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2004 06 23

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(65)
(43)

10-2002-0090409
2002 12 05

(73) .
20

(72) 1 957-5 2 201

(74)
:

(54) 가

(Motion Blurring)

가

가

가

,

6

1a
1b
1c
2
3a
3b
4
5a
5b
6
7

6

가
가

가

/

가

8 1 가
 9 2 가
 10 3 가
 < >
 61 : 62 :
 63 : 64 :
 65 : 66 :
 80,90,101 : 81,85,89,91,98,102,108 :
 83,87,93,96,104,106 :
 82,84,86,88,92,94,95,97,103,105,107 :

(Motion Blurring)
 가 ,
 (Active Matrix) (Thin Film Transisto
 r : 'TFT') 가 가
 (Personal Computer) (Note Book Computer)
 ,
 (Motion Blurring) (Cathode Ray Tube : , 'CRT')
 60Hz , 1/60 1a 1b 16.7 ms . CRT 1a
 (Pause in
 terval) (Motion blurring) 1c
 CRT , 2 (Vgh) 가 가
 , , CRT
 IBM(International Business Machine) 3a (Back light) 3b
 가 4
 가 가 가
 Sharp 5a 5b 가 가
 가 , 가 ,
 가 , 60Hz 120Hz 가
 /

가

가

가

가

1

2 가

가

가

가 1 가 2 가

가 1 가 2

6 6 14
 (60) (DL) (63)
 (62) (60) (64) (60) (62)
 (62) (Vr) (66) (65) (61) (GL)
 (63) (65) (61) (GL)
 (DL) (60) (GL) TFT가 (DL) TFT (DL) (GL)
 가 (Clc) (DL) 가 TFT (Clc)
 (61) (R), (G) (B)
 (H,V) (Dclk) (62) (GSP) (61) /
 (63) (Dclk) (62) (62) (62) (GSP)
 / (63) (61) (65) (66)
 (62) (61) 6 (R), (G) (B)
 (Dclk) (62) (Dclk) (Vr)
 (B) (62) (Vr) (DL) (GSP) 7
 1 (63) (61) TFT /
 (DL) (63) 가 (Clc) (Vr)
 (64) (60) 가 (60)
 (66) (62) (60)
 (66) 가 (60) (60)

(65) (61) (66) ,
 (65) 7 (60) (Sut_data)
 가
 8 10
 8 , 1 가 (85)
 (82,84) (83) (84) (85)
 (82) (81) , , TFT,
 (86,88) (87) (86,88) (87)
 (Sut_data)가 (86,88) (88) (89) (61) (86) (85)
 (84) (86) (83,
 87) (81,85,89) 90 ° TN (82) (81) P 가
 , (85) S
 가 (89) P 가 (80)가 가
 (61) (Sut_data) 가 (S
 ut_data)
 / , , ,
 , , TFT가 , TFT
 / , (Seal) / , 가
 (Tape Carrier Package : , 'TCP')
 TCP (Tape Automated Bonding)
 (Chip On Glass ; COG)
 (Sut_data)가 (Indium Tin Oxide)
 / , / ,
 , (85)
 9 , 2 가
 (92,94) (93) (94) (92)
 (91) , , TFT,
 (95,97) (96) (95,97) (96)
 (Sut_data)가 (95,97) (97) (98) (61) (95)
 (94) (95)
 (91,98) 90 ° TN (93) P S (92) (91) P S (93,96)
 , 가 P

(97) (98) P

가 (61) 가 (90)가 (가 (S

ut_data) , , / , 1 , ,

10 , 3 가 (105)

(105) 가 (105) (103) (104) (105)

(102) , (105) , TFT, (103)

(105) (107) (105) (106) (107) (107)

(105) (106) (61) (Sut_data)가 (105)

(107) (108) (101)가 가

(102,108) 가 (61) (Sut_data) 가 (S

ut_data) , , / , 1 , ,

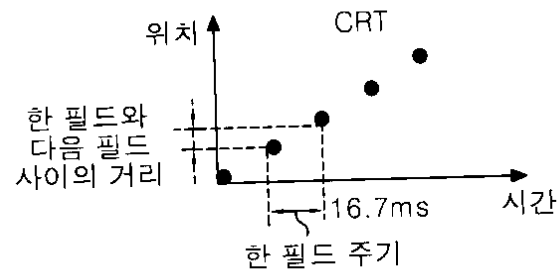
가

가

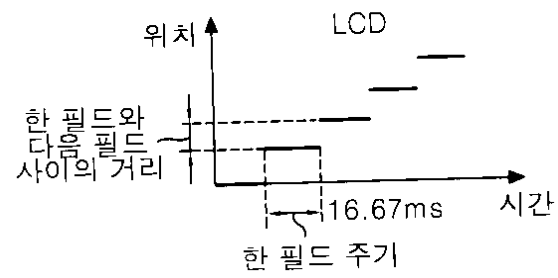
- (57)
1. ,
 2. 가
 3. 가

- 가 .
4. 1 , 가 .
5. 1 , 가
6. 1 , 가
7. ,
8. 7 , 가
9. 7 , - 가 1 - 2
10. 7 , 가
11. 10 , 가
12. 9 , 가 1 가 2 가
13. , ;
14. 13 , 1 가 2 가

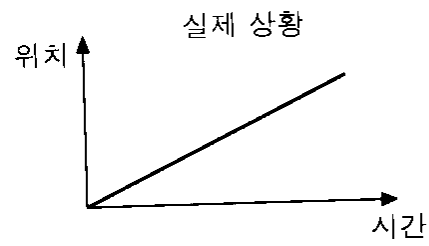
1a



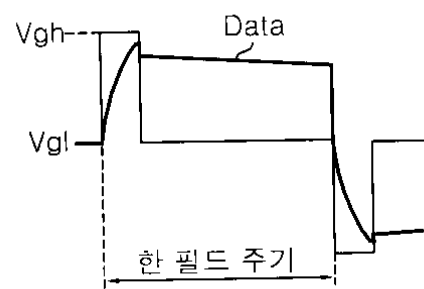
1b



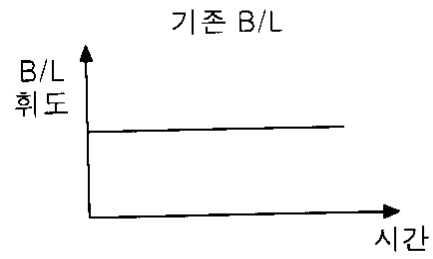
1c



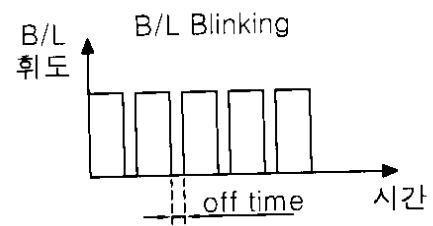
2



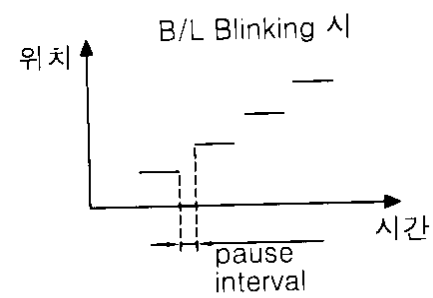
3a



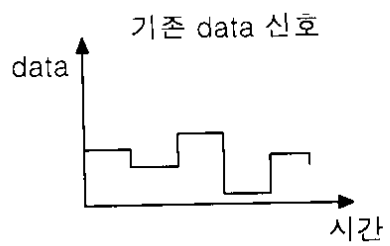
3b



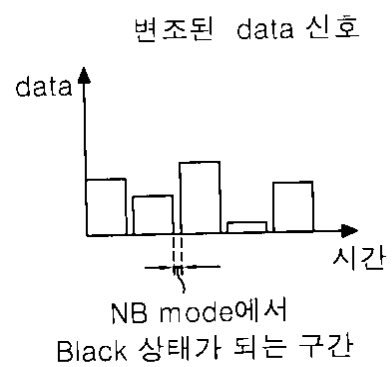
4



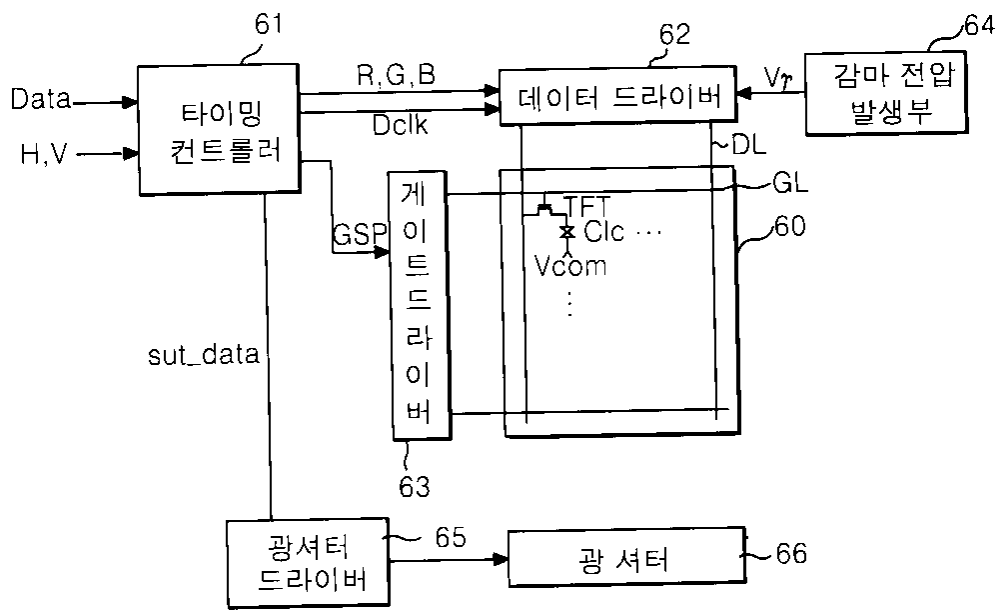
5a



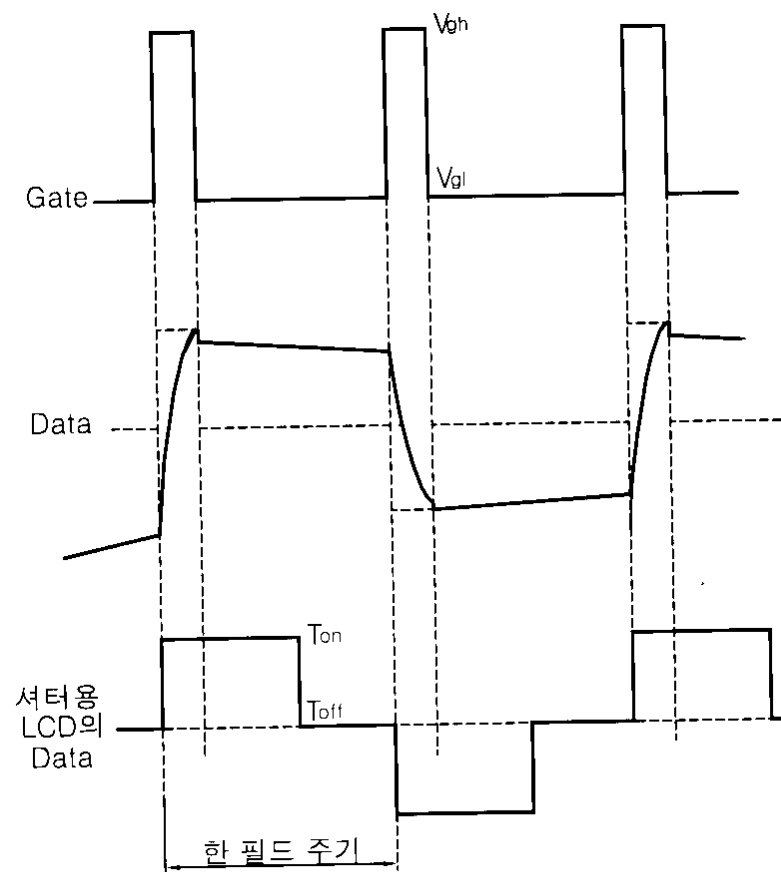
5b

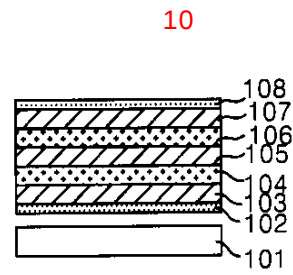
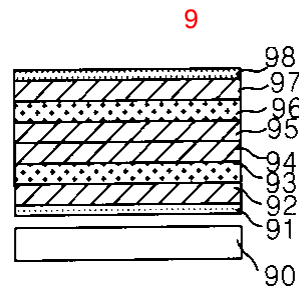
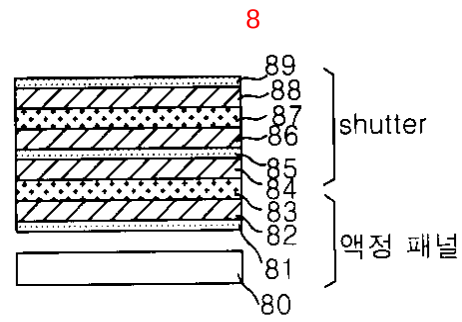


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7





专利名称(译)	具有光学快门的液晶显示装置，驱动装置及其方法		
公开(公告)号	KR100438521B1	公开(公告)日	2004-07-03
申请号	KR1020010028907	申请日	2001-05-25
[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	HAM YOUNGSUNG		
发明人	HAM,YOUNGSUNG		
IPC分类号	G02F1/1335 G09G3/34 G09G3/36 G02F1/1347 H04N5/66 G02B5/30 G09G3/20 G02F1/13357 G02F1/13 G02F1/133 G02F1/1343		
CPC分类号	G09G3/3648 G09G3/36 H04N5/66 G09G2320/0261		
代理人(译)	KIM , YOUNG HO		
其他公开文献	KR1020020090409A		
外部链接	Espacenet		

摘要(译)

本发明涉及具有光闸的液晶显示器，该光闸提高了显示质量，在动画指示中去除了所产生的运动毛刺（运动模糊）。具有根据本发明的光闸的液晶显示器包括液晶面板的液晶单元中的数据电压，表示在液晶面板上形成有光闸和液晶面板的图像。在所提供的时间段内，在来自液晶面板的液晶面板的液晶单元中保持数据电压的停留期间中，来自液晶面板的光闸门阻挡光被穿透。

