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(51) . Int. Cl.<sup>7</sup>  
G02F 1/1345

(11)  
(43)

2003-0054937  
2003 07 02

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

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(72) 161 LGPhilipsLCD

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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  
 <                      >  
 1,51 :        2,52 :  
 4,54 :              20,70 :  
 24,28,90,92 :        26,30 :  
 32,82 :        34,84 :  
 60 :

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 (Liquid Crystal Display; LCD)

(Printed Circuit Board : 'PCB')			(Integrated Circuit : 'IC')	PCB	IC
Automated Bonding : 'TAB'			. IC (Chip On Glass : 'COG')		(Tape A)
COG (20)	1 (4a,4b)	2	(2a,2b), (14)	(14), (22)	(14) 1
Pixel Matrix			(20)	(22)	(22) (10)
			(12)	(12), (20)	
					(18) (16)
1    2 (20)	1 (34)	(2a,2b) (6)	(2a) (24) (26a) 2	(18) (20) (24)	가 (2b) (24) (20)
			(2b)		(14) (6) (24)
			(26b)		

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

2  
 2  
 , 6 11  
 6 1  
 6 , 1 COG (72) 1 2  
 (54a,54b)  
 1 2 (54a,54b) ( )  
 1 (54a) 1 (DL2,DL4,...,DLm) 7 (DL2,D  
 L4,...,DLm) (54a) (54a) (56) 1 (56) 1  
 (54a) 1 (80a) (90) (90) (84)  
 2 (80b) (72) (72) (84)  
 2 (54b) 2 (DL1,DL3,...,DL(n-1)) 8 (DL  
 1,DL3,...,DL(n-1)) (54b) 2 (54b) (58) 2 (58)  
 (54b) 1 (80a) (80b) (90) (90)  
 (82) (84) 2 (84) (72) (72) (90)  
 1 (SCL) 1 (80a) (SCL) 2 (80b) (60)  
 (SCL) , (60) (90) (90) (60)  
 IZO' ) - - (Indium-Tin-Oxide : 'ITO'), (Indium-Zinc-Oxide :  
 (90) (51) (51) (SCL) 'ITZO' )  
 (90) (72) (SCL)  
 1 1 2 1 2  
 ,  
 9 2 COG 1 2  
 9 , 1 2 (52a,52b) ( )  
 1 (52a) 1 (GL1,GL3,...,GL(m-1)) , 10 (GL  
 1,GL3,...,GL(m-1)) (52a) (52a) 1 (92) , 1  
 1 (92) (82) (84) (92) (76b) (76b) (7)  
 0  
 2 (52b) 2 (GL2,GL4,...,GLm) 2 (GL2,G  
 L4,...,GLm) (52b) (52b) 2 (96) 11 (52b)  
 2 (96) (82) (84) (82) (84) (76a) (96)  
 (90) (72) (90) (82) (84) (76b) (76b) (90)

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

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

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

1 2 1 2 (52a,52b) . , 1 2

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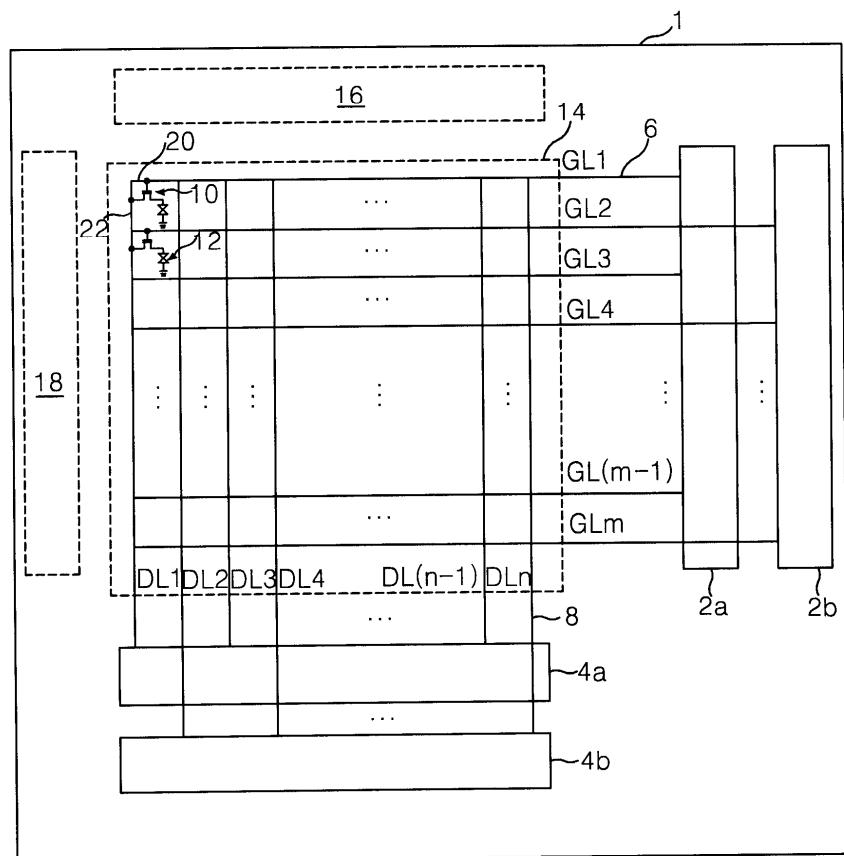
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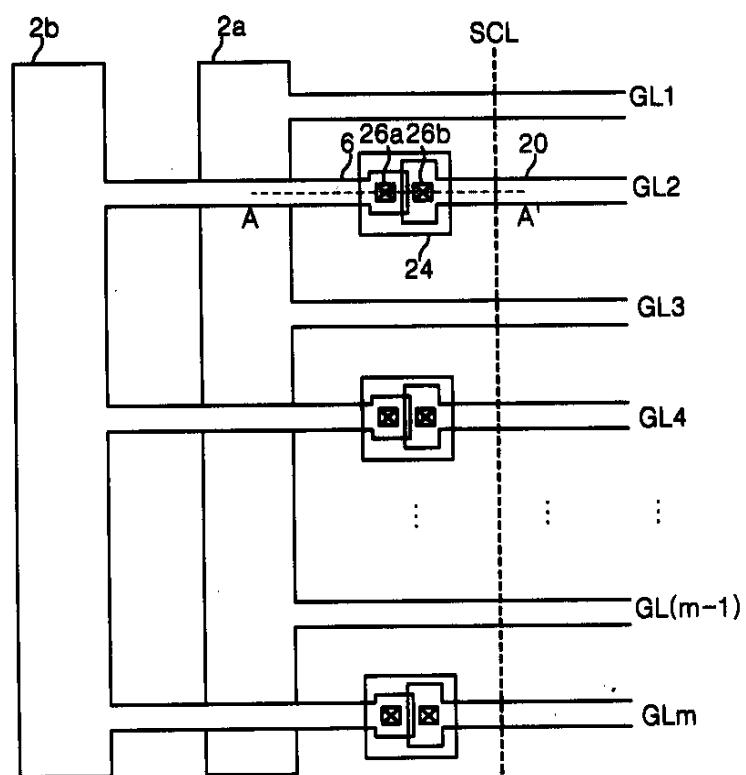
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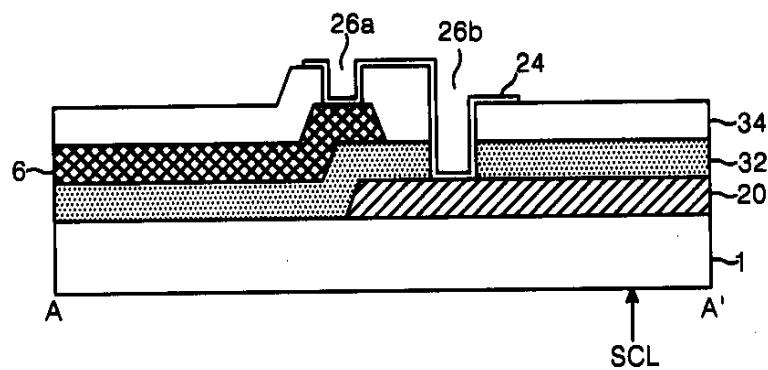
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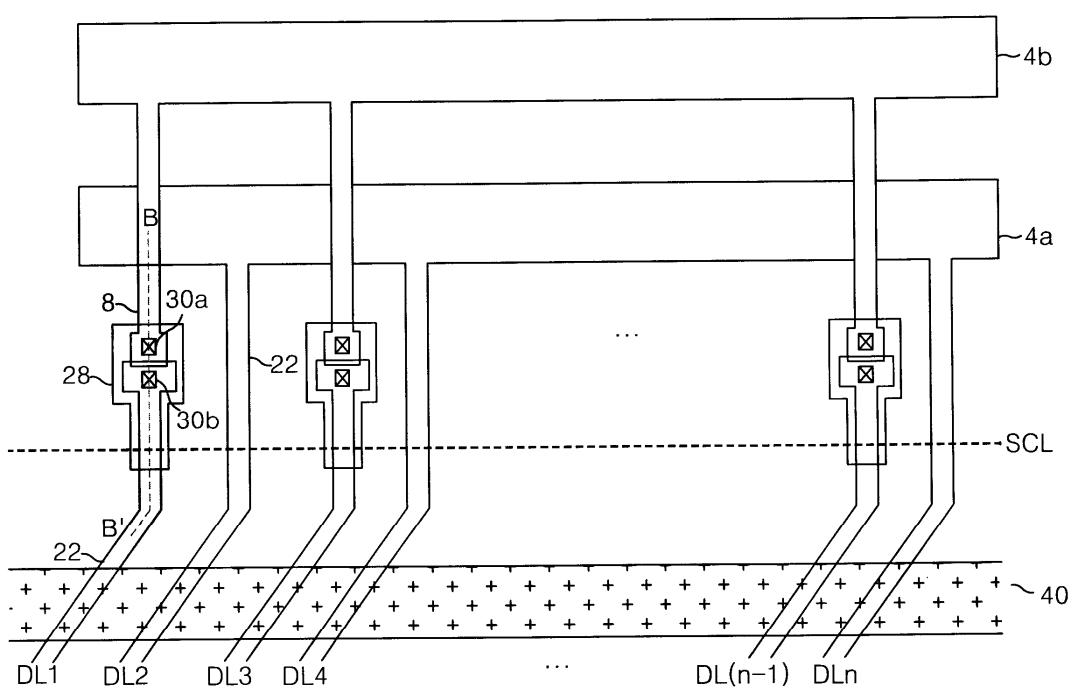
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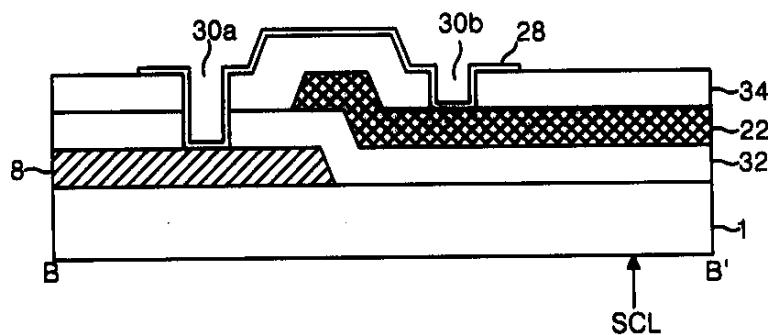
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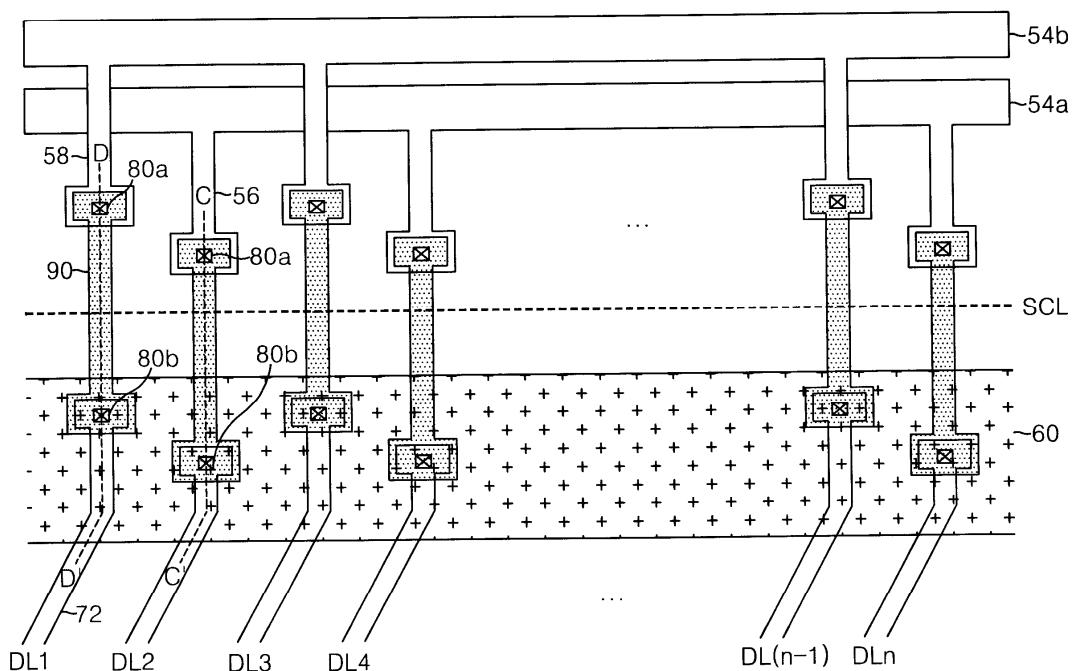
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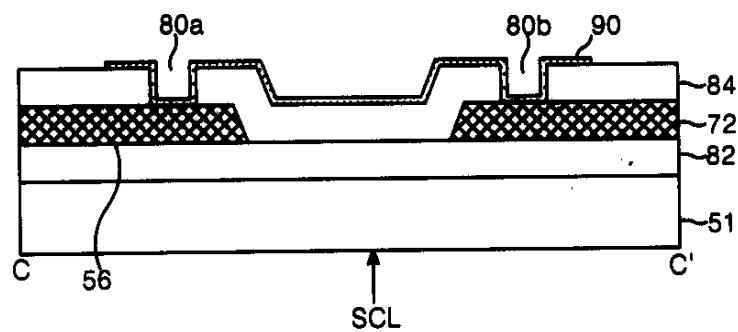
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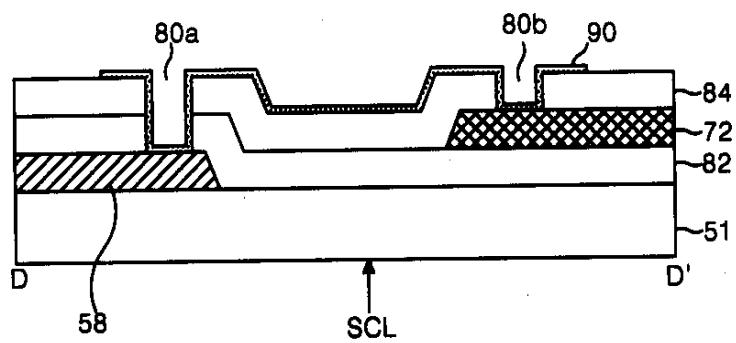
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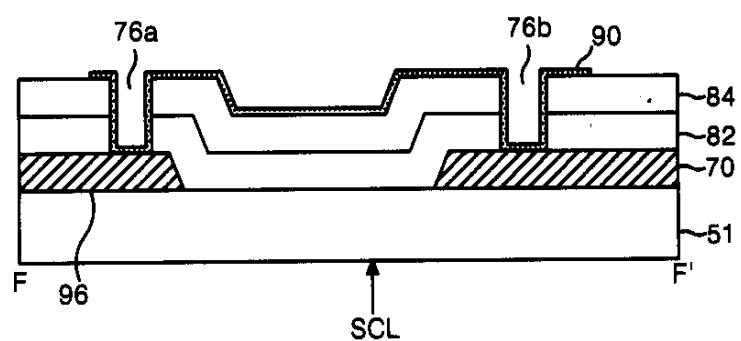
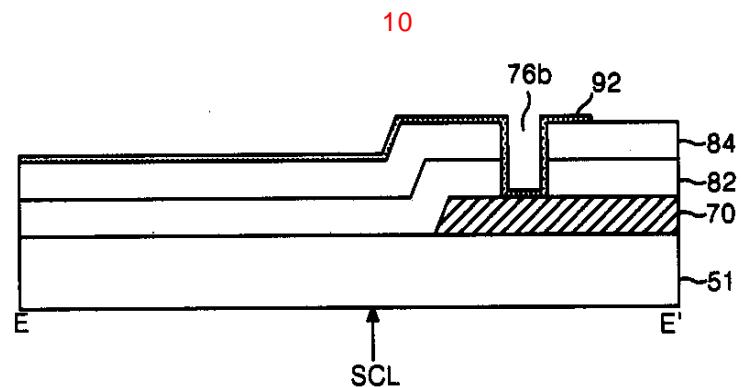
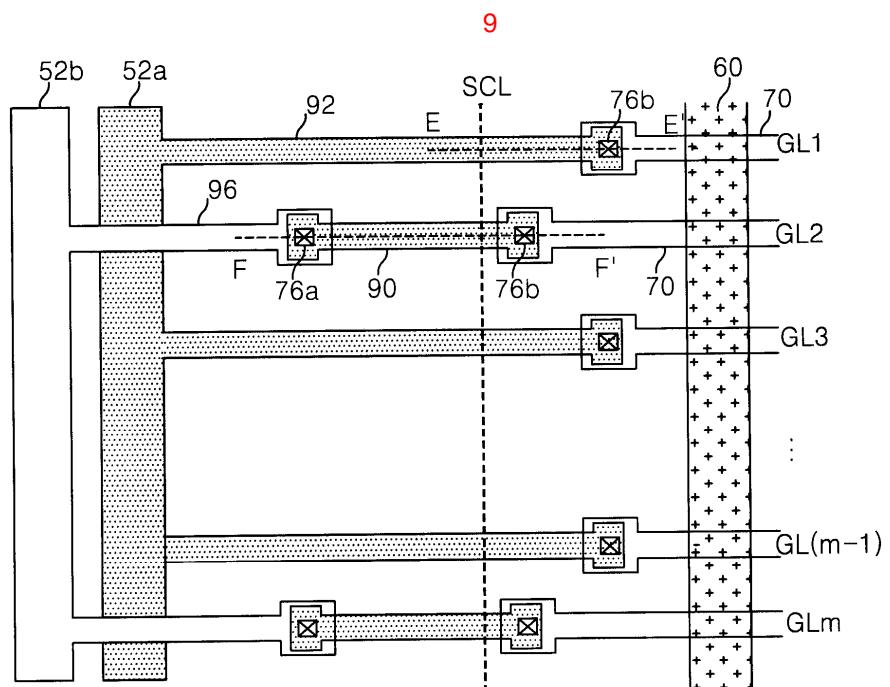


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专利名称(译)	液晶显示器		
公开(公告)号	<a href="#">KR1020030054937A</a>	公开(公告)日	2003-07-02
申请号	KR1020010085371	申请日	2001-12-26
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	JEON JAEYOUNG 전재영		
发明人	전재영		
IPC分类号	G02F1/1362 G02F1/1345 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	<a href="#">Espacenet</a>		

### 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。

