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2001 12 22

(21)
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10 - 2000 - 0033075
2000 06 15

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(72)

617203 - 1005

617203 - 1105

(74)

:

(54)

5

1

2 1 " A - A ' "

3

4 3

5 1

6 5 " B - B ' "

7 2

8 7

< >

1,21 : 1a,21a :

2,22 : 3,12,23,32 :

4 : 5,13,25,33 :

6,11,26,31 : 7,27 :

8,28 : 9,29 :

10,14,30,34,53 : 15,35 :

16,36 : 18,38 :

51,52 :

or : (Active Matrix) (Thin Film Transist
가 가 , (Personal Computer) (Note Book Computer) ,

TFT가
 (Seal)
 (Tape Carrier Package :
 TCP)
 (Integrated Circuit : 'IC')

TCP
 (Shorting Bar Pattern), IC (PAD), 가

1 (2) (1) (1)
 (9) (6) (2) (9) (4) (1) 가 (7)가
 (2) (1) (1) (7) (2) (9) (1)
 (1) (9) / (6) (9) (3)
 (6) (3) (5) (3) 2 (6) (3)
 (1a) , TFT / (4)
 (5) (8) (10)
 (3)

(6) (3) (5) 가
 (3) (3) (5) 가 (3)
 (5) (3) (3)
 (4) (9)

3 (11) (11) (15)
 (12) (13) (13) (12) (14)
 (15) (GND) 가
 (15) (1) 가
 (Scribing) (Grinding) (1) 가 가
 (1)

(1) (11) 4 (Tape Automated Bonding : " TAB"
) IC (Tape Carrier Package : " TCP")(18)

가 . TCP(18) IC(IC)가
 . TCP(18) (Printed Circuit Board : , " PCB")
 (1) (11) , TCP(18) / (Anisotropci Conduc
 tive Film : " ACF") PCB (1) (11) TCP(18)가
 (1) (16) (16) (Scribing)
 (1)
 (16) (12) 가 (12)
 (16) , (15) (12)
 (16) (11)
 (12)

5 8

5 , 1 (22)
 (21) , (29) , (51) (2)
 9) (26) (22) (21) 가 (27)가
 (22) (21) (27) (22) (21)
 (21) (29) (29)
 (26) (51) (26)
 (23) , (25) (23) 6
 (21a) , TFT / (51)
 (23) (21a) (23)
 (25) (8) (30) (29)
 (51) (26) 가 (23) IC(29)
 (51) (26) (23)

7 2 .

7 2
 (31) , (35) (31) (52) (31)
 (32) , (33) (32) TFT
 / (53) (52) (32) (21a)
 (34) (32) (35) (13)
 가 (35) (GND)
 (21) (Scribing) (Grinding) (21) 가
 (31) 가 (52) (35) (31)가
 (31) (32) (52) (35)
 , (31) 8 TCP(38)가 TCP(38)가
 (21) (36) (21a) (28)
 (52) (32) (31)
 (32)

가 IC() 가
 TCP가 ,

가

(57)

1.

2.

1 ,

/

3.

1 ,

4.

5.

4 ,

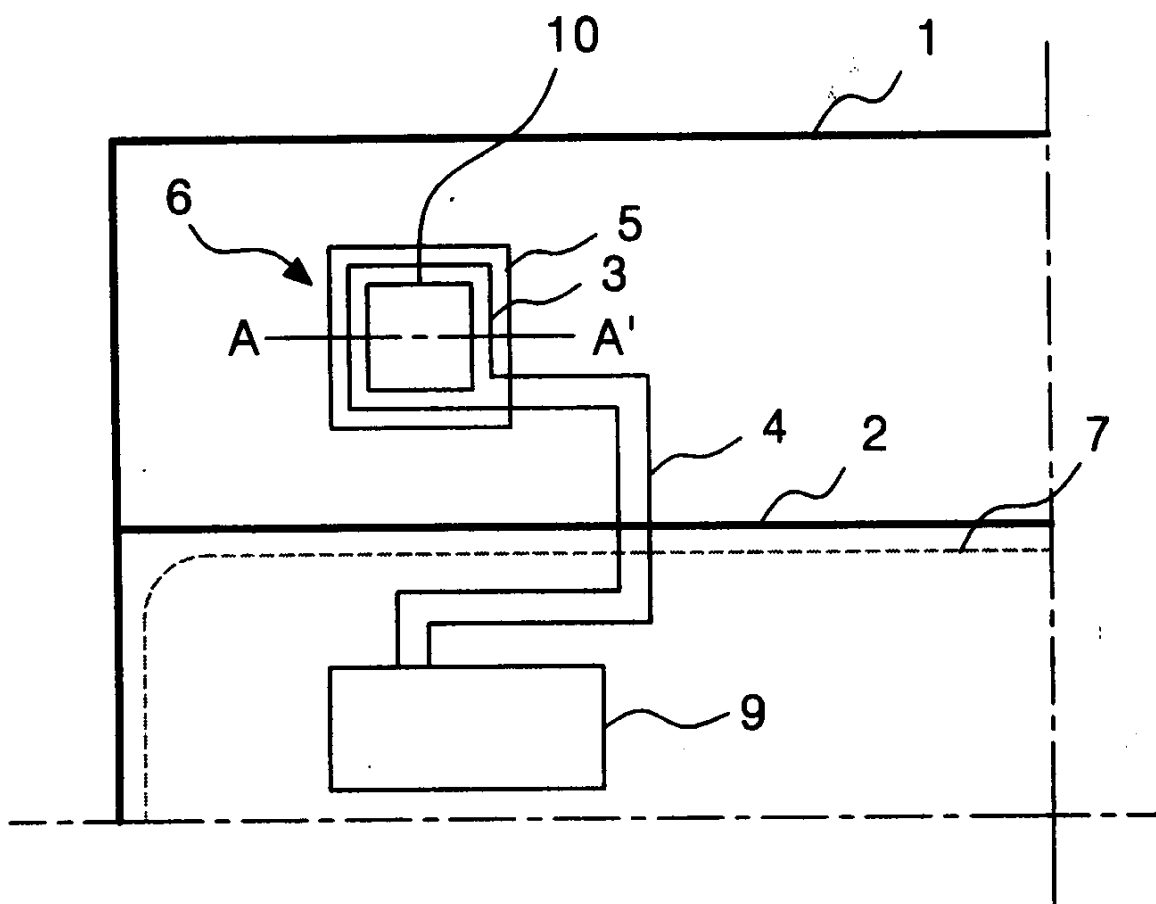
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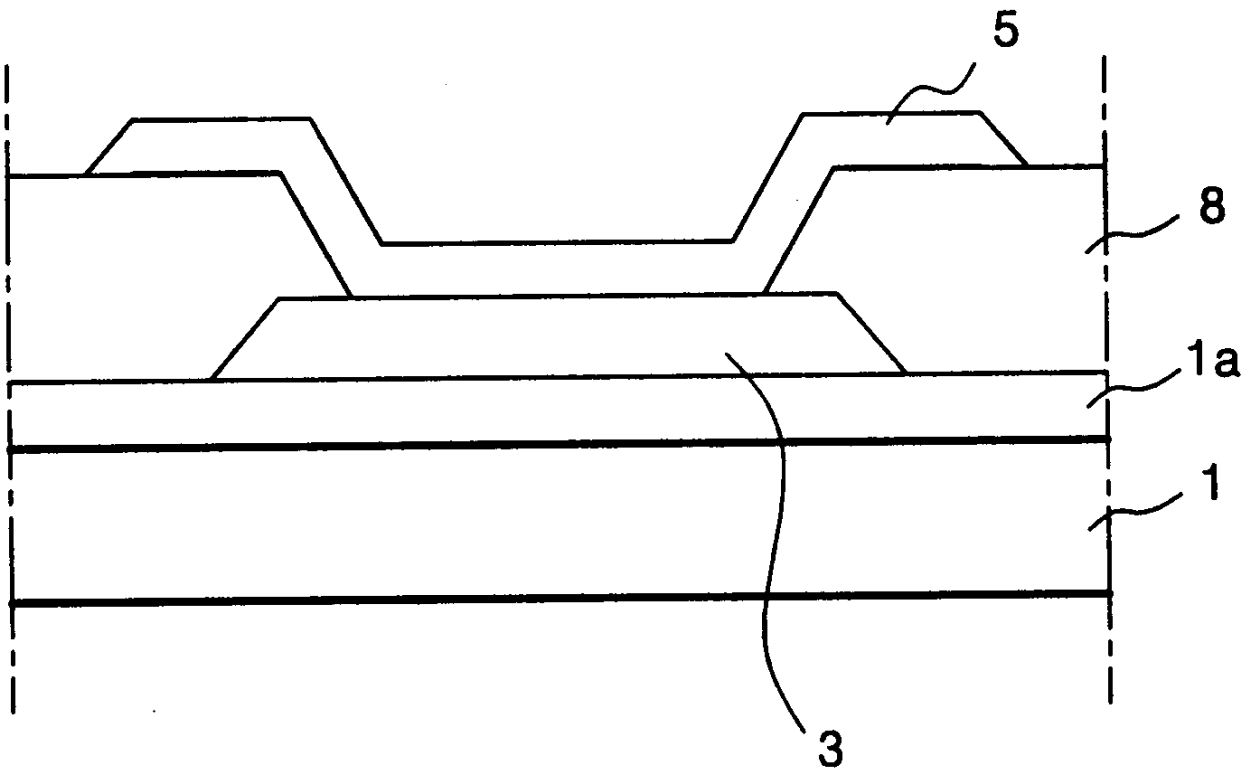
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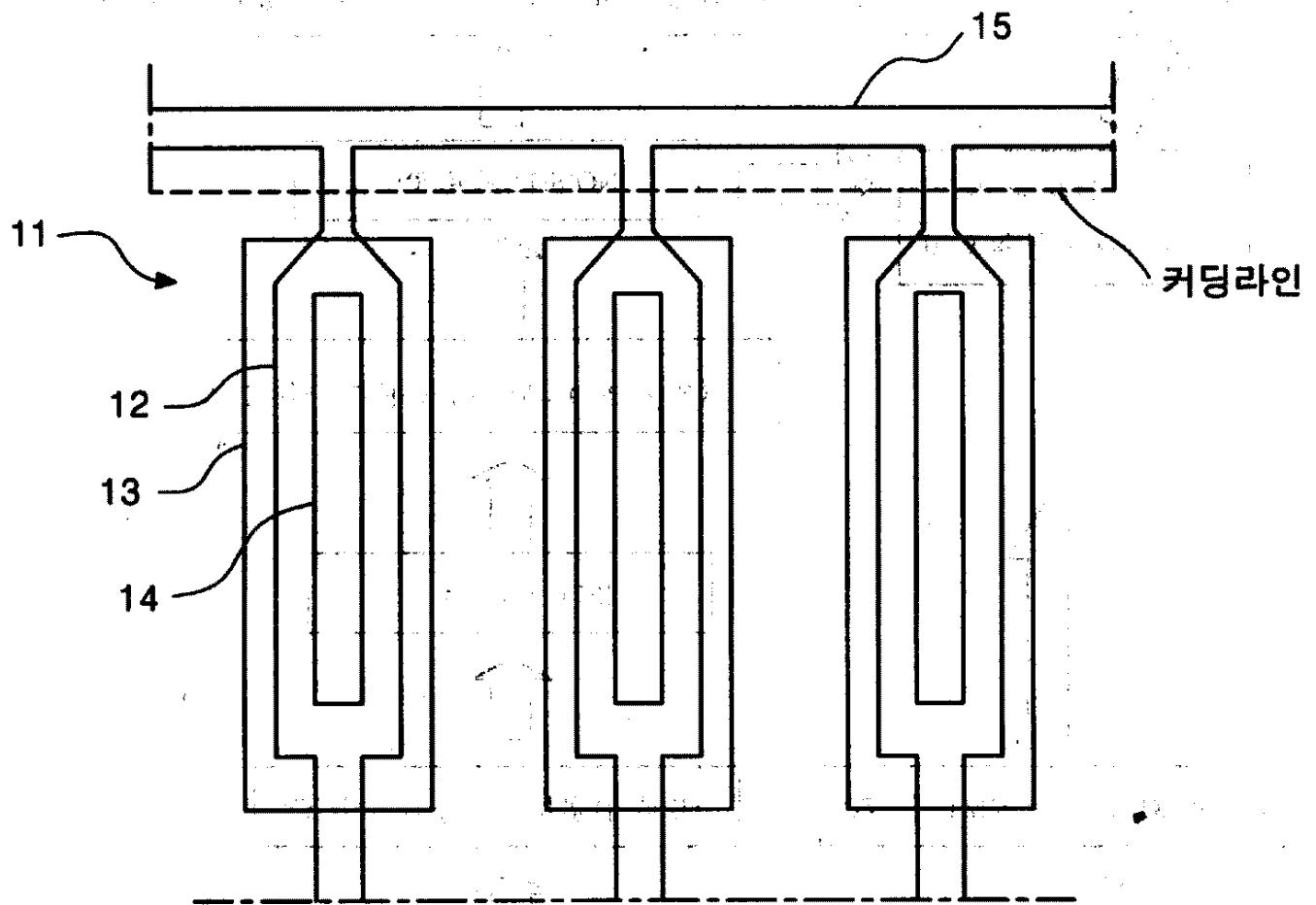
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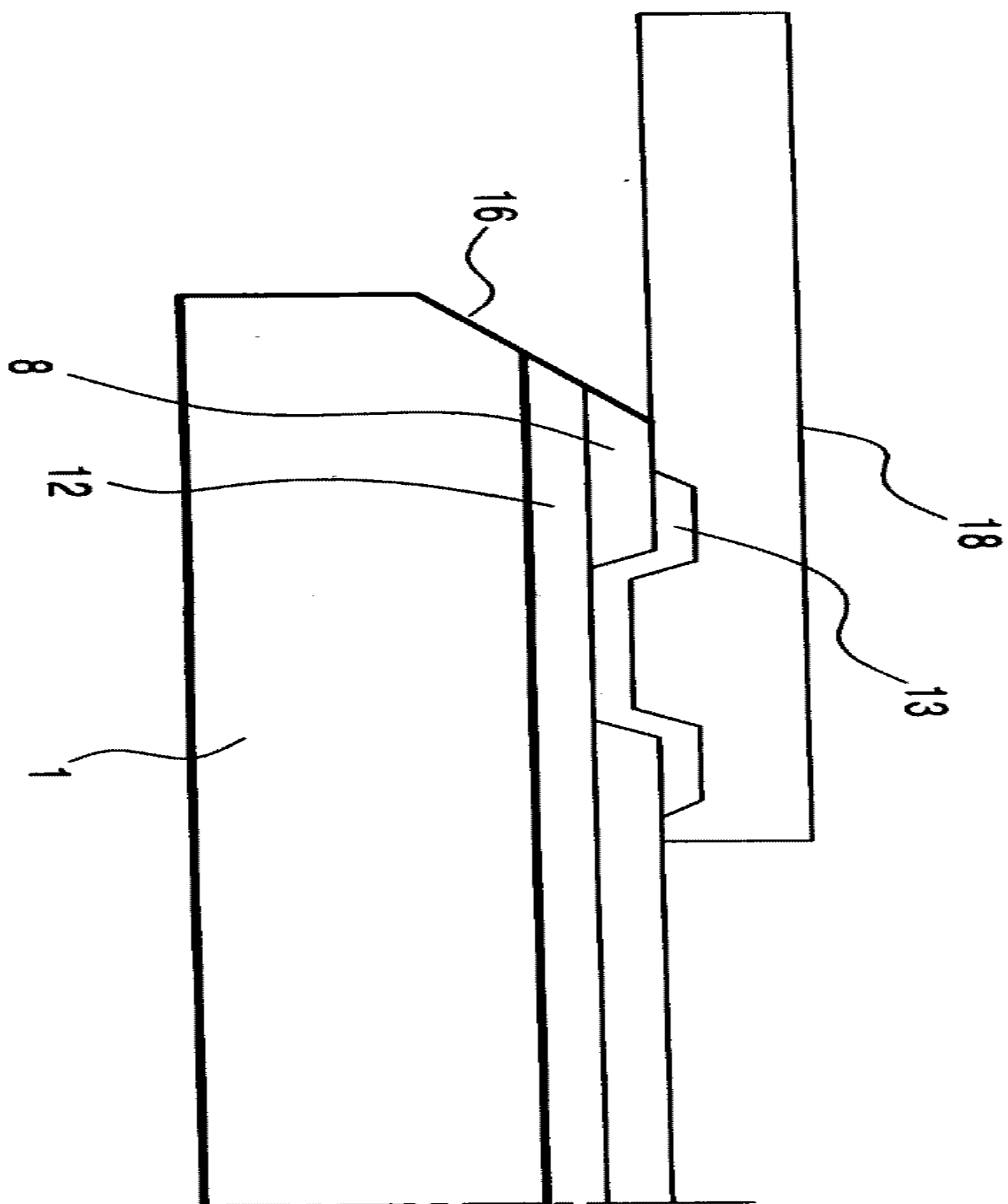
2



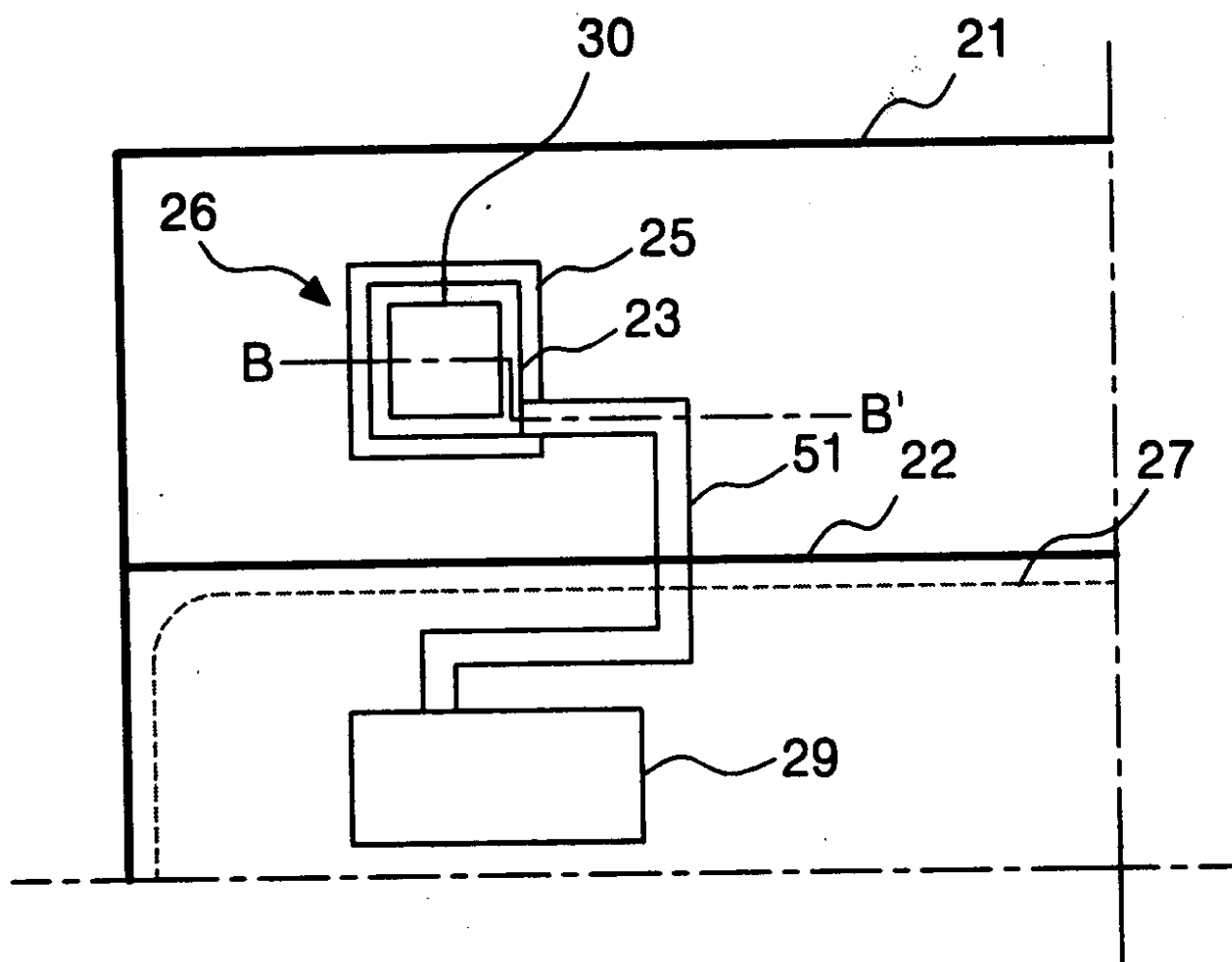
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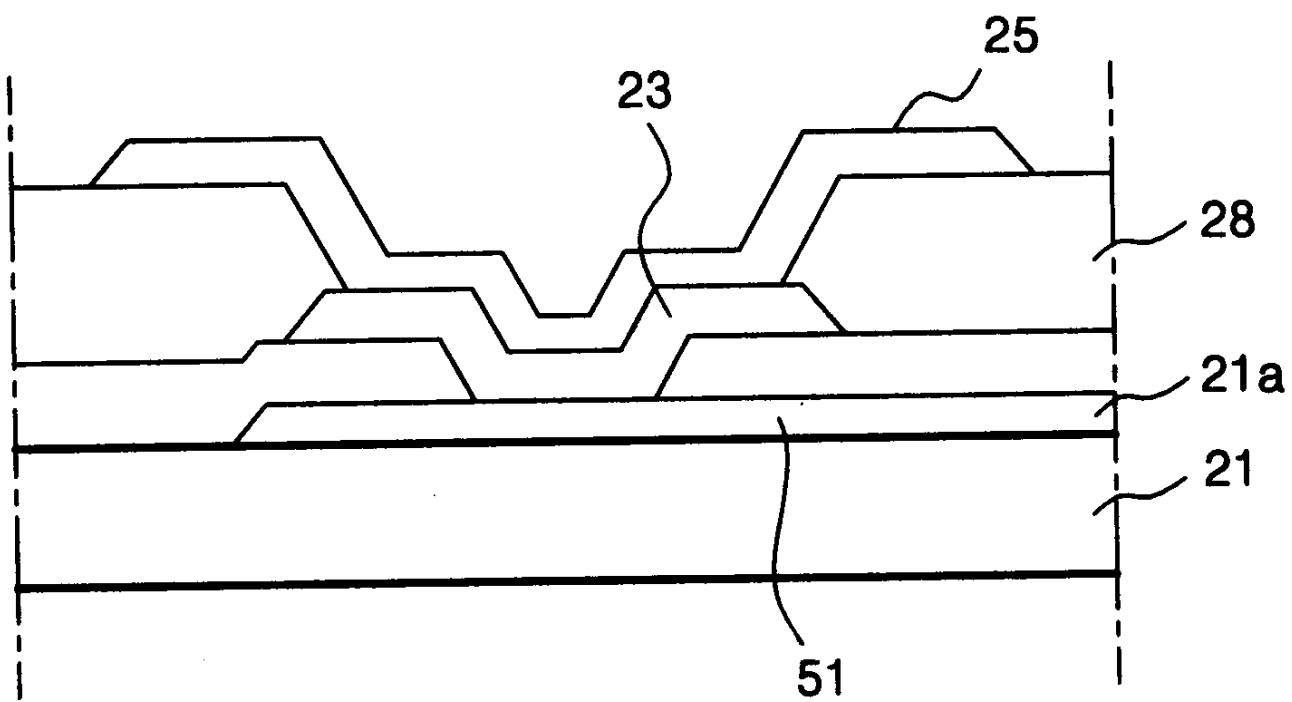
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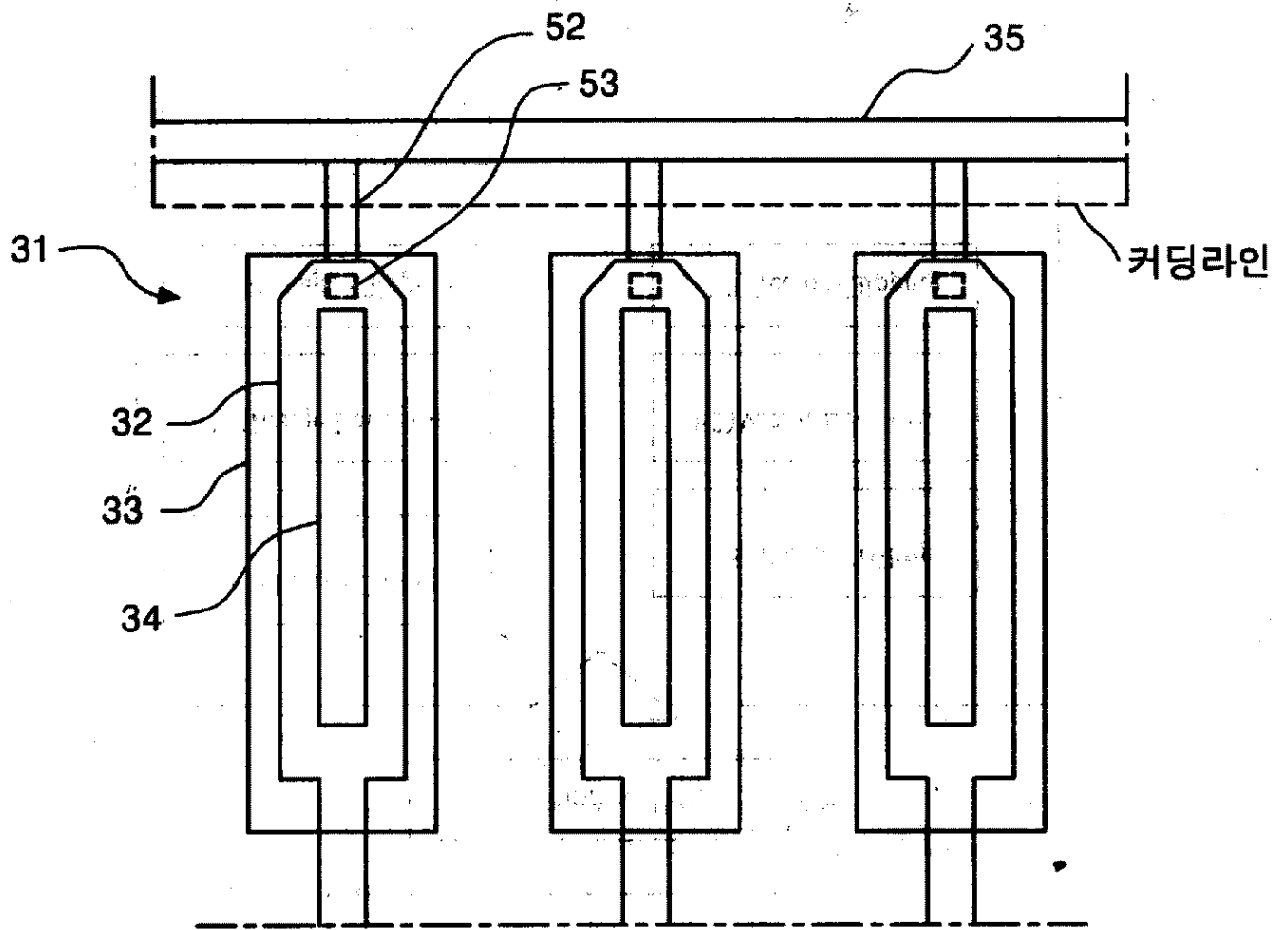
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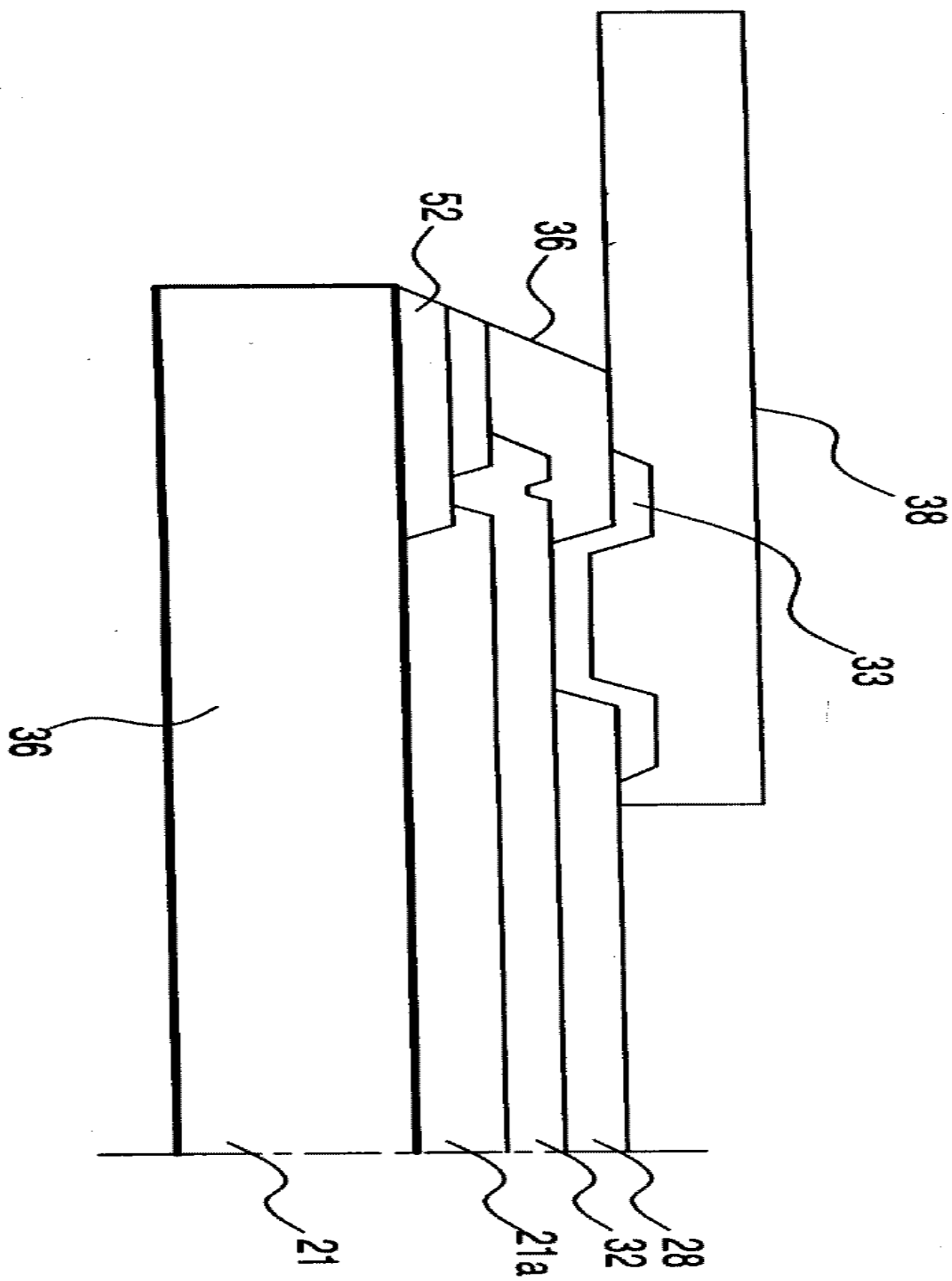


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专利名称(译)	液晶显示元件		
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[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
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发明人	여주천 박재덕		
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其他公开文献	KR100701896B1		
外部链接	Espacenet		

摘要(译)

本发明涉及一种能够防止在长期使用高温高湿使用环境中产生的金属布线腐蚀的液晶显示装置。根据本发明的液晶显示装置包括栅极线和连接在焊盘部分上形成的驱动电路部分之间的半导体图案：位于基板上的非显示区域中的基板，用于液晶显示器的数据线之间制备液晶像素单元的器件，焊盘部分和驱动电路部分。

