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10-2004-0089881
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(22) 2003 04 15

가 818

(72)	가	가	가	1120
	가	가	가	1120

(74)

(54)

6

1

2 1

3 2

4 3 가

5 2

6 5

가

< >

$S_{IM \dots}, S_{DA \dots},$
 $S_{SC \dots}, 1\dots,$
 $2\dots, 3\dots,$
 $4\dots, 5\dots,$
 $6\dots, 8\dots,$

$D_{DA \dots}, H_{SYNC \dots},$
 $31, 51\dots, 33, 53\dots,$
 $32, 32_1, 32_m, 33_{D1}, 33_{Dm}, 52_1, 52_m, \dots, -,$
 $31_{R1}, 31_{Rm}, 51_{R1}, 51_{Rm}, \dots(n+1)-,$
 $31_{L1}, 31_{Lm}, 51_{L1}, 51_{Lm} \dots n-,$
 $33_{C1}, 33_{Cm}, 53_{C1}, 53_{Cm} \dots,$

$S_1, S_m \dots,$
 $PEAK\dots, I_{B1}, I_{Bm} \dots,$
 $I_{DP1}, I_{DPm} \dots,$
 $I_{D1}, I_{Dm} \dots, V_{D1} \dots,$
 $V_{S1}, V_{S6} \dots, 53_{S1}, 53_{Sm} \dots,$
 $S_{B1}, S_{Bm} \dots,$
 $53_{T1}, 53_{Tm} \dots.$

,

(21),

(6),

(5)

(2)

(2) , (1) . (3) . (4)

(21) , (6) (S_{IM}) (S_{SC}) 가 . (5) (S_{DA})

, (S_{SC})

(3) - (5) , (21)

(21) (3) - (5) , (21)

(4) - (6) , (21)

1 2 , 1 (32), (33) (5) (30), (31),

- (30) (30) (H_{SYNC}) (D_{DA}) (31) ,

,

- (32) , (31) (33) , (32)

(I_{D1} I_{Dm}) (3) 가 .

6, 531, 827

(3) 가

1,091,340

1 3 n- , 2 (31_{L1} (5) 31_{Lm}) (31) . , 2 (n+1)- (33_{D1} (5) 33_{Dm}), (31_{R1} (33))

(S₁ S_m)

(n+1)- (31_{R1} 31_{Rm}) , (H_{SYNC}) (D_{n+1})

. n- (31_{L1} 31_{Lm}) , (30) (H_{SYNC})

, (n+1)- (31_{R1} 31_{Rm}) (D_n)

- (32₁ 32_m) (D_n) (31) n- (I_{DP1} 31_{L1} 31_{Lm}) (I_{DPm})

(33) (33_{C1} 33_{Cm}) , n- (31_{R1} 31_{Rm})

(D_n) (n+1)- (31_{L1} 31_{Lm})

- (33_{D1} 33_{Dm}) , (33_{C1} 33_{Cm})

(33) - (32₁ 32_m) (3) 가 . (I_{B1} (S₁ S_m))

(I_{D1} I_{Dm})

3 4 3 가 - (32₁) (32₁) (S₁) 가 (1 3a) (1 3a), V

$$(n+1) - \begin{pmatrix} 51 & R_1 \\ & \begin{pmatrix} 51 & R_m \\ 1 & 21 \end{pmatrix} \end{pmatrix}, \quad \begin{pmatrix} H_{\text{SYNC}} \\ 2 & 30 \end{pmatrix}$$

$$(D_{n+1}) \quad . \quad n - \begin{pmatrix} 51 & L_1 \\ & \begin{pmatrix} 51 & L_m \\ (n+1)- & \end{pmatrix} \end{pmatrix}, \quad \begin{pmatrix} H_{\text{SYNC}} \\ 51 & R_1 \\ & 51 & R_m \end{pmatrix}$$

(D_n)(52₁ 52_m)(D_n)

(51) n-

(I_{DP1} L₁ I_{DPm} L_m)

(33)

(53_{C1} 53_{Cm})
(D_n) (n+1)-
(D_{n+1})(51_{L1} 51_{Lm})
(51_{R1} 51_{Rm})(53_{S1} 53_{Sm}) ,(53_{C1} 53_{Cm})(D_n)(D_{n+1}) 가 가(D_n)(D_{n+1}) 가1 3)
가 ,

가 , (1)

(1)

I_{Bm})(S_{B1} S_{Bm})(53_{S1} 53_{Sm})(I_{B1}

(53_{T1} 53_{Tm})
(S_{B1} S_{Bm})
(53_{T1} 53_{Tm}) ,
, on)

(I_{B1} I_{Bm})
(Crosstalk)(I_{B1} I_{Bm})(I_{D1} I_{Dm})(S₁ (52₁ 52_m) , -

(3) 가

(S_{B1} (I_{DP1} I_{DPm})(I_{B1} I_{Bm})5 6
D1 가
V_{S1} V_{S6}6
I_{DP1}
(52₁)
, V_{D1}
(1 4) 가(1 3a) (52₁)
가(1 3a), I
(1)(I_{D1})
(D_{n+1})
~t6, t7~t9, t10~t12, t13~t15, t16~t18)(1 1 3a) 가
가 , . ,(t1~t3, t4
(1), 가
~t14, t16~t17)(I_{REF})
(I_{DP1})
(I_{B1})가 , (t1~t2, t4~t5, t7~t8, t10~t11, t13
(I_{B1})
(I_{B1})
(Crosstalk)
(t1~t4, t4~t7)

1 (

(t1~t4)
)

(t1~t3)

(I_{DP1})

(t3~t4)

,

(I_{DP1}) 가
(+I_{REF})

가 (1 3a) 가 , 가 (t1~t2) (I_{DP1}) 가 .

2 (t3~t4) (t4~t7) (t4~t6) (I_{DP1}) , (t6~t7) , (I_{DP1}) (-I_{REF}) (I_{DP1}) (-I_{REF}) 가 .

가 , , , , , , , (Crosstalk)

(57)

1.

가 ,

가

2.

1 ,

가

가

3.

2 ,

가 ,

가

4.

가 ,

가

5.

4

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-

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가

;

가

;

,

6.

5

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가,

-

;

;

가

;

7.

6

,

가,

,

 $(n+1) -$

;

,

 $(n+1) -$

n -

8.

6

,

가,

,

;

,

;

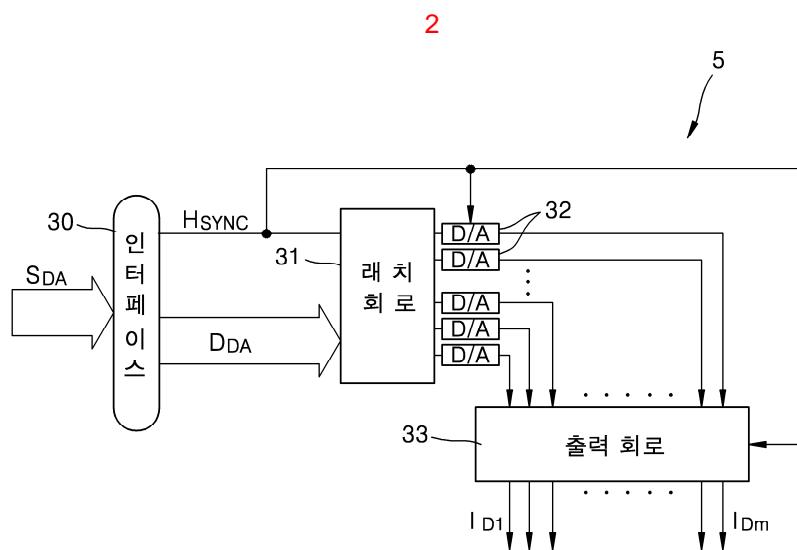
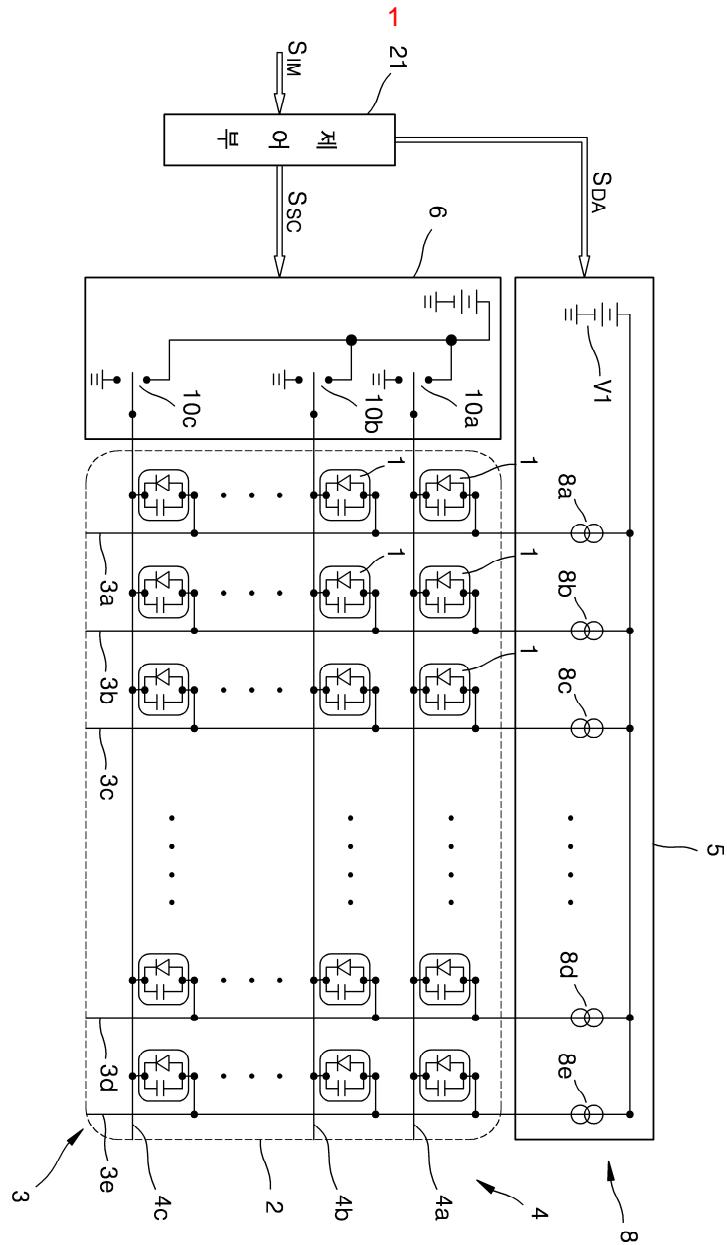
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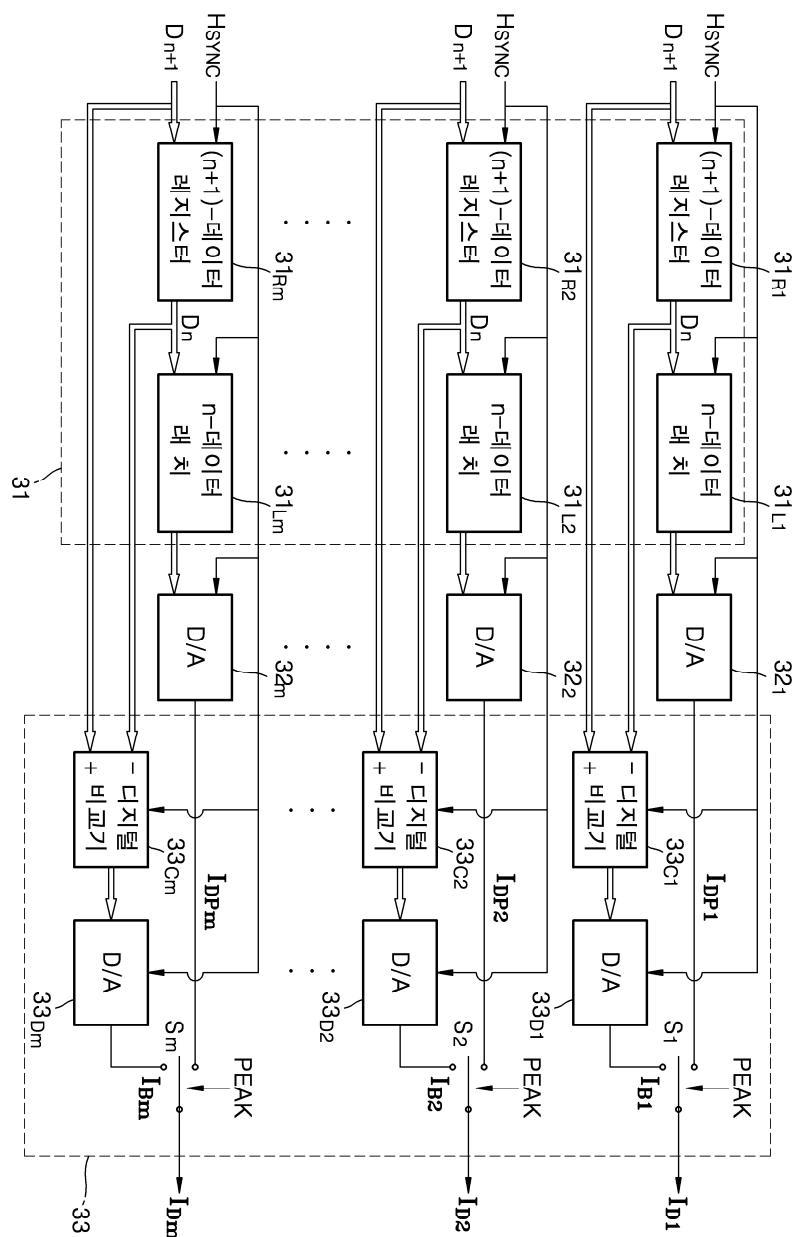
,

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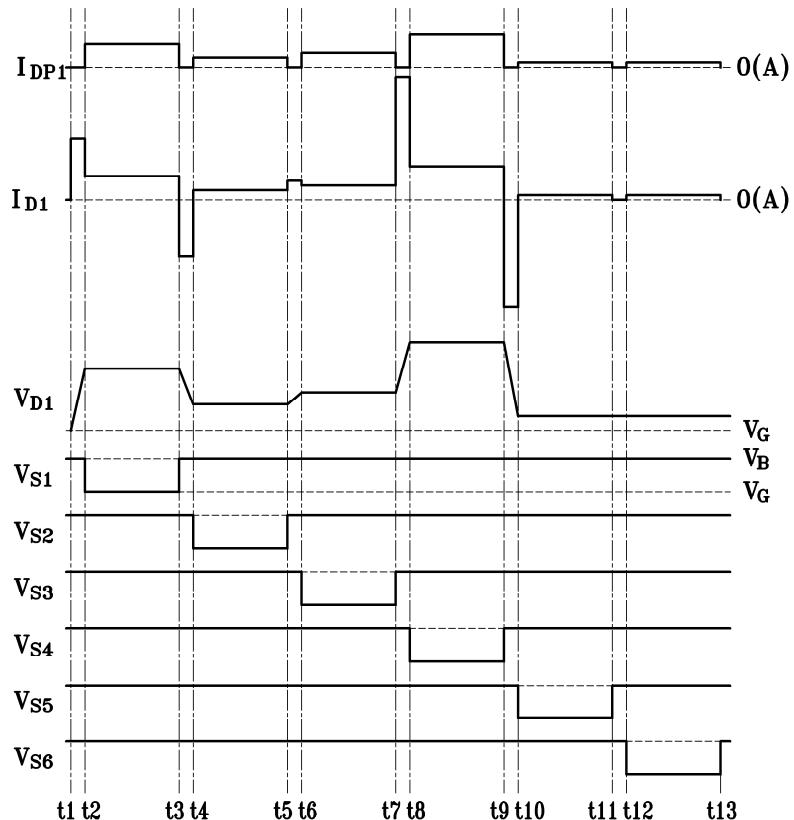
가

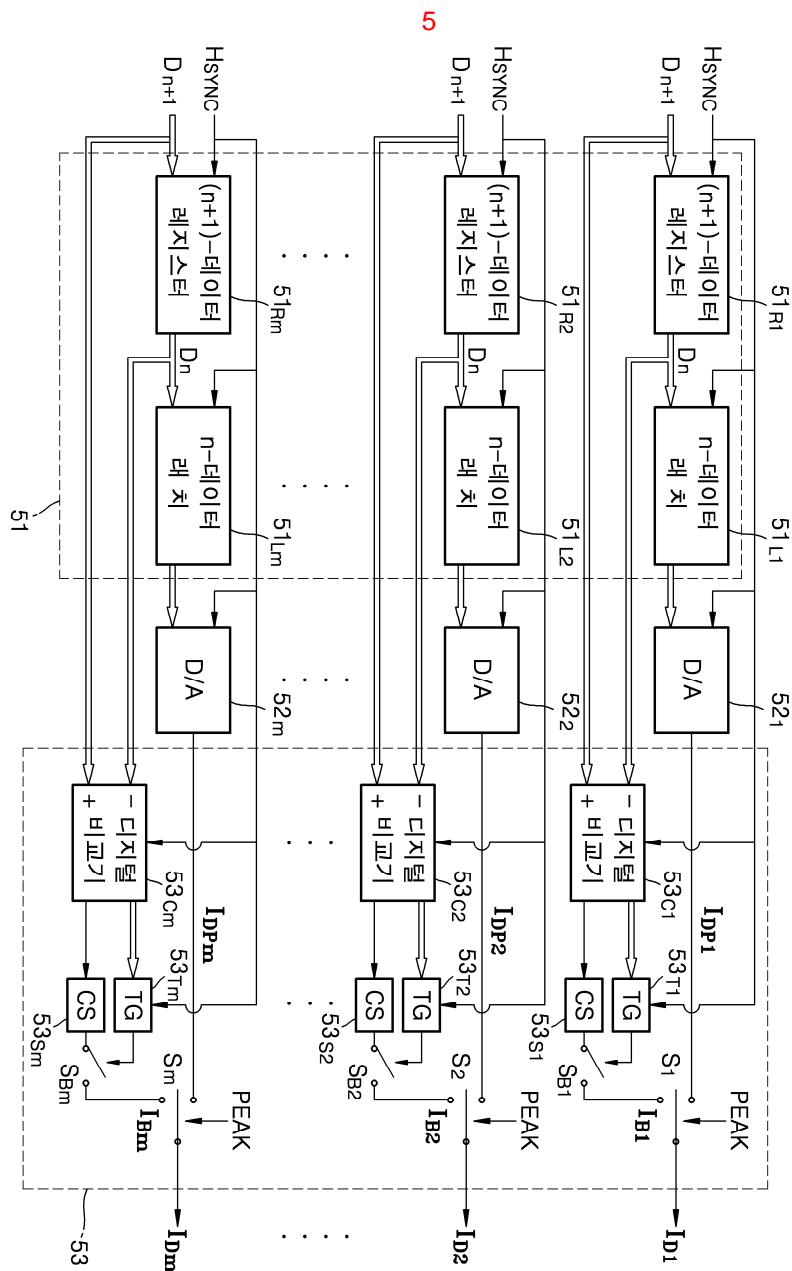


3

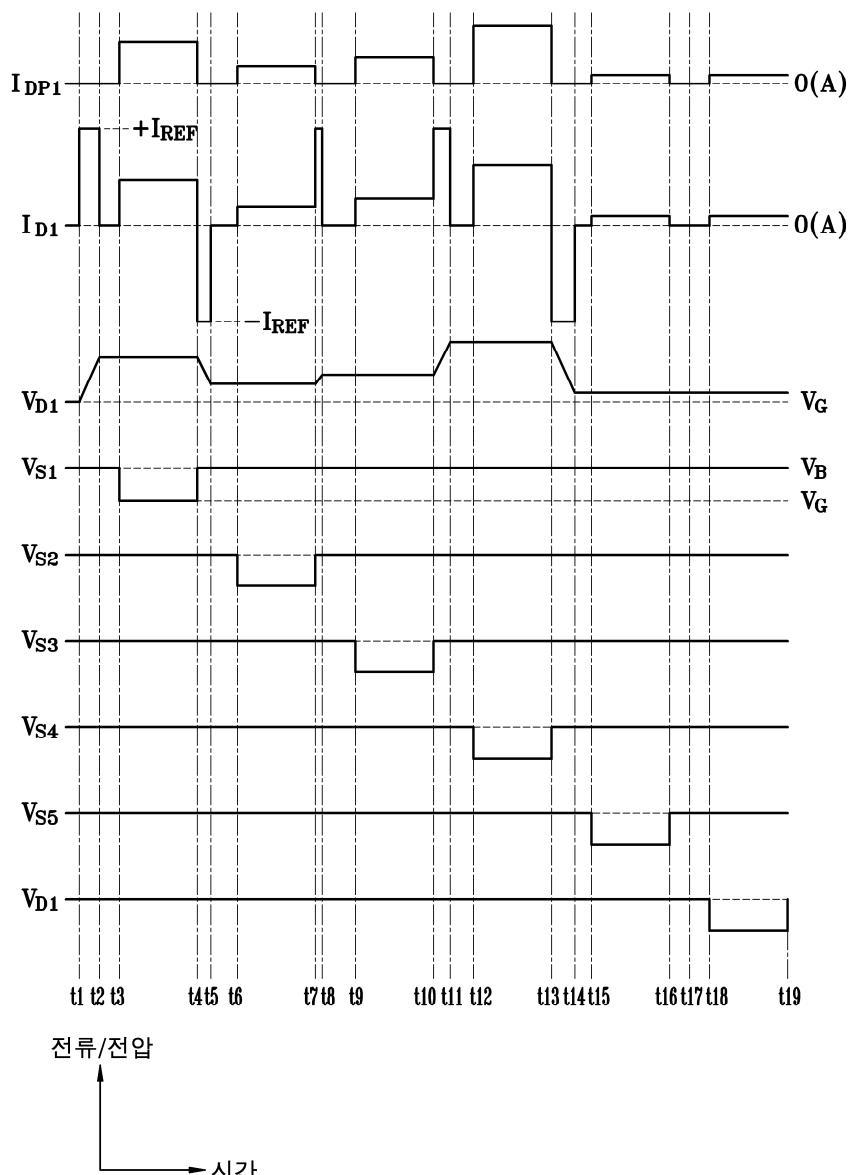


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专利名称(译)	一种用于驱动电致发光显示板的方法和设备，其中有效地执行引导		
公开(公告)号	KR1020040089881A	公开(公告)日	2004-10-22
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[标]申请(专利权)人(译)	三星显示有限公司		
申请(专利权)人(译)	三圣母工作显示有限公司		
当前申请(专利权)人(译)	三圣母工作显示有限公司		
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发明人	가와시마싱오 야마구치수지		
IPC分类号	G09G3/30 H01L51/50 G09G3/32 G09G3/20		
CPC分类号	G09G2310/027 G09G2330/021 G09G3/3283 G09G2320/0209 G09G2320/0223 G09G2300/06 G09G3/3216 G09G2310/0248		
其他公开文献	KR100903099B1		
外部链接	Espacenet		

摘要(译)

ELD面板的驱动方法和装置本发明涉及ELD面板的驱动方法和装置，它接下来分别在水平驱动时间的初始时授权数据电极线引导电流对应于ELD面板，其中它形成扫描电极线放置固定间隔与数据电极线交叉并且在这些交叉域处形成电致发光单元，水平驱动时间的显示数据信号，接着，显示数据信号，每个移位矢量的水平驱动时间。在这里，绝对总是固定引导电流的值。接下来，每个认证小时的引导电流与显示数据信号成比例，每个水平驱动时间相对于水平驱动时间的显示数据信号的变化量。

