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10-2004-0017923
2004 03 02

(21) 10-2002-0049859
(22) 2002 08 22

(71) . 20

(72) 914 405

1145 638 1303

(74)

:

(54)

가

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4a

1

2

3a

3b

1

4a 4b 2

5 3

6 4

*** ***

105,305: 110,310:

115,215,315,415: 120,320:

125,525: 130,330:

140,340:

가

(Flat Panel Display)

(TFT -LCD)

1990

CRT(cathode ray tube)

가

가

(Thin-Film-Transistor; TFT)가

1

(105)가 (120) (gate line; 110) (data line; 120)
 (105)가 (120) 가 (110) (120)
 (105)가 (turn-on) (drain) (140) (110) 가 (source) (130)
 (105)가 (120) 가 (110) 가
 (110) (125) (115) (120)
 () (110) (115) (120)

1 (105), (115), (125) 가 (aperture ratio)
 - (TFT-Array) (back light)
 가 (black matrix) (120) (120) (overlap)

,
 2
 $)_{n+1}$ (130) (215) . n (115) 가 n (115) (10)
5) . (110) .

,
. (120) . , 2 (115, 215) (120)
. (115, 215) 가 . (120)

,
5, 215) (120) (C_{dp}) (115, 215) 가 (120) (11
. .

2
(115) (120) S₁ n+1 (105) (215) S₂ 가 (120) n .

,
, (120) (115,215) 가
가 .

/ 가 .

/ (on/off) .

가 .

;

;

가

가

가

가

가

1

1

2

가 가 가

$$C_{dp} = S/t$$

C_{dp} , S, t, 2

S_1, S_2

n, n+1

3 가 6 (310), (315, 415) (305)
) (315, 415) (320)

S_1', S_2', S_1, S_2

S_1, S_1', n 가 $S_2, S_2', n+1$
 S_1, S_2 가 S_2, S_1 (d1, d2)

3a 3b 1

3a d_1, d_2, n S_1, S_2 (315), S_1' 가 (315) 가
 $S_1' = S_2$ 가 . A 가

n S_1 가

3b $d_1, d_2, n+1$ (415), S_1, S_2 (415) (315, 415) . n S

2 가 S₁ B 가 가 , S₁ = S₂' 가
 (415)
 (315, 415) (320) 가
 1 가 (315, 415)
 4a 4b 2
 2
 4a d₁ d₂ S₁ S₂ , n (315),
 (315) (305) (320) (330) (320) n (315)
) S₁ 가 S₂ n+1 (415),
 n (315) C , S₁' = S₂ 가 (415) 가
 4b d₁ d₂ S₁ S₂ , n+1 (415),
 (415) (320) (taper) , S₂ S₁
 . D , S₁ = S₂' 가
 (315, 415) (320)
 가
 3 5
 5 (525)
 가 (Cs) (525) (315, 415) (315, 415) (525)
 (315, 415) (525) (315, 415) (310)
 (315) E' E , n+1 n S₁ S₂ (315),
 (415) 가 가 5 (415),
 d₂ S₁ S₂ n (315) 가 1 d₁
 (500) n+1 (415) 3 2 S₁' = S₂' (510) 가
 1 2
 4 6
 4 1 2
 d₁ d₂ S₁ S₂ , n (315) , (315)
 (330) S₁ S₁ 가 , n+1 (415),
 (415) (320) S₂ (315),
 (315) F' F 가 , n+1 (415),
 (415) 가 4 S₁' = S₂' 1 가

(315, 415) (320)
S₁ S₂

가

/

가

(57)

1.

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;

2.

1

가

3.

1

가

4.

1

5.

1

가

6.

1

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1

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1

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2

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7.

6

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8.

6

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9.

1

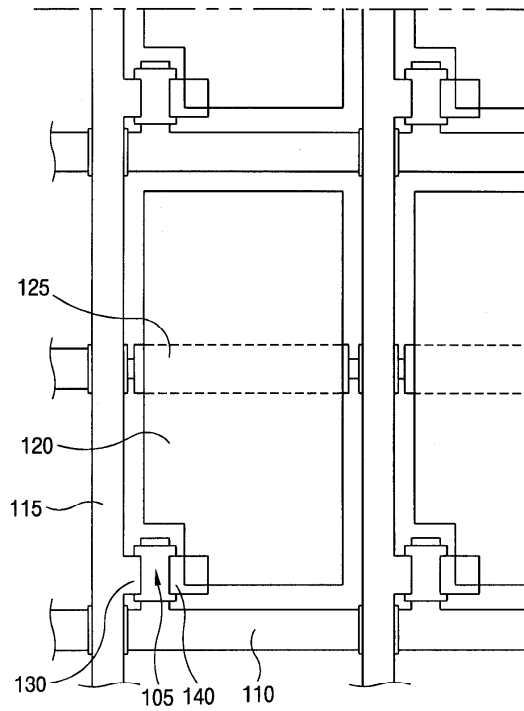
,

가

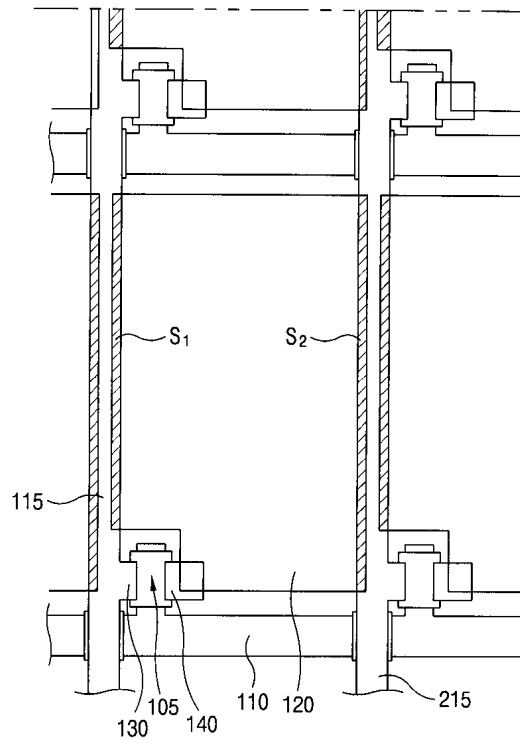
가

,

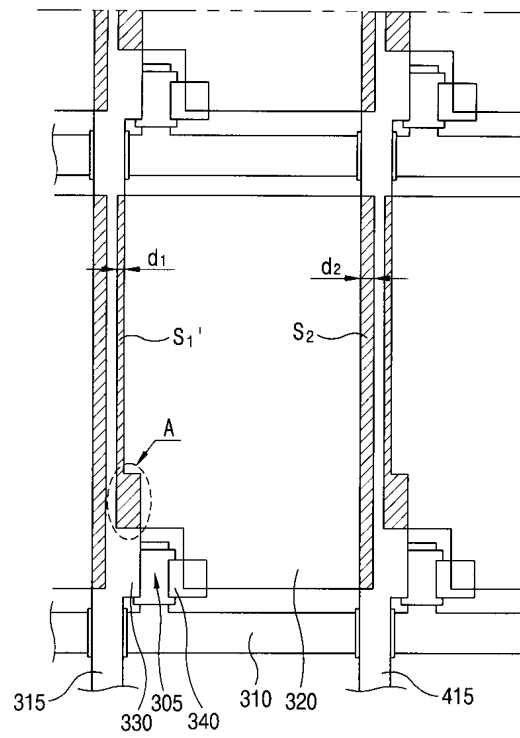
1



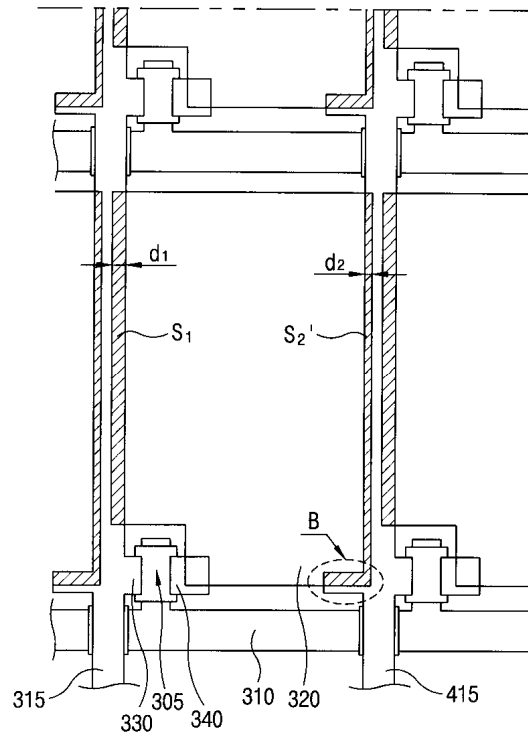
2



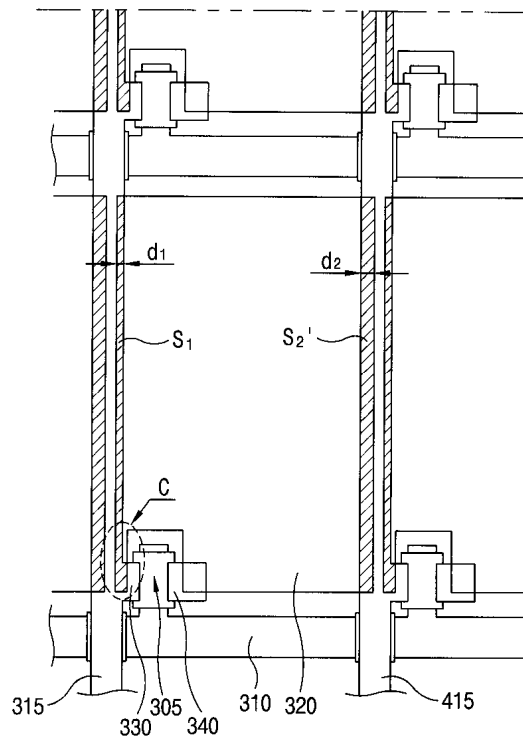
3a



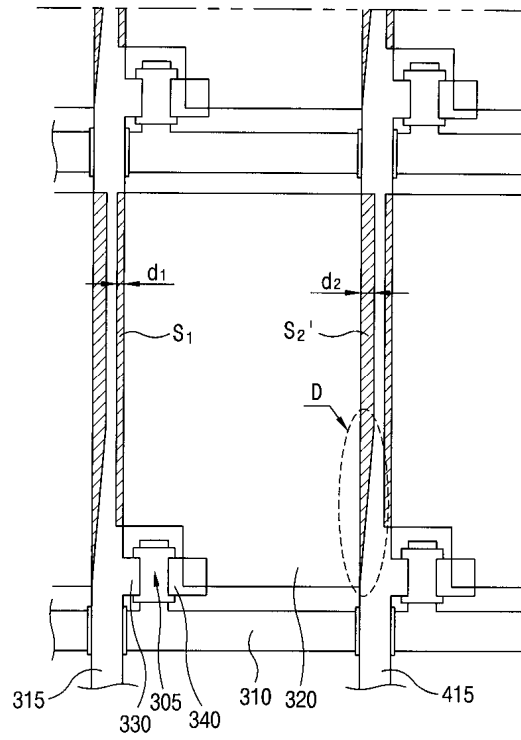
3b



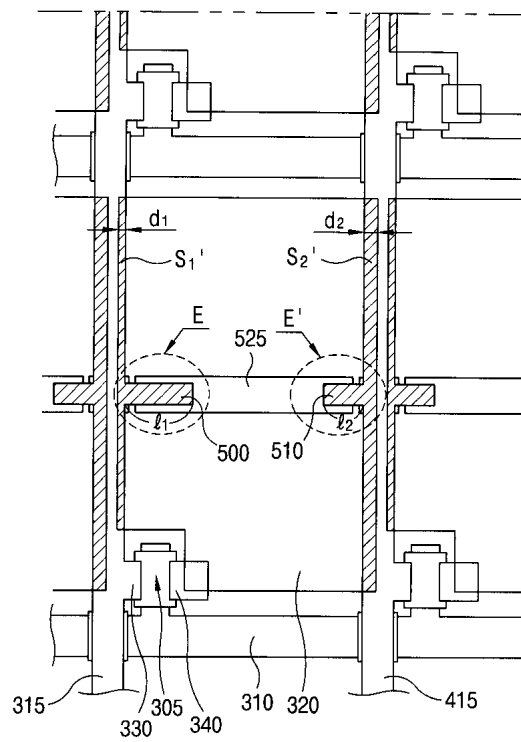
4a



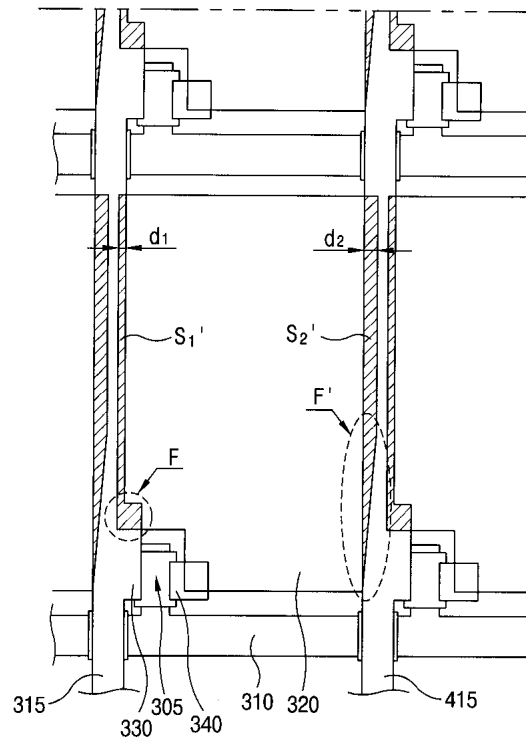
4b



5



6



专利名称(译)	液晶显示面板		
公开(公告)号	KR1020040017923A	公开(公告)日	2004-03-02
申请号	KR1020020049859	申请日	2002-08-22
[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	CHANG YOUNGYOUNG 장윤경 KIM WOONGKWON 김응권		
发明人	장윤경 김응권		
IPC分类号	G02F1/1362 G02F1/136		
CPC分类号	G02F1/1362		
代理人(译)	PARK , JANG WON		
其他公开文献	KR100675626B1		
外部链接	Espacenet		

摘要(译)

目的：提供一种液晶显示面板，用于修改数据线或像素电极的结构，以均衡像素右侧和左侧的寄生电容，从而防止在打开/关闭开关元件时漏光。

