

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. ⁷
G09G 3/30

(11)
(43)

2003 - 0024403
2003 03 26

(21)
(22)

10 - 2001 - 0057543
2001 09 18

(71)

20 LG

(72)

105 1001

141 111 - 905

107 101

(74)

:

(54)

-

EL
; n

n - 1

n

n - 1

1 EL

2 EL

3 2 EL 가

4 2

5 4

6 5

7

8 7

9 7

< >

2 : 4 :

6 : 8 :

10 : 12 :

14 : 20 : EL

22 : 24 :

26 : PE 30, 32, 46, 48 :

31, 33, 50, 52 : 40, 42 :

44 :

(Cathode Ray Tube)

(Liquid Crystal Display),

(Field Emission Display),

(Plasma Display Panel)

(Electro - Luminescence : , EL)

EL ,
 EL EL 가 EL
 가 가 가 , EL
 1 EL (14) (4), EL (6), (8), EL (10), EL (12) (2)
 (14) (2) 가 , (2) (4)
 (6) (8) , (48) (12)
 (10) (8) , (8) (6) (10)
 (14)
 2 EL 2 EL (GL)
 (DL) (PE) EL (20) , EL (20) (GL)
 (22) , EL (20) (DL) (24)
 (PE) (GL) (DL)
 (22) (GL) 가 (GL)
 (24) (DL) (PE)
 , (22) (24) (PE) 3
 (VDD) EL (EL) , EL (EL) (26) (26)
 (DL) (GL) 1 (N1) 1 (Thin Film Transistor;
 " TFT")(Q1) , 1 (N1) EL (EL) 2 TFT(Q2) , 1
 (N1) (GND) (C1) (GND)
 1 TFT(Q1) (GL) 가 가 - (DL)
 1 (N1) (C1) (DL) 1 TFT(Q1) 1 (N1)
 T(Q2) (C1) 2 TFT(Q2) 2 TF
 , EL (EL) (VDD) (GND) EL (EL)
 EL (20) (24)
 (DL) 가 가
 가 가
 (24)
 (DL) 가 (DL)

4, 2 (24) (VDD) (DL)
 가 (PS) 1 (31) (Dout) 2 (33)
 1 2 (VDD) 1 (31) (VDD) 2 (33)
 1 1 (30) (VDD) (PS)
 1 1 (31) 2 (32) (VDD)
 (Dout) 2 2 (33)
 1 (31) (PCS) 1 (3)
 0) 1 5 (Pt) 가 (PS)
 (PS) EL (Dout)
 2 (33) 5b (D) 2 (32) 2
 (Dout)
 , 2 (Q2) (D) '1' (Dout)가 (DL)
 (DL) (DP) (PS)가 가
 (24) (DL) (Dout) 5
 (DL) (Dout) 가 (Dout)가
 (DL) (PS) 5 (D) '1'
 (Dout) (34) (DL)
 , (Dout) (34) 6
 (Dout) 2 (33) 2 (33) 가
 , 가 EL
 1 , EL ; n n - 1 n -
 , n 가 '1' n - 1
 , n 가
 가

EL
 $n-1$ 2 ; 1 n 1 ; n-1
 $n-1$;

.

, n 가 '1' n-1
 , n-1
 ; XOR n n-1 AND AND OR XOR
 , 가 n 가
 가 .

.

, 7 9 .

7 EL
 . 7
 2 (40, 42) (44) , 1 2 (40, 42) , 1
 1 (40) (Dn) (VDD) (DL)
 (VDD) (DL) (44) 1 (50) ,
 2 (52) . , (VDD) 1 (50)
 (VDD) 2 (52) 1 2 (46, 48) .

1 (40)
 . 2 (42) 1 (40) , n-1 (Dn)
 (Dn-1)

(44) 1 (40) n (Dn) 2 (42) n-1
 (Dn-1) (PCS) , (44) n
 (Dn) "0" , n (Dn) n-1 (Dn-1)가
 2 (52) - (PCS) . , (44) n
 (Dn) n-1 (Dn-1)가 n (Dn) "
 1" 2 (52) - (PCS) .

, (44) 8
 2 (42) n-1 (Dn-1) 1 (40) n (Dn) ,
 , XOR (Exclusive) OR XOR
 AND . XOR 1 n (Dn) AND
 ('1') , (Dn) n-1 (Dn-1)가
 가 n ('0') . AND XOR
 (Dn)가 ('1') (

1 (46) (VDD) (Dout)

1 1 (50) 2 (48) (VDD)

(PS) 2 (52)

1 (50) 1 (40) (Dn) 1 (46) 1

9b (Dout)

2 (52) (44) (PCS) 2 (48)

2 (PS) (Pt) 가 (PS)

EL (PS) n , 가 n - 1 (Dout) (Dn - 1)

'1'

, n - 1 (Dn - 1) n (Dn)가 '1' (Dout)가

(DL) (PS)가 (PS)

EL

EL

가

(57)

3.

1 ,
 가 n 가 - .

4.

n 1 ;
 n - 1 2 ;
 1 n 2 n - 1 ;
 - .

5.

1 ,
 n 가 '1' n - 1 ,
 - .

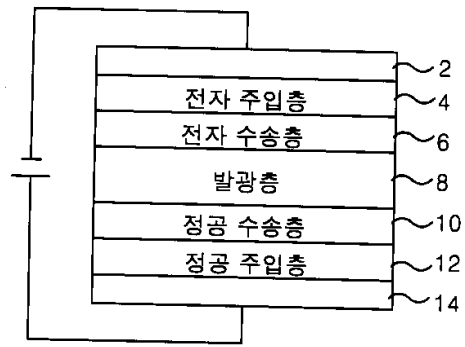
6.

4 ,
 n n - 1 OR XOR ;
 XOR n AND AND
 - .

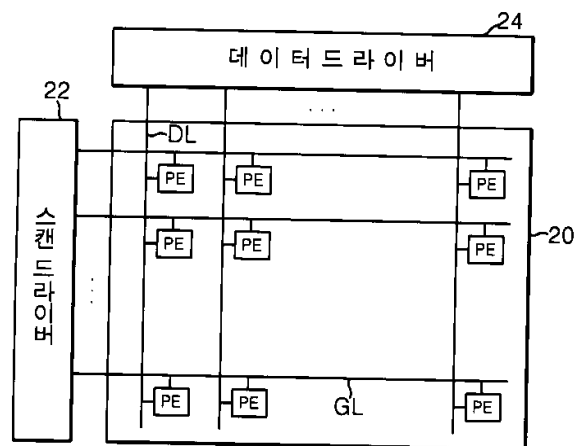
7.

5 ,
 가 n 가
 - .

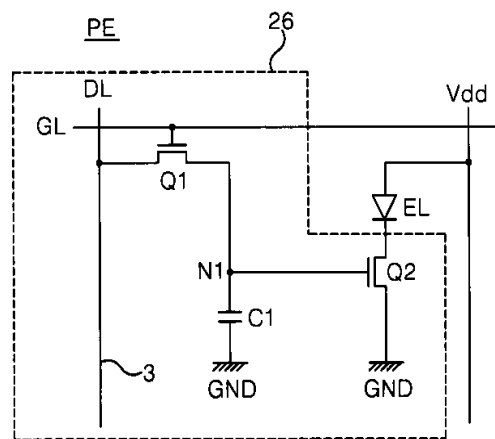
1



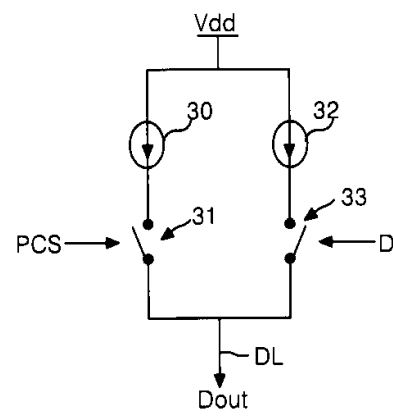
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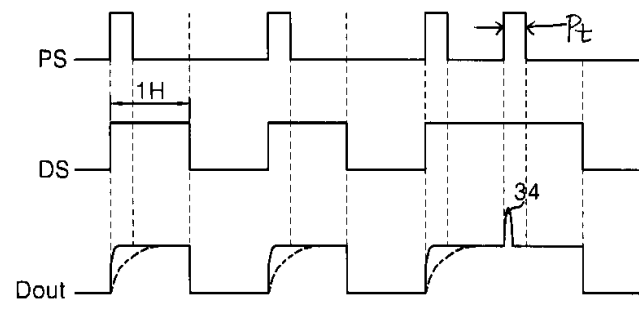
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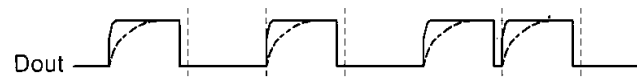
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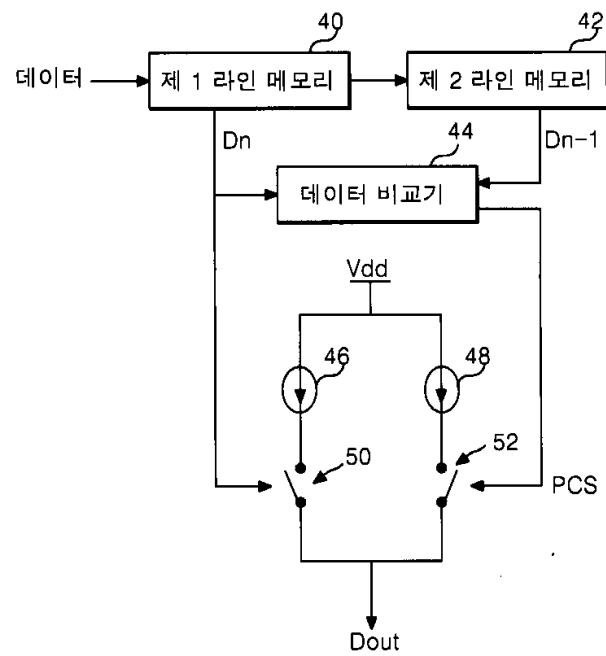
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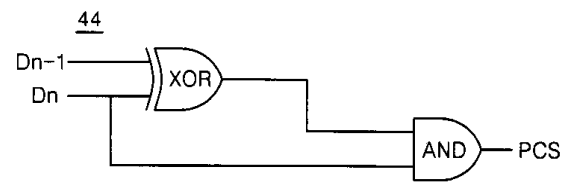
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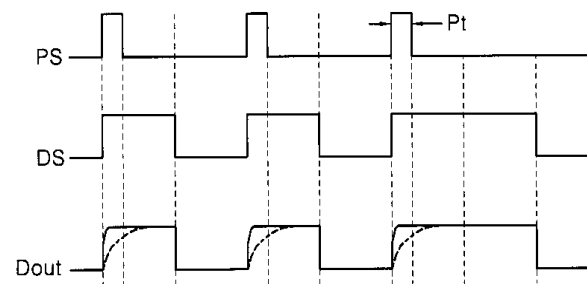
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9



专利名称(译)	用于有机电致发光显示板的选择性预充电的方法和设备		
公开(公告)号	KR1020030024403A	公开(公告)日	2003-03-26
申请号	KR1020010057543	申请日	2001-09-18
申请(专利权)人(译)	LG电子公司		
当前申请(专利权)人(译)	LG电子公司		
[标]发明人	KIM SEDON 김세돈 PARK KYUNGVIN 박경빈 PARK HYOUNGGUEN 박형근		
发明人	김세돈 박경빈 박형근		
IPC分类号	G09G3/30		
CPC分类号	G09G3/3233 G09G3/3283 G09G2310/0248		
代理人(译)	李, SOO WOONG		
其他公开文献	KR100692847B1		
外部链接	Espacenet		

摘要(译)

用途：提供一种选择性预充电有机电致发光显示板的方法和装置，通过比较先前的线数据和当前线数据，通过确定预充电信号是否存在，防止数据被预充电信号失真。

