

(19)
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2002 - 0090409
2002 12 05

(21) 10 - 2001 - 0028907
(22) 2001 05 25

(71) . 20

(72) 1 957 - 5 2 201

(74)
:

(54) 가

(Motion Blurring)

가

가

6

1a

1b

1c

2

3a 가

3b 가

4

5a 가

5b /

6 가

7 6

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 :

가 , (Motion Blurring)

or : (Active Matrix) (Thin Film Transist
" TFT") 가 가
(Personal Computer) (Note Book Computer)

(Motion Blurring)

1a 1b

(Cathode Ray Tube : , " CRT")

60Hz , 1/60

16.7 ms . CRT 1a

terval)

CRT

(Motion blurring) 1c

(Pause in

2

(Vgh)

가

가

, CRT

IBM(International Business Machine)

3a

(Back light)

3b

4

가

가 가

가

가

Sharp

5a

5b

가

가

/

가

, 60Hz

120Hz

가

가

가

1 - 2 가

가 가 가 1 가 2

6 14

6 (62) (60) (60) (DL) (63) (62) (Vr) (66) (66) (64) (60) (65) (62) (63) (65) (61)

(DL) (60) (DL) (GL) (DL) (GL) (DL) (DL) (Clc) (DL) TFT가 TFT (DL) (GL) (Clc)

(61) (H,V) (63) (Dclk) (63) (Dclk) (61) (GSP) (62) (65) (R), (G) (B) (61) / (62) (GS) (66)

(62) (Dclk) (61) 6 (62) (R), (G) (B) (Dclk) (R), (G)

(B) (Vr) .

1 (62) (Vr) (DL) .

(63) (61) (GSP) 7

(DL) 가 (63) TFT / (Clc)

(64) (60) (Vr) (62)

(66) (60) (60) 가 (60)

(66) 가 (60)

(65) (61) (66) 가 (60) (Sut_data)

(65) 7

가

8 10

8 , 1 가 (85)

(82,84) (83) (84) (85)

(82) (81) , TFT,

(86,88) (87) (86,88) (87) (86,88) (87) (86) (85)

(Sut_data)가 (88) (89) (84) (86) (86) (85)

(81,85,89) (83, 가

87) 90° TN (82) (81) P

(89) P (85) S

가 가 (80)가 가 (Sut_data) 가 (Sut_data)

가 (61) 가 (80)가 (Sut_data) 가 (Sut_data)

data)

/ , . , , ,
 , , TFT가 , TFT
 eal) / , , (S
 (Tape Carrier Package : , " TCP") 가
 TCP (Tape Automated Bonding)
 (Chip On Glass ; COG)
 (Sut_data)가 (Indium Tin Oxide)
 / , / , ,
 , (85)
 9 , 2 가
 (92,94) (93) (94) ,
 (91) , , , TFT, (92)
 (95,97) (96) , (95,97) (96)
 (Sut_data)가 (95,97) (97) (98) (61)
 (94) (95) (95)
 (91,98) , (93,96)
 90 ° TN (93) P S (92) (91) P S 가
 (97) (98) P S P

가 (61) 가 , (90)가 가 .
(Sut_data) (Sut_data)가 , (Sut_data)
data) . ,

, , / , 1 . ,

10 , 3 가 (105)
가 . 가 (105)
(105) 가 , .

, (105) (103) (104) . (105)
(102) , (105) , (103) TFT,

, (107) (105) (105) (106) . (107) (107)
5) (107) (108) (61) (Sut_data)가 . (10)

(102,108) .
가 (61) 가 , (101)가 가 .
data) (Sut_data) (Sut_data)가 , (Sut_data)

, , / , 1 . ,

, 가 . ,

가

(57)

1.

가

2.

1

가

3.

1

가

가

4.

1

가

5.

1

가

6.

1

가

가

7.

가

8.

7

가

9.

7

1

2

가

가

10.

7

가

11.

10

가

가

12.

11

가

2

가

가

가

1

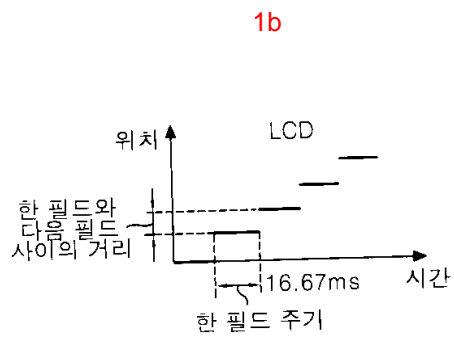
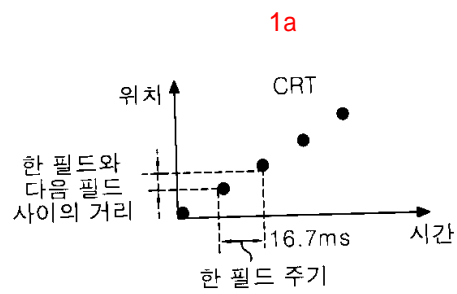
가

13.

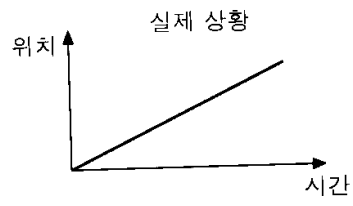
14.

13

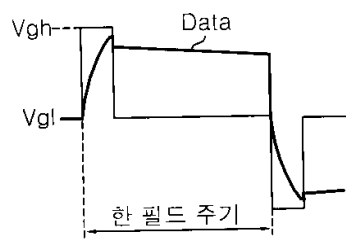
가 가 가 1 가 2 가
가 가 가



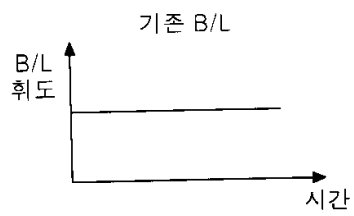
1c



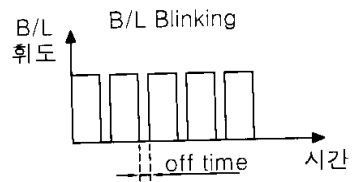
2



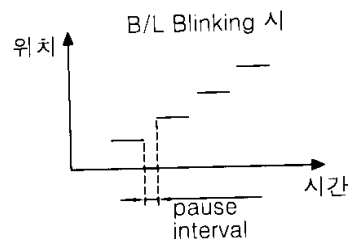
3a



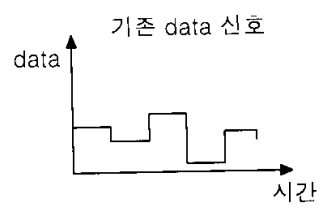
3b



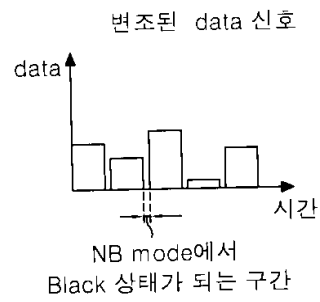
4



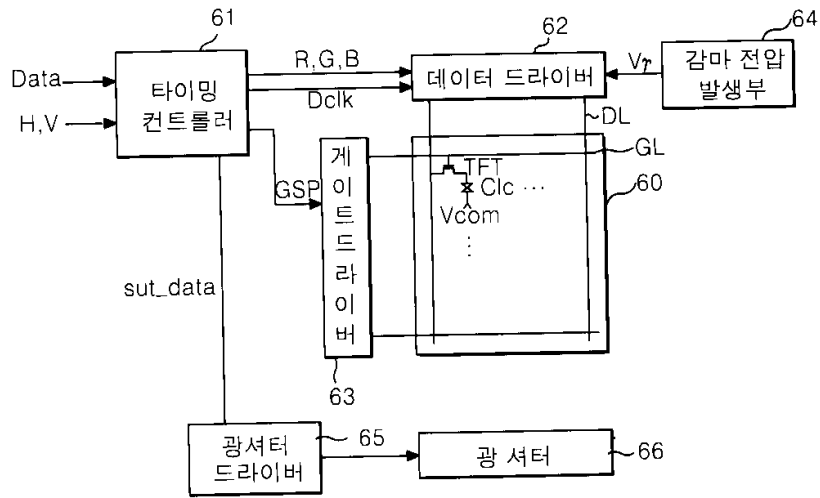
5a



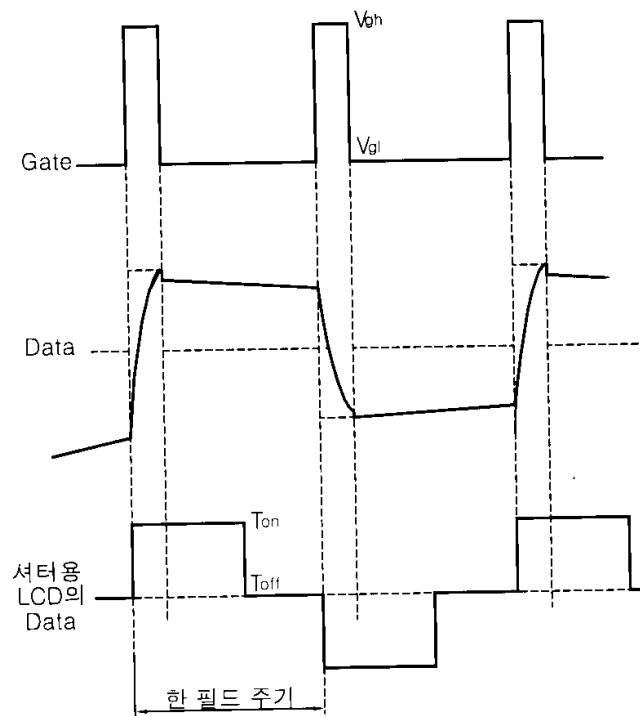
5b



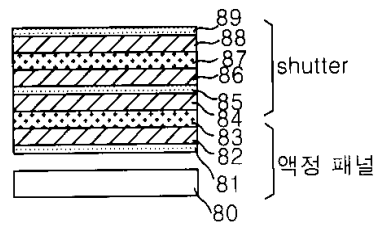
6



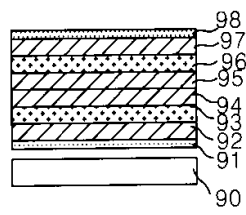
7



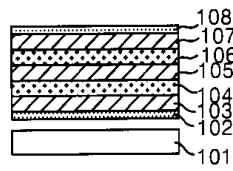
8



9



10



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	KR1020020090409A	公开(公告)日	2002-12-05
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 함용성		
发明人	함용성		
IPC分类号	G02F1/1335 G09G3/34 G09G3/36 G02F1/1347 H04N5/66 G02F1/133 G02B5/30 G09G3/20 G02F1/13357 G02F1/13 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	KR100438521B1		
外部链接	Espacenet		

摘要(译)

液晶显示装置技术领域本发明涉及一种具有光学快门的液晶显示装置，该光学快门用于消除在运动图像显示期间发生的运动模糊，以提高显示质量。根据本发明的具有光学快门的液晶显示装置包括用于显示图像的液晶面板和形成在液晶面板上用于阻挡来自液晶面板的光的光学快门。

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