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(21) 10 - 2000 - 0072279
 (22) 2000 12 01

(71) 136 - 1

(72) 304 - 7

123 609 505

가 1 3 206

9 207 602

(74)

(54)

FFS , FFS 2 가 .
 DC FFS 1st ITO 2 Vdd 가 가 , 2nd ITO Vdd 가
 가 , FFS 2 DC 가 , DC

1 FFS ,
 2 FFS ,
 3 FFS ,
 4 FFS .

* *

2: , 4,4': 1 ,
 6,6': , 8: 2 ,
 10: , 12: .

FFS , , ,

FFS

, (LCD; Liquid Crystal Display),
 PC ,
 . (CRT)

, (Pattern) 가

TN
 Field Switching) IPS(InPlane Switching) FFS(Fringe
 .
 LCD 가 DC TN
 . (Inplane Switching) 가

1 FFS

, (2) ITO (Vcom; 4) , (6)
 (Vdd; 8) (6)

2 FFS
 , (8) (0) DC
 , 12

, DC
 , 가

, FFS 2
 가 가 DC
 FFS

, 2nd ITO Vdd 가 가 , FFS 2
 , 1st ITO Vdd 가 가
 가 FFS

, 1st ITO , 1st ITO , 1
 1st ITO 2 1st ITO , 1st ITO , 1
 2nd ITO , 1st ITO , 1
 1st ITO

, 1st ITO , 1st ITO 가 , 2
 2 1st ITO 2 2nd ITO , 1
 ITO TFT 1st ITO

, 1st ITO , 2nd ITO
 , FFS 가
 , 1st ITO

, ,
 ,
 , A (8) (8) (Vdd) (Vdd) , A, B
) ITO (4') 가 , Vcom , (B

	(A, B)	가	가	(8)
		DC		
		3	FFS	
ITO	Vcom	ITO (4, 4') (Common Line)	Vdd	(8) (A, B)
, , 2 ITO (8)	(A) 2 ITO	(6') Vcom	ITO(4, 4') 가	(Hole) 1 ITO (4') Vdd
(4) (B)				
		가	ITO	가
		0		
4		FFS		
, Vcom (10)	2nd ITO(8)	1st ITO (4) (TFT) 가	2nd ITO (8) (TFT)	
		1st ITO(4')		
, 1st ITO(4, 4') (6')	2nd ITO(8)	(6') (Hole)		
가 FFS 2nd ITO(8)		1st ITO (4') (Vdd) 가		(TFT) 가
		FFS		
, 1 ITO (4, 4') Vcom	ITO (4, 4') (Common Line)	Vdd	(8) (A, B) ITO	
, , 2 ITO (8)	(A) 2 ITO	(6') Vcom	ITO(4, 4') 가	(Hole) 1 ITO (4') Vdd (B)
Vcom				
		가	ITO	가
		0		
		FFS		

, FFS , FFS
 , DC 2
 , DC 가

(57)

1.

FFS 2 , 2nd ITO Vdd가 가 ,
 1st ITO Vdd가 가
 FFS

2.

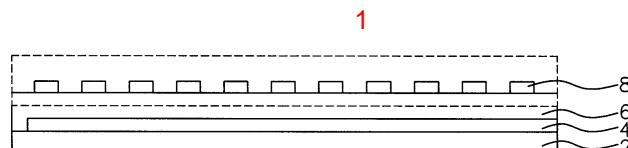
1 , , 1st ITO , ,
 1 2 , 1st ITO 2 2 , 1st ITO , , 1 ITO TFT
 2 , 1st ITO , , FFS

3.

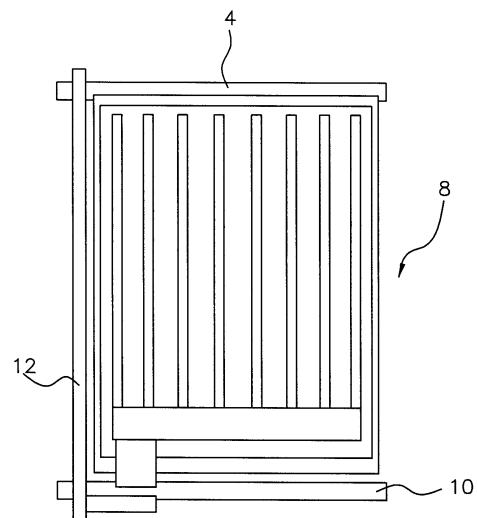
1 , , 1st ITO , ,
 , 1 2 1st ITO 가 1st ITO , , 2 2 , 1st ITO , , 1 ITO TFT
 ITO TFT 2 1st ITO 2 2nd ITO 1st ITO , , FFS

4.

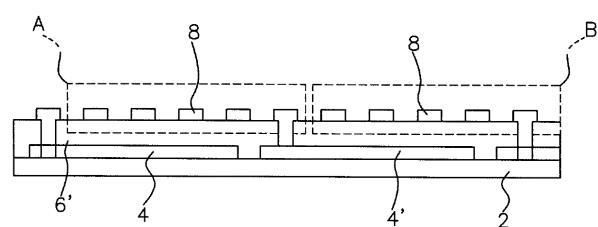
1 , , 1st ITO , , 2nd ITO
 , 1st ITO FFS
 가



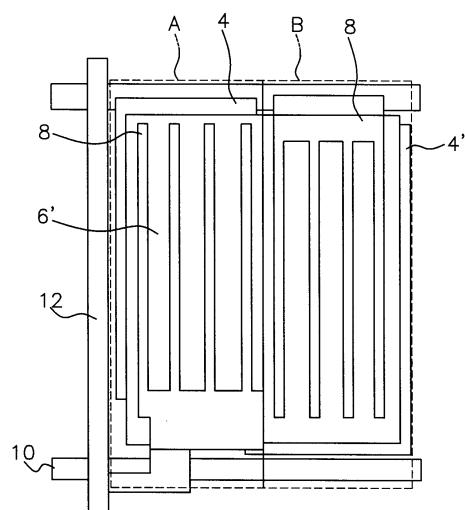
2



3



4



专利名称(译)	F-FES模式的薄膜液晶显示器用于改善屏幕特性		
公开(公告)号	KR1020020042920A	公开(公告)日	2002-06-08
申请号	KR1020000072279	申请日	2000-12-01
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当前申请(专利权)人(译)	하이디스테크놀로지주식회사		
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IPC分类号	G02F1/1368 G02F1/136 G02F1/1343 G09F9/30 G02F1/1337 H04N5/66 G09F9/35		
CPC分类号	G02F1/134363		
其他公开文献	KR100713882B1		
外部链接	Espacenet		

摘要(译)

用途：提供具有改进图像特性的FFS模式薄膜液晶显示器，以消除由剩余DC电压引起的图像残留，从而改善对比度和图像质量。

