

3

(through) , (array) (common line) , 가 (along)

(electroluminescent), (light - emitting), (organic) (thin film) , (polymer) , III - V (compound) (LED) , (semiconducting) (conjugated) , (transparent) , (hole)

CVD , (soluble) (spin coating technique)

(diode - like) I - V , (function) (passive)

US 5670792

ts) 가 (current driven display elemen) 가 (compound) ing) (different) (dependent) , 가 (full set) (cross - talk)가

가(applied)

가

가

(taking account of),

가

(distortions)

(drain)

(hold)

가

1

2

3

가 , (scale)

1

가 , 가 - US 5670792

1

(4) (10) (10) (2) (6) (8) (4) 가
(10) (10) (12) (4) 가
(10) ITO
EP - A - 0717446

(gate) (14) (6) (14) (address) (16) (14) (8) (12) (18)

(4) (6) (22) (cover) (10) (12) (20) (20)
20) (22) (10) (22) (24) (10) (14)
(10) (12) (drain) (12) (10) (14)
(12) (12)

가 (16) (12) (16) (14) 가 (18) (18)
(12) (16) (turned off) (12) (c)
apacitor) (26) (12) (22) (22) (4)
(10) (12) (gate - source) 가 { (12) (ligh
22) (12) (10) } .
t)

(12) (in saturation)

(10)

(not critical).

(20)

(22)

(14)

(12)

(10)

(22)

가

(10)

(22)

(22)

(12)

(brightness)

(picture)

(non - uniformity)

(horizontal)

가

(correct)

가

(12)

가

(column)

(14)

TFT

2

(i_1, i_2, \dots, i_n)

(associated),

n

(22)

(22)

(section)

(sum

mation)

(current flowing)

(10)

(i)

가

$$i_k = f(V_k)$$

V_k

(14)

가

(1)

(2)

$$V_{1,2} = R \cdot f(V_1)$$

R

(pitch)

(22)

R

R

가

(2)

(3)

$$V_{2,3} = R \cdot (f(V_1) + f(V_2))$$

$$V_{k,k+1} = R \cdot \sum_{x=1}^{x=k} f(V_x)$$

가 (the lead out for the row i
 s on the left),
 (0V) 가 , n . (n - 1)

$$V_{n-1,n} = R \cdot \sum_{x=1}^{x=n-1} f(V_x)$$

(n - 1) 가
 (n - 2) , $V_{n-1,i}$ $V_{n-2,n-1}$.

k , $V_{error(n)}=0$, (k) 1 n - 1

$$V_{error(k)} = \sum_{x=k}^{x=n-1} V_{x,x+1}$$

가 (12) . 1
 , 가 가 , (brightness) ,

가

$$V'_k = V_k + V_{error(k)}$$

3 (2) (30) , (V
 1, $V_2 \dots V_n$) (column) (33) (32)가 ,

(format)
 (32) 가 (34) , ($V_1, V_2 \dots V_n$)
 가 가 . e1, e2, en (30) (V_{error}) ($V'_1, V'_2 \dots$)
 V'_n) (34) 가 (34)
 V (line store) (computation)

(22)

/

V'

(22)

V'

- 가

(negligible)

가

가,

(numerical)

(calibration)

가

(57)

1.

(electroluminescent)

가

(through)

(a common line)

(different)

(rows)

(columns)

(array)

가

(active matrix)

(addressing)

가

(taking account of),

te)

(upda

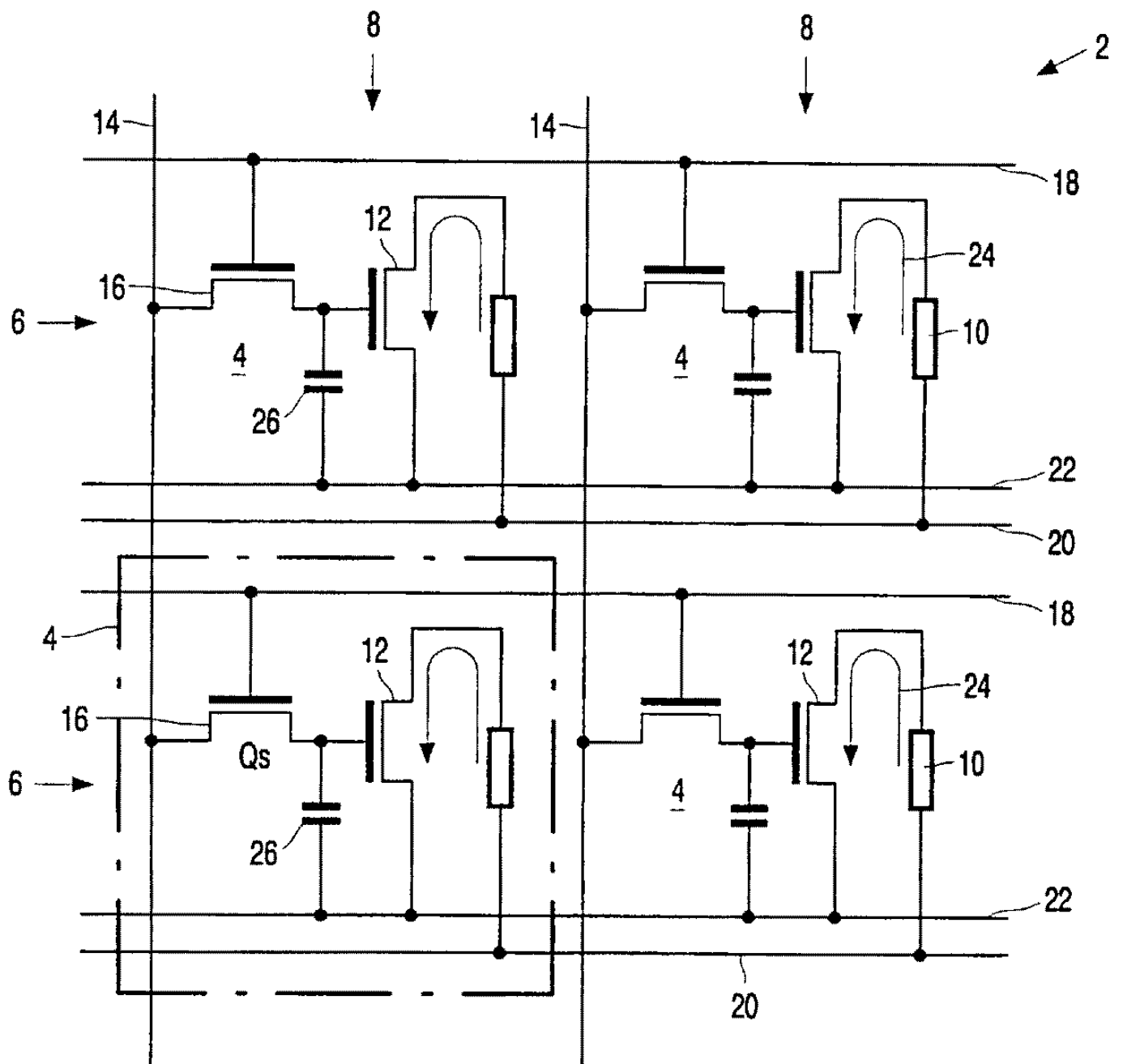
2.

1

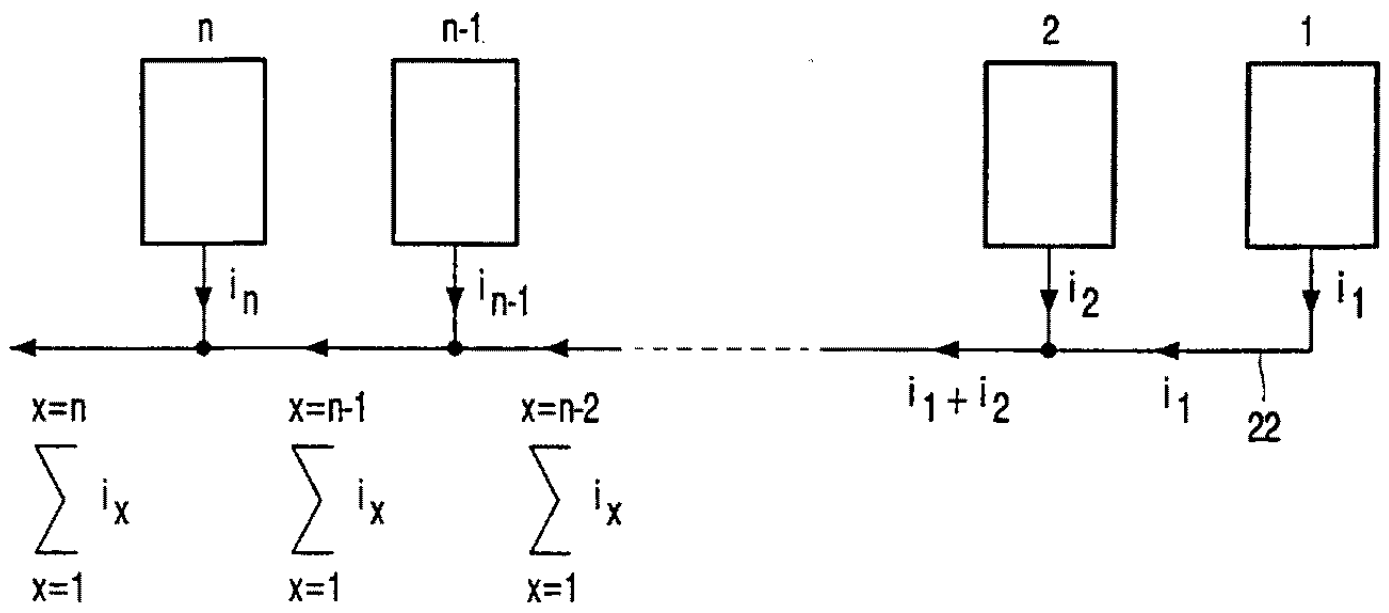
(drain)

3.

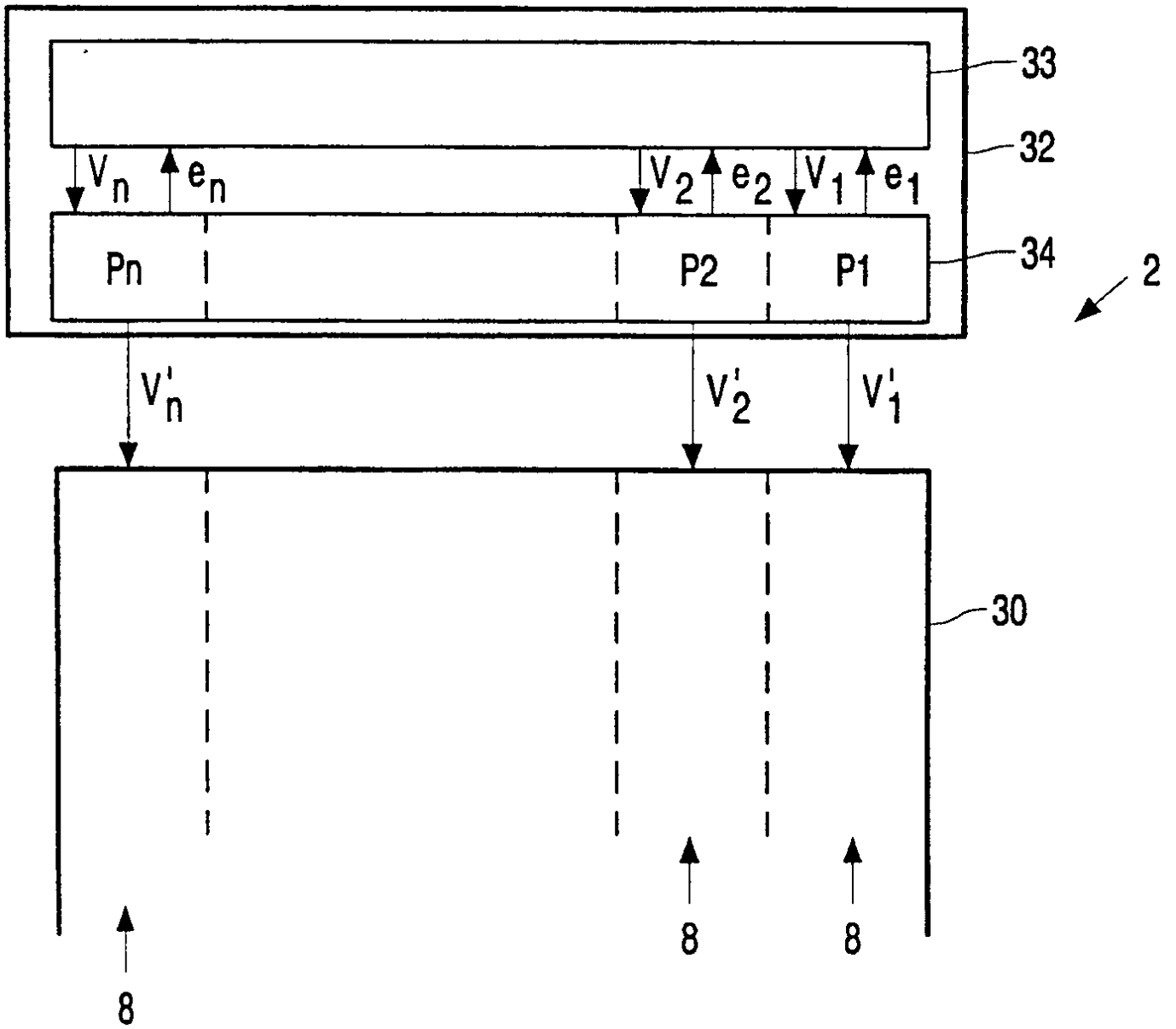
1



2



3



专利名称(译)	有源矩阵电致发光显示装置		
公开(公告)号	KR1020010072896A	公开(公告)日	2001-07-31
申请号	KR1020017002309	申请日	2000-06-23
[标]申请(专利权)人(译)	皇家飞利浦电子股份有限公司		
申请(专利权)人(译)	科宁欣克利凯恩菲利普斯日元.V.		
当前申请(专利权)人(译)	科宁欣克利凯恩菲利普斯日元.V.		
[标]发明人	YOUNG NIGEL D		
发明人	YOUNG,NIGEL,D.		
IPC分类号	H01L51/50 G09G3/20 G09G3/30 G09G3/32		
CPC分类号	G09G3/2011 G09G3/32 G09G3/3233 G09G3/3291 G09G2300/0842 G09G2320/0209 G09G2320/0223		
代理人(译)	MOON, KYOUNG金 CHO, 贤SEOG		
优先权	1999014808 1999-06-25 GB		
其他公开文献	KR100637753B1		
外部链接	Espacenet		

摘要(译)

有源矩阵电致发光显示装置包括像素的每一行，其是以列和行布置的显示像素 (30) 的阵列，其中通过该行的显示装置的电流沿着像素的公共线通过线是共享的。为了使误差 (e) 修正出现在公共线 (出现) 上的另一电压，产生像素以便修正关于像素行内的每个像素的驱动信号 (V)。另一个电压产生水平 (水平) 串扰 (串扰)。误差 (e) 是作为建模 (建模) 框引起的像素行。并且建模考虑在行的所有像素中应用的驱动信号。生成更新错误的驱动信号 (V ')。

