

electric anisotropy) , (negative dielectric anisotropy) (matrix)가 , (do main) (switching element) 가 , .

" (vertically aligned effect) (homeotropic effect) (organizer) TFT - LCD , AM - LCD . non - local) , (picture electrode) (gap) (local) ((protrusion) (domain) . (after image) . (,) , .

, (after image) . , 가 가 . (0) (nematic) (active) . , 가 / (tilting movement) (1) (twist). (retwisting) 1 .

가 가 , (counter electrode) . , 가 , 가 . , " 가 " () , , () , (coupling) .

가

가

1

2

3a, 3b 4a 4b

5

;

1

가

(1)

가

(row) (17) (column) (18)
(data register) (5) (16) 가 (column electrode) (10)
(16) (5) (8) (drive line) (7)

(16) (20) (17) (21)
(TFT) (19) ((6)
(TFT) (22) (18)
()

1

(21)

(23)

;

(가)

가

(picture deviation)

(17')

2

3

(2)

2

III - III

,

()

(3,4)

, (ITO

)

(30)

(orient)

(orien

(31)
tation layer) (32)

가,

(

)

(

(ape

rture) (24)

(crossed)

(

). (

"

" (wide viewing angle)

(24)

(25) (3b)

가

0 가 , ((27)) () .

, (tilt) 가 가 ((27))
 (4). (10msec). ,
 (normal) (abnormal)
 " " (fringing field)
 .(" ")

가 () " (image rete
 ntion) (가). (4 (28))
 ((27)) .(
 1 ,)

, (reset pulse)(,
) .

, 가 , 가
 () .

5 (12a, 12b, 12c, 12d, 12e)(5) 가 가 , (12
 a) , (column electrode) .

, ()
 가 () . (brightness)
 (, artefact) . 1 , ,
 (17) 가 , ()
 capacitive kick back effect) , (20)
 (17) ,

, (31) (12)

1 , (23) (22)

, (block sequential reset) 가 .

2 (chevron) , X , (
)Y , 가 .

(element)

가

가

(57)

1.

(negative dielectric anisotropy)

(switching element) (matrix)가 (domain) (reset voltage) 가

2.

1 가 가

3.

1 가 가

4.

3 가 가

5.

1 가 가

6.

5 가 (counter electrode) 가

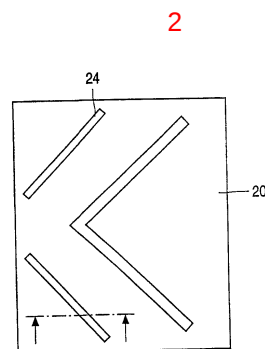
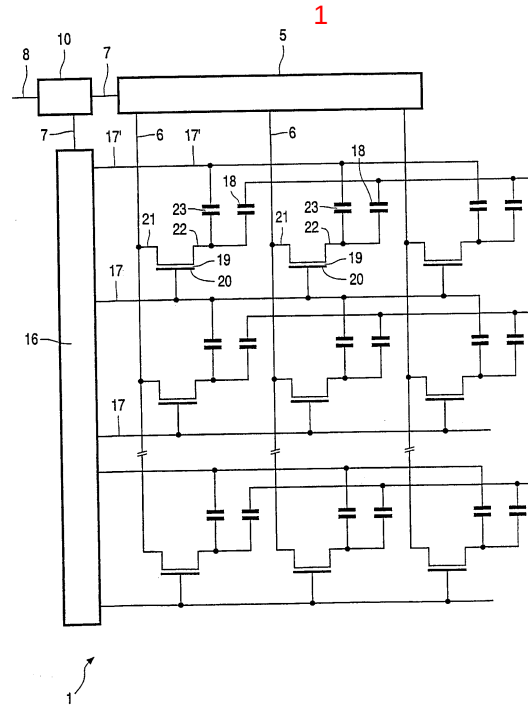
7.

6 가 가

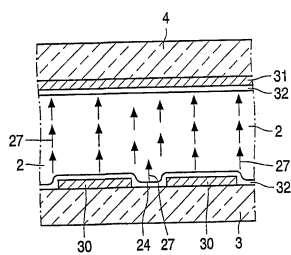
8.

6 , 가
가 , .

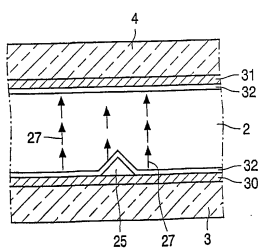
(adjacent)



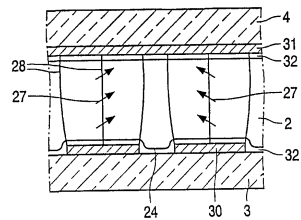
3a



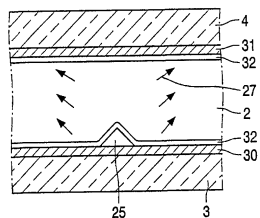
3b



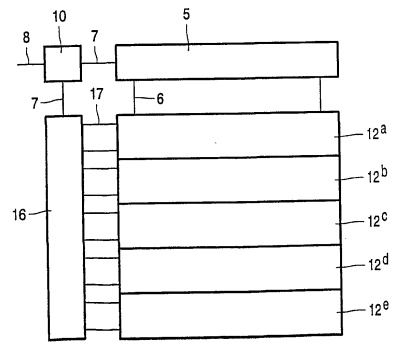
4a



4b



5



专利名称(译)	显示设备		
公开(公告)号	KR1020020095200A	公开(公告)日	2002-12-20
申请号	KR1020027012880	申请日	2002-01-29
[标]申请(专利权)人(译)	皇家飞利浦电子股份有限公司		
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当前申请(专利权)人(译)	科宁欣克利凯恩菲利普斯日元.V.		
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IPC分类号	G02F1/139 G02F1/133 G02F1/1333 G09G3/20 G09G3/36		
CPC分类号	G02F1/133707 G02F1/1393 G09G3/3655 G09G3/3659 G09G2300/0876 G09G2310/061 G09G2310/062 G09G2320/02 G09G2320/0257		
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优先权	2001200383 2001-02-02 EP		
外部链接	Espacenet		

摘要(译)

由于它在向列LCD的多个域像素中被扭曲而导致图像保持并且垂直地布置在液晶分子中，因此操作的影响将LCD电压降低到亚临界的复位脉冲被授权它被减少。可以使用多种复位方法（多个对电极，来自列驱动器的复位，直接块复位以及通过存储电容线的复位）。

