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(22) 2001 11 19

(71) 20 LG

(72) 1 1442-7 10 3

(74)
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(54)

/ 1 2 , 1 2
가

4

1 3

2 1 / 가

3

4 1

5 4 / 1 2 가

6 4 1 2 가 .
 7 4 1 2 가 .
 8 2 .
 9 3 .

< >

10, 30 : 14, 34 :
 16, 36 : 18, 38 :
 22, 42 : 26, 46 :
 24, 44, 64 : Y : /
 Z, Z1, Z2 :

(Plasma Display Panel : 'PDP') 가
 가

PDP (Cathode Ray Tube : CRT) 가 가 ,
 가 . PDP

1 3 PDP .
 1 , 3 PDP (10) / (Y)
) (Z) , (18) (X) . (Y)

/ 가 (Y) (Z) (12Y, 12Z) , (12Y,12Z)
 가 (12Y,12Z) 가 (13Y,13Z) .

(12Y,12Z) (13Y,13Z) (Indium-Tin-Oxide : 'ITO')
 (10) (12Y,12Z) (Cr) (12Y,12Z)

/ (Y) (Z) (14) (16) .
 (14) 가

(16) (16) (MgO) (14) 2

(22) (X) (18) (22) (X) / (Y) ,
 (Z)

(X) 가
 (26)

가 가 (10)/ (18) 가

PDP (Gray Level) 가
 ADS(Address and Display Separation) . ADS

(16.67ms) 8 , 256 , 8 1/60

2^n (n=0,1,2,3,4,5,6,7) 가 .

(Y) 가 (Z) 가 (X) 가 / (Y) /
 (X)

(Y) / (Z) (14,22) 가 . / 2^n / (Y) /
 (Z)

(Z) / (Y) (Z) 가 / (Y)

ADS PDP / 가 . ,

(Vsus)가 가 , (Crosstalk)가 (Y) / (Z) (Y)
 (Z) 가

1 2 , 1 2 / .
 1 2 .
 1 2 .
 1 2 /

1 / 1 , 1 가

/ 1 1 가 ,

/ 1 1 2

/ 1 .

1 2 가 2 2 , 2 2

2

3 9

3 4 , 1 1 PDP (30) / (Y)

X) 1 2 (Z1, Z2) , (38) (

/ (Y) (32Y) , (32Y) 가 (32Y)

Oxide) (33Y) . (32Y) , (Indium-Tin-

(30) . (33Y) (Cr) (32Y)

(32Y)

1 2 (Z1, Z2) / (Y) 1 1

(32Z) 2 (42Z) , 1 (32Z) 2 (42Z) 가 1 (33Z) 2 (43Z)

(32Z) 2 / (Y) (32Y) 1 2 (Z1, Z2) 1 (

Y) (42Z) 1 2 (Z1, Z2) , / (Y) 1 2 (32

(32Y) (Z1, Z2) 1 (32Z) 2 (42Z) / (Y) (35a) ,

Z1, Z2) 1 (35a) (32Z) 2 (42Z) 2 (35b) , 1 2 (35b) (凹) (

가 , / (Y) 1 2 (Z1, Z2)

, / (Y) 1 2 (Z1, Z2) (34) (36)

(34)

(36) (36) (MgO) (34) 2

(X) (38) (42) (44) , (42)

(44) (46) (X) / (Y) 1 2 (42)

(Z1, Z2)

(44) (X) 가
 가 (46) 가 가 (30)/ (38) (44) 가
 PDP (Gray Level) 가
 ADS(Address and Display Separation) ADS
 (16.67ms) 8 , 256 , 8 1/60
 2ⁿ (n=0,1,2,3,4,5,6,7) 가
 1 2 (Z1, Z2) 가
 / (Y) (X) 가 (X) 가
 / (Y) (34, 42) 가 5 /
 (Y) 1 2 (Z1, Z2) (VSUS) /
 (Y) 1 2 (Z1, Z2)
 / (Y) 1 2 (Z1, Z2) (Z1, Z2) (VSUS)가
 1 7 PDP 1 2 (Z1, Z2) 6
 (Y) /
 , 1 2 (Z1, Z2) / (Y) (X)
 1 2 (Z1, Z2) 1 2 (Z1, Z2) (Z
 1, Z2) , 1 2 (Zero)가 ,
 가 가 가 1 2 (Z1, Z2)
 , 1 가 PDP 1 2 (Z1, Z2) /
 (Y) 가
 8 2 PDP
 8 , 2 PDP / (((Y) (62Y) , (62Y) 가 (62Y)
 64) (63Y) (62Y) (62Y) (62Y) (Cr) , (Indium - Tin -
 Oxide) (63Y) (62Y) (63Y) (62Y) (62Y)
 1 2 (Z1, Z2) / (Y) 1 (62Z)
 2 (72Z) , 1 (62Z) 2 (72Z) 가 1
 (62Z) 2 (72Z) 가 1 (63Z) 2 (73Z) .
 62Z) , 2 / (Y) (62Y) 1 2 (Z1, Z2) 1 (((Y) (62Z)

Y) 1 2 (Z1, Z2) 1 (Z1, Z2) 2 (72Z) .
 / (Y) (62Y) .
 가 , / (Y) 1 2 (Z1, Z2)
 (64) 가
 , 2 7 PDP 1 2 (Z1, Z2) 6
 (Y) . , /
 , 1 2 (Z1, Z2) 1 2 / (Y) (X)
 (Z1, Z2)
 , (Y) 2 가 PDP 1 2 (Z1, Z2) /
 9 3 PDP .
 9 , 3 PDP / ()
 Y) 64 1 2 (Z1, Z2) , ()
 / (Y) (82Y) , (82Y) 가 (82Y)
 Oxide) (83Y) . (82Y) (83Y) (Cr) , (Indium-Tin-82Y)
 1 2 (Z1, Z2) / (Y) 1 (82Z)
 2 (82Z) 2 (92Z) , 1 가 (82Z) 2 (92Z) 가 1 (93Z) .
 82Z) , / (Y) (82Y) 1 2 (Z1, Z2) 1 ()
 Y) 2 (92Z) 1 2 (Z1, Z2) 1 (82Z) 2 (92Z) (Y) (82
 2 (Y) (82Y) . /
 가 , / (Y) 1 2 (Z1, Z2)
 (64) 가
 , 3 7 PDP 1 2 (Z1, Z2) 6
 (Y) . , /
 , 1 2 (Z1, Z2) 1 2 / (Y) (X)
 (Z1, Z2)
 , (Y) 3 가 PDP 1 2 (Z1, Z2) /

2 , / 1 2
가

가

(57)

1. 1 2 ,

1 2 /

2.

1 , 1 2

3.

1 , 1 2

4.

3 , 1 2 /

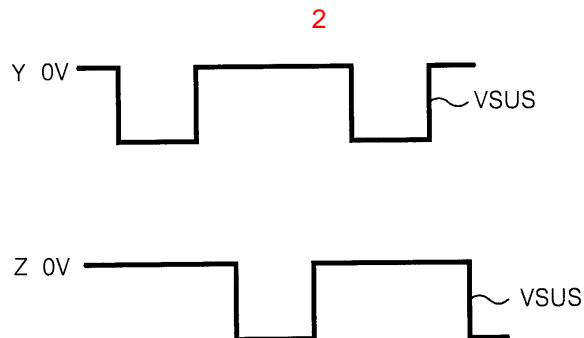
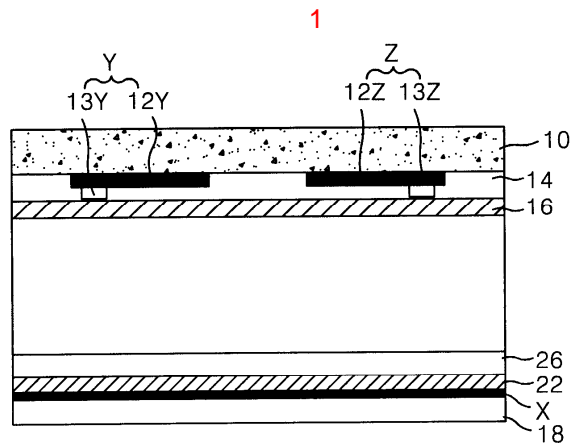
5.

1 , / , 1 , 1 가 1

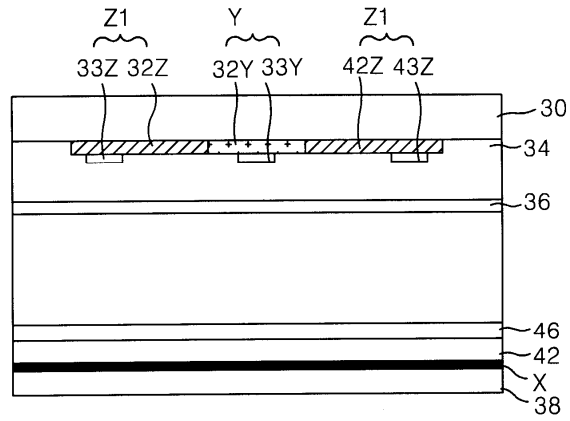
6.

5 , / 1 1 가 ,

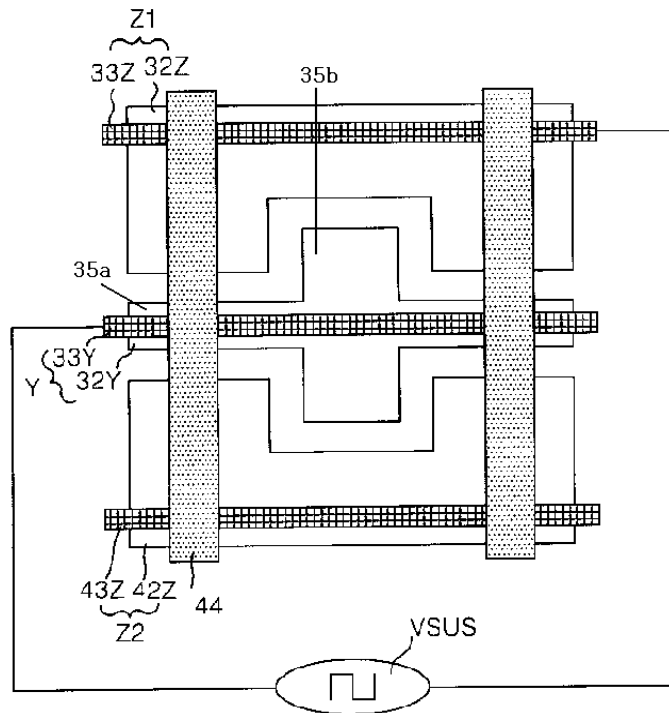
7. 5 , / 1 1 2
8. 6 7 , / 1
9. 1 , 1 2 , 2 , 2 2 가 2
10. 9 , 2



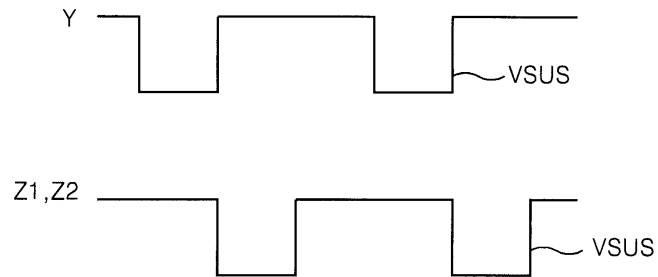
3



4

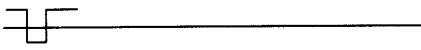


5



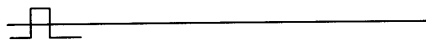
6

Z1 ----- FLOATING

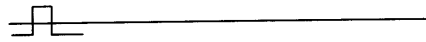
Y  SCANPULSE

Z2 ----- FLOATING

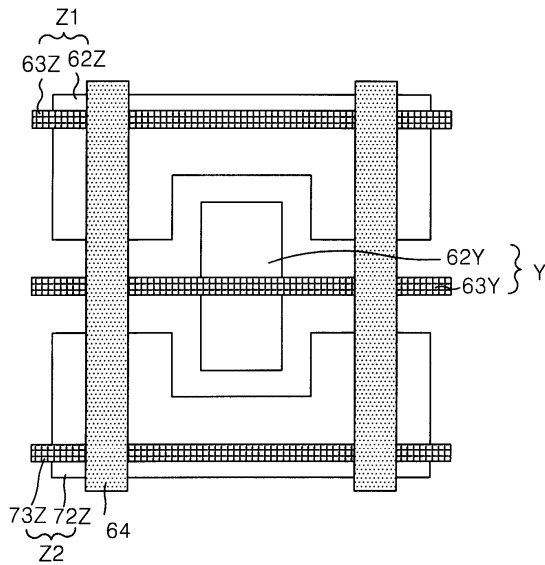
7

Z1 

Y  SCANPULSE

Z2 

8



9

