

(19) (KR)
(12) (A)

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(21) 10-2003-0018367
(22) 2003 03 25

(30) JP-P-2002-00112738 2002 04 15 (JP)

(71) 997

(72) 997

가 997

(74) :

(54)

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.

((3) (5) (6) (5) (3)
, (531, 532, 533) .

2 .
3 .
4 .
5 .
6 .
7 .

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2:
3:
4:
5:
6:
7:
8:

(修復) ,

, 가 8 - 254712 ,

(: M.Oh-e, , Asia Display'95, pp.577 - 580). 6(a)
 , 100 TFT , 200 (CF) , 1 6(b)
 , 2 , 3 , 4 (3) , 5a, 5b
(1) (5) (5a), (E) 가
(5b) TFT (100) CF (200) 가 6
 L1 가
 가
 , 7(a), 7(b) 가 (5)
 가 (3) 가 (3)
 가 (5) (L2) 가

7 (3) 가 9-
113930 (3) (5) 가 (5)

(品位)

가

4 μ m

가

[]

1

CF

TFT

7(a),

7(b)

가

가 .

1 , 6, 7

1 3 , 1 (5) , 400nm (6) 500nm . 5

(6) , (5) , 100nm . 6

(3) , (Cr) I

TO (Indium Tin Oxide) . 7 (Cr) (3), (5), (6) , 2

1 , 가 (5) (3) (4) (5) (3)

1 , (3) (31) (31)

(5) (5) (51), (52) (3) , (31)

(51, 52) (5) , YAG 가 (3) , (5)

5) (51), (52) (4) (3) (5)

가 가 .

2 , TFT

(2) , 1 (3), (4), 200nm 300nm, 2 (5) , 200nm 300nm . 2

2(a) , (3) (31) 2(a)

(5) (51), (52) (4)

(3) 가 가 , 2(b) 가 2(b) ,

(3) (51), (5), (52) 가

가 .

1 (5) (531), (532), (533)

(531), (532), (533) (5) (531),

(532), (533) (3) , (531) (5)

(532) (5) (3) (533) , (531)

(5) (3) (5) , (7) (

5) 가 (5) , (51), (52) (3) (

5) 가 (5) , (6) (531), (532), (533), ,

(3) 가 가 4 μ m

가

(5) (531), (532), (533) (51), (52)

(533) (51), (52)

3 (3) 1

3 (3) (32) (32)

(5) (51), (52) (5) (3) (52)

(51, 52) (32) (5) (51), (52) (3) (52)

(4) (3) (5) 가 가 (

3) (51), (5), (52) 가 가 .

3 (5) (541), (542), (543)

(7) (71, 72) (541) (5) (542)

(5) (3) (531)

(5) (543)

(5) (3) (1)

(5) (71) (5) (541), (542),

(3) (543) (5) (71) (71, 72) (51), (52)

(5) (3) 가 (5) (541), (542), (543)

(7) (71) (3) 가 가 .

가 가 가 .

3

4 (3) 1

4 (3) (33) (33)

(3) (5) (51), (52) (33) (3)

(51, 52) (33) (5) (51), (52)

(4) (3) 가 가 (

3) (51), (5), (52) 가 가 .

4 (5) (551), (552), (553), (554),

(555) (551) (5) (552)

(3) (7) (5) (3) (5)

(553) (554) (3) (5)

(3) (5) (553) (5) (555)

(52) (555) (5) (51), (52) (3) (5)

가 (551) (555) (3) 가 가 .

가 가 .

(5) (6) (501, 502)

(1) (5) (552), (553) (501) (502)

(5) (552), (553) 가 .

(A)

(501, 502) 2 가 3 .

1 , 2

1 3 5

5(a) , Cr, Al, Ti, Ta, Mo, W, Ni, Cu, Au, Ag

ITO , (1), (1), 5(b)

가 , (2) , Si, poly-Si

(93), n TFT P n+ Si, n+ pol

(93) 가 CVD, CVD, CVD

5(c) Cr, Al, Ti, Ta, Mo, W, Ni, Cu, Au, Ag

ITO , (3), ,

가 , ,

5(d) (4) , 2 1 2 ,

(4) , 2

5(e) Cr, Al, Ti, Ta, Mo, W, Ni, Cu, Au, Ag

ITO , (5)

TFT

TFT

(57)

1.

2.

1 ,

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3.

1 ,

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4.

3 ,

4 μ m

가

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5.

1 ,

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6.

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7.

6 ,

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8.

6 7 ,

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9.

6 , 7

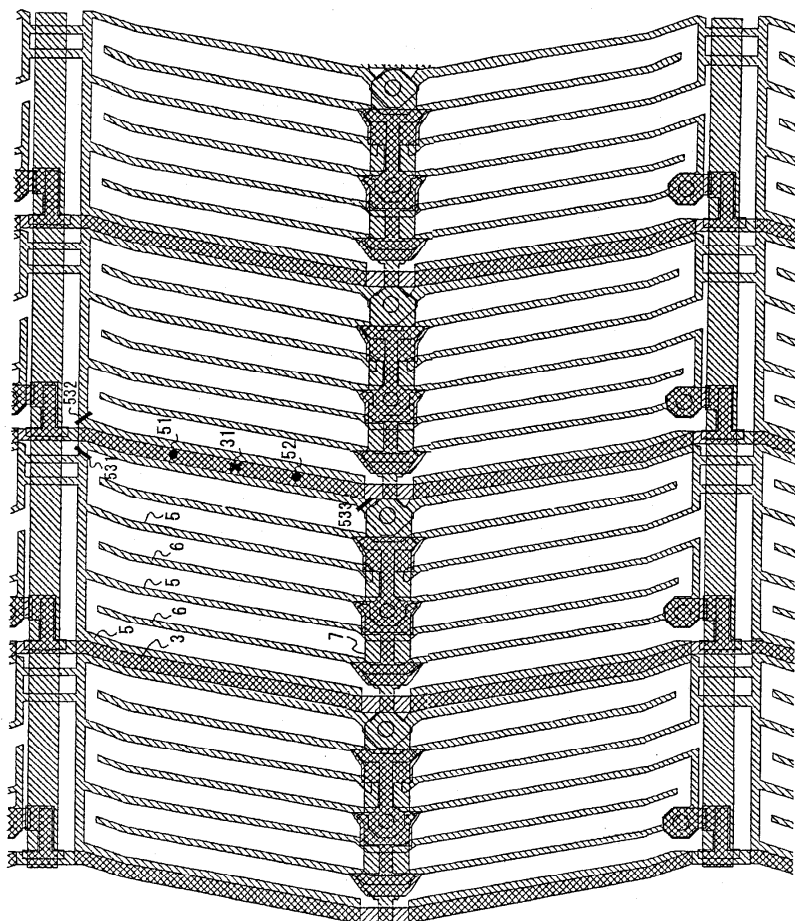
8

,

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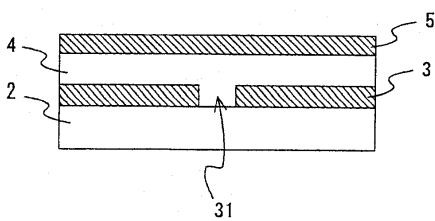
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1

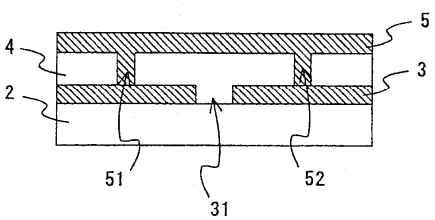


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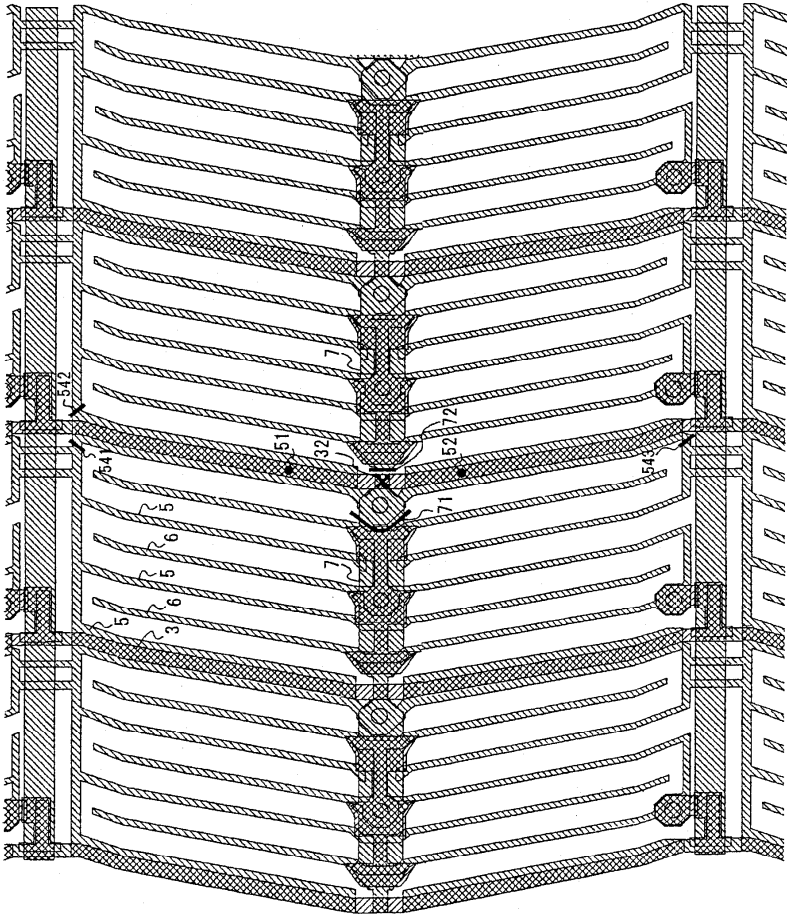
(a)



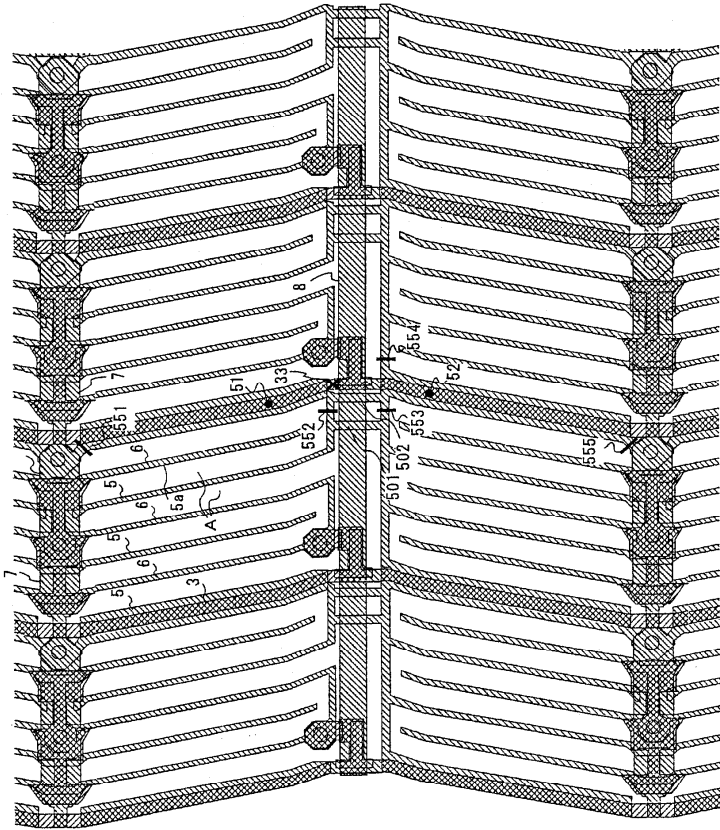
(b)



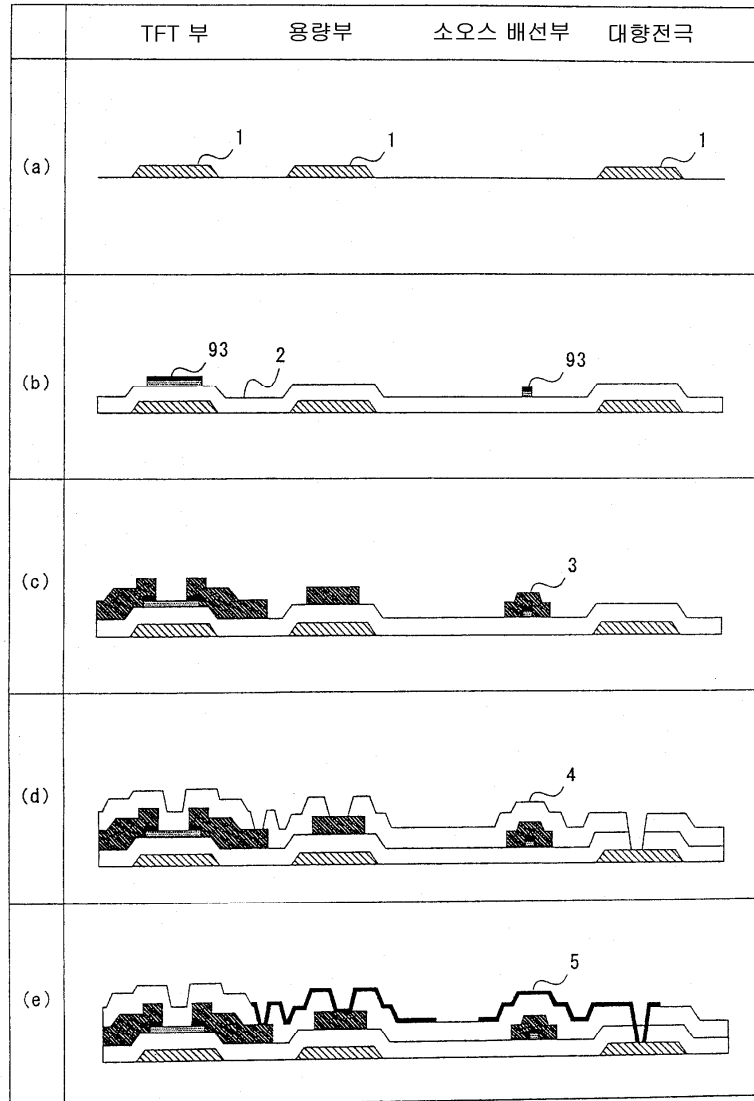
3



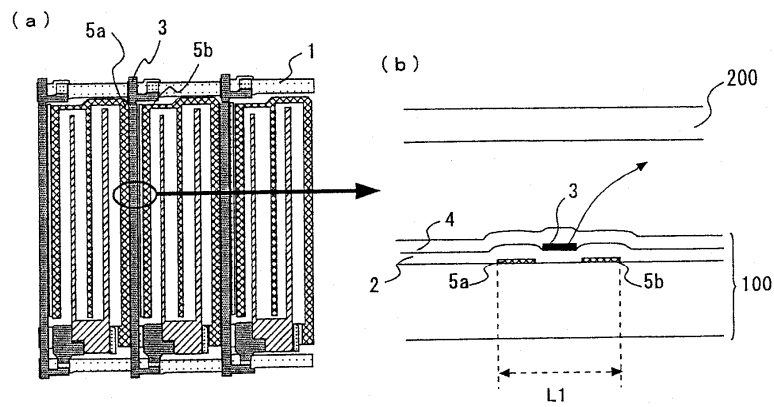
4

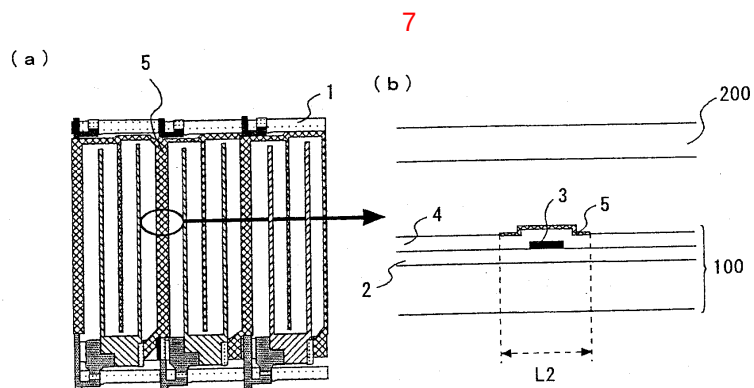


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专利名称(译)	液晶显示装置及其制造方法		
公开(公告)号	KR1020030082375A	公开(公告)日	2003-10-22
申请号	KR1020030018367	申请日	2003-03-25
[标]申请(专利权)人(译)	三菱电机株式会社		
申请(专利权)人(译)	三菱电机有限公司		
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IPC分类号	G02F1/1343 H01L29/786 G02F1/1368		
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代理人(译)	韩国专利公司		
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其他公开文献	KR100827575B1		
外部链接	Espacenet		

摘要(译)

[问题]提供一种具有能够容易地修复源极布线中产生的断开的结构的液晶显示装置及其制造方法。(解决方案) 本发明主要涉及横向电场系统的液晶显示装置。在该液晶显示装置中, 源极布线3和公共电极5在特定区域中彼此重叠。公共电极5和产生相对于像素电极6和重叠区域的电场的另一公共电极5之间的连接与公共电极5与源极配线3重叠的重叠区域分离。并且断开断开区域531,532和533可以断开。 1 指数方面 液晶显示器

