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(30) JP-P-2002-00302740 2002 10 17 (JP)

(71) 가 가
가 1105

(72) 가 4-3146-7

(74)

:

(54)

TFT 가 ,

(10) TFT(Tr4), , TFT(Tr2), TFT(Tr1), TFT
TFT(Tr5), EL (E1) TFT(Tr3),
, TFT(Tr5)가 (C1), (C1)
가 EL (E1) TFT(Tr2)

5

1

2

3 2

1 :

2 :

10 :

TFT (Thin Film Transistor)

1 1) r2)	TFT(Tr1) ,	가 ,	(Vdata) TFT(Tr2) ,	(Select) (C1)가 ,	TFT(Tr1) TFT(T EL (E1)
,	TFT(Tr1) 가 ,	가 ,	TFT(Tr2) ,	TFT(Tr1) (C1)	TFT(Tr1) ,
,	EL 가	,	EL (14)	.	,
,	EL 가	,	TFT	TFT	TFT
,	TFT	,	TFT	,	TFT
EL					
4	, TFT TFT		2		2
			TFT	1	.

, , EL , EL (E1) 가 (VHanod) .
 9 5 TFT(Tr1 Tr4) , (10) . , . , .
 (S2) P (VLcath) , , ,
 VHcath VLcath < VHcath , , ,
 t) 9 , 4 (S2) , 1 2 (VHcath) (Vcon
 (S2) , EL 가 .
 9 (VHanod) , (VHcath) TFT(Tr2) 가 .
 (S2) (S2) , EL (E1) EL (E1) 가 가
 , 9 , , (VHcath) (VHcath) (S2)
 , , , , EL (E1) 가 (VLcath) ,
 10 6 TFT(Tr1 Tr3, Tr8) , (10) . , ,
 (D1) 가 , TFT(Tr3) (D1) TFT(Tr3)
 TFT(Tr2) (D1) (D1) 가 , (C1)
 2
 10 , , , (VHanod) TFT(Tr2) TFT(Tr2) TFT(Tr8)
 , TFT(Tr8) (E1) (C1) EL (E1) 가 ,
 ,
 10 4 , 1 2 (Vcont T
) TFT(Tr2) 가 , TFT(Tr8) TFT(Tr8) 가 , EL (E1) 가
 , 5 9 , , , TFT(Tr4) 10
 (D1) ,
 11 7 , , , (10) P
 , N TFT(Tr9) , , ,
 , (VLcath) TFT(Tr2)
 11 TFT(Tr2) , , , , TFT(Tr10) (VHanod)
 , , , , 10 TFT(Tr8)
 ,
 11 4 , 1 2 (Vcont
) TFT(Tr9) , , , , TFT(Tr10)

2)가 TFT(Tr9)가 , (C1) (VLcath) TFT(Tr
, TFT(Tr10) ,
EL (E1) 가 () .

11 TFT(Tr10)가 P , TFT(Tr9)가 N , TFT(Tr9, Tr10) i
(Vcont)

, 11 , TFT(Tr9) , TFT(Tr9) 가 11 (VLcath) , TFT(Tr9) . TFT(Tr9) . (C1) . TFT(Tr9) . (C1) .

, 5 9 , , TFT(Tr4) 11
 TFT(Tr9) (D1) 11 . , 10 , .

5 11 , , TFT(Tr2) EL (E
1) 가 , , ,

TET , TFT P P

TFT(Tr2) 5 11 TFT(Tr3)

EL 가

(57)

2.

1 ,
TFT

TFT

3.

1 2 ,
TFT

TFT

4.

3 , TFT
TFT

가

5.

1 2 ,

TFT

6.

5 , TFT
TFT

가 ,
가 ,

7.

1 2 ,
TFT

, TFT

8.

1 ,

TFT

,

9.

1 ,
,

TFT

10.

1 ,

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11.

1 ,

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가

12.

1 ,

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가

13.

1 ,

,

가

14.

1 ,

,

가

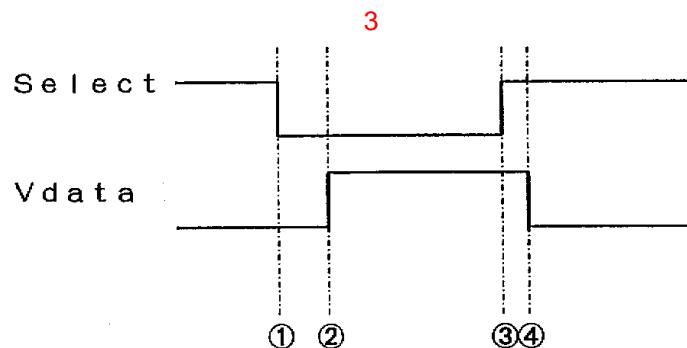
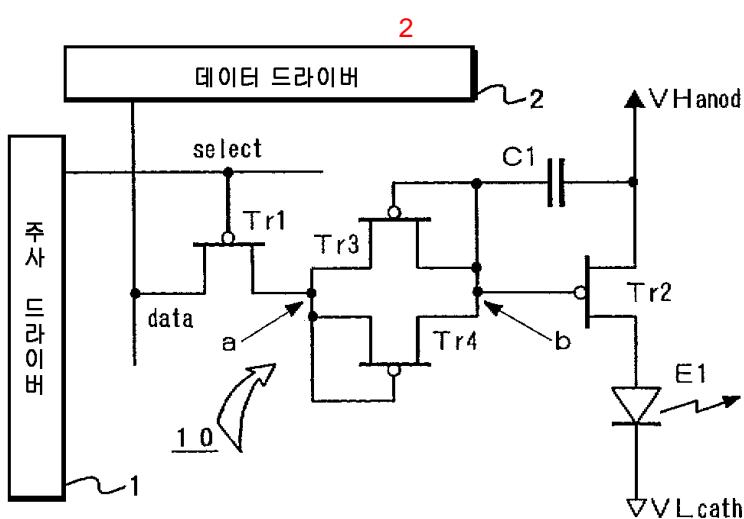
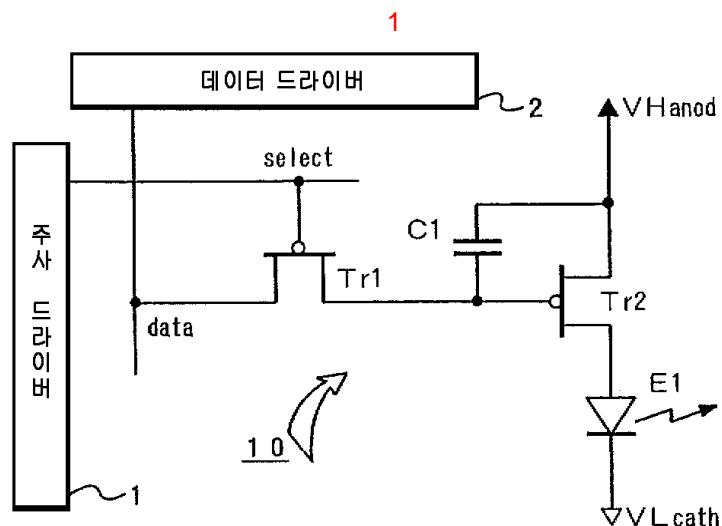
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15.

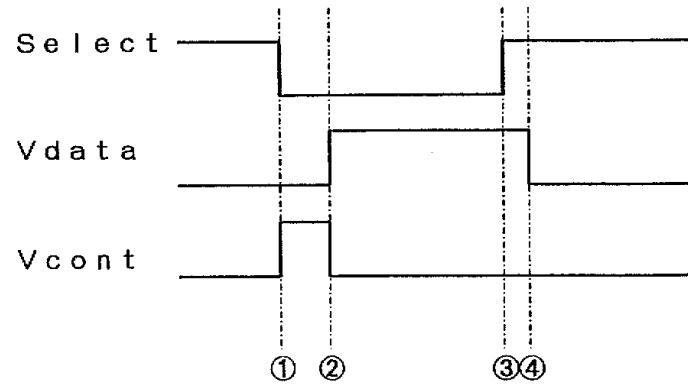
2 , TFT , TFT가

16.

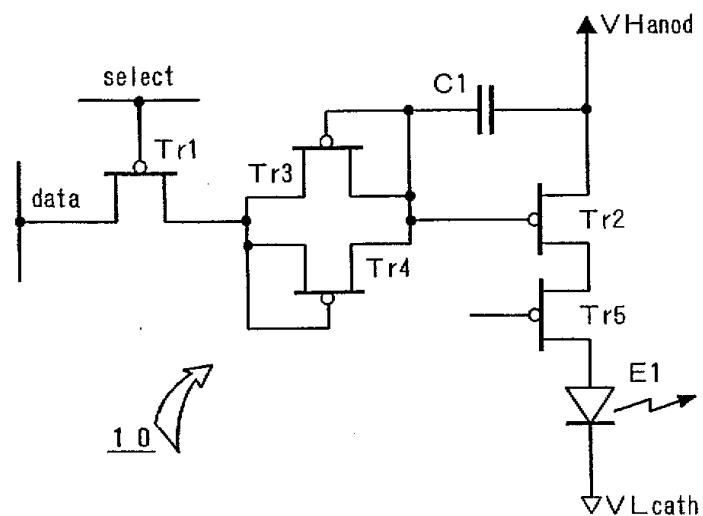
1 , EL



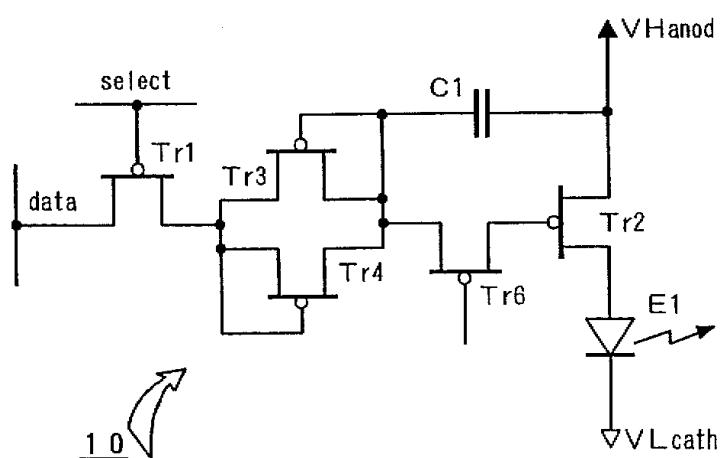
4

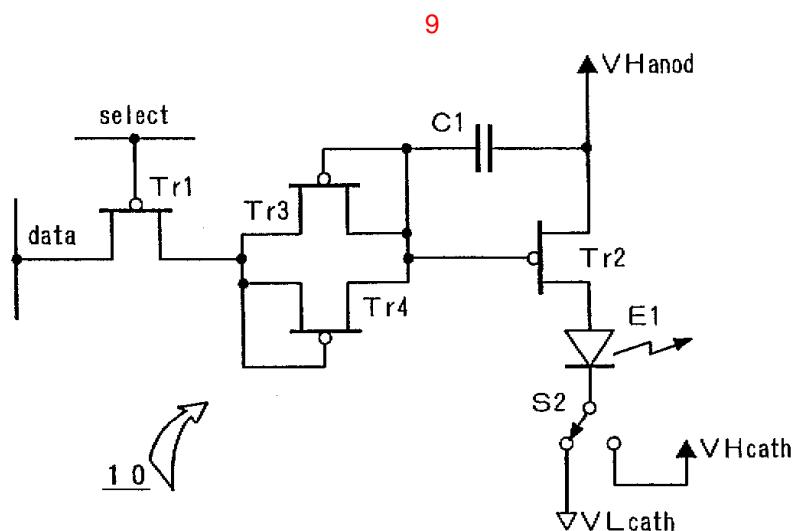
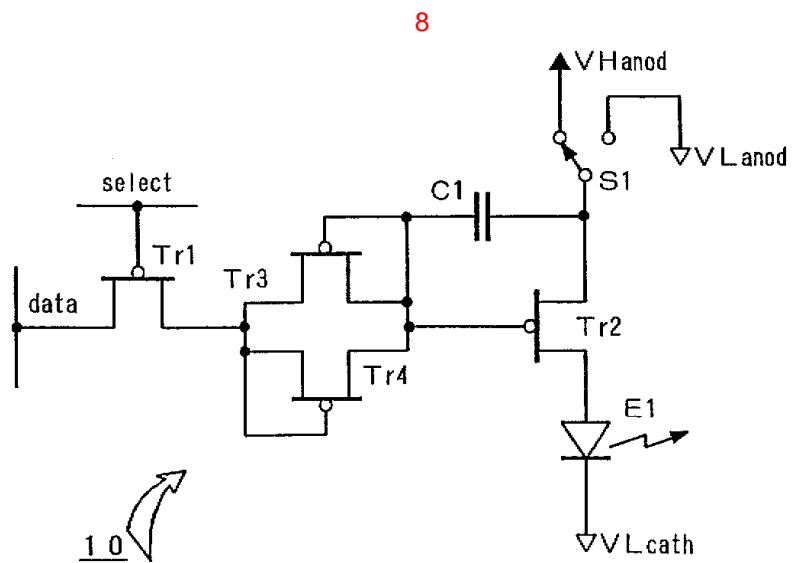
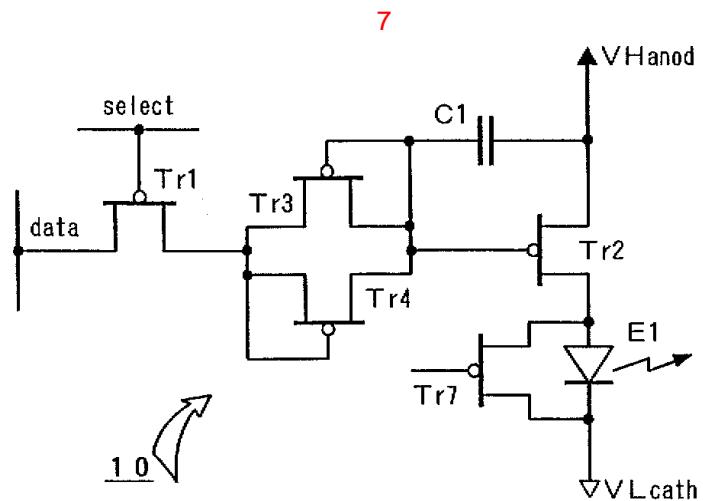


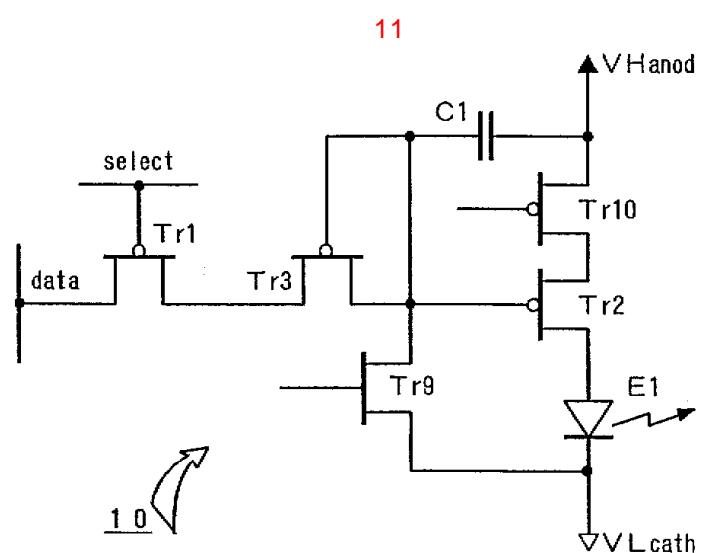
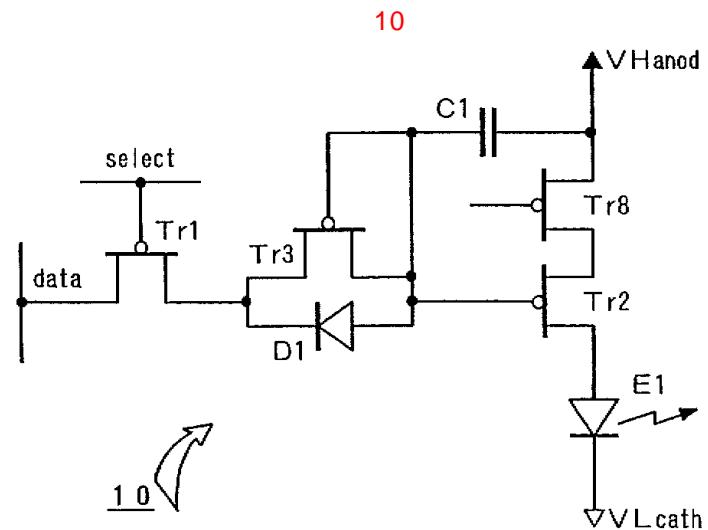
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专利名称(译)	有源型发光显示器		
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优先权	2002302740 2002-10-17 JP		
外部链接	Espacenet		

摘要(译)

本发明的目的是在使用阈值电压校正方法的具有像素配置的有源发光显示装置中，在复位周期中抑制过量电流流过驱动TFT。在一个像素10中，控制TFT Tr1，用作阈值电压产生元件的TFT Tr3，用作复位元件的TFT Tr4，驱动TFT Tr2，驱动TFT的栅极电压用于保持电容器C1的电容器Tr1，用作在复位操作中被控制为关断的电流抑制装置的TFT Tr5，以及EL元件E1。在将电容器C1的端电压复位到预定电位的复位操作期间，控制TFT Tr5处于截止状态，并且将由于驱动TFT (Tr2) 的操作引起的过电流提供给EL元件E1。并且被阻止被给予。五

