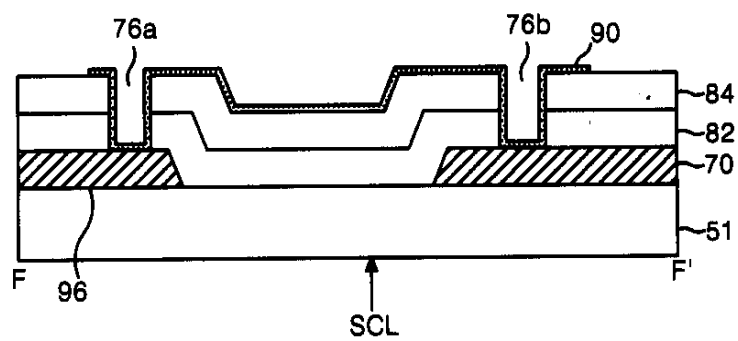


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专利名称(译)	液晶显示器		
公开(公告)号	KR1020030054937A	公开(公告)日	2003-07-02
申请号	KR1020010085371	申请日	2001-12-26
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	JEON JAEYOUNG 전재영		
发明人	전재영		
IPC分类号	G02F1/1362 G02F1/1345 G02F1/13		
CPC分类号	G02F1/136204 G02F1/136286 G02F2001/136254		
代理人(译)	金勇 年轻的小公园		
其他公开文献	KR100831280B1		
外部链接	Espacenet		

摘要(译)

目的：提供一种液晶显示装置，当沿截面切割线切割下基板时，通过暴露透明金属图案而不是信号线来防止信号线腐蚀。组成：多个数据线（72）形成在基板上的截面切割线内。在截面切割线外部形成短路棒以测试数据线。短路棒由与奇数数据线连接的第一短路棒（54a）和与偶数数据线连接的第二短路棒（54b）形成。透明金属图案（90）连接数据线和短路棒，穿过截面切割线。形成多个第一接触孔（80a）以将短路棒与透明金属图案连接。形成多个第二接触孔（80b）以将透明金属图案与数据线连接。

