

8 4 ,
 9 5 ,
 10 6 ,
 11 7 ,
 12 8 ,
 13 9 ,
 14 ,
 15 ,
 16 ,
 17 ,
 18a 18b ,
 19 ,
 20 .

가
 ,
 < 1 >
 1 1 .
 1 ,
 가 ()
 ,
 1 , Tout (LD)(
) (10A); (10A) 가 (Ic) (30A)
 (20A); (Tout) (20A)
 (10A) 가 (Ic) ()
 (30A); (20A) (SR)
 (10A) (30A) 가
 (40A); 1 , (LD)()가
 , 17
 ,
 ,
 ()

2

(10A) , (1c)
) (10A) , 2 (11) (30A)
 (12)
 (10A) (1c) 가 ,
 가
 가 (11) (12)
 가
 d) 2 가 , (11) , () (CT1) , (Vd
 가 (R11); (R11) (12)
 (11) (N11) pnp (((SET)가
 'pnp (Tset)) (Q11); pnp (Q11) (Tin) P-
 ('PMOS (M11);
 (, 6 (IN1 IN6)
 (CT1 CT6)가 (N11)). , (CT1 CT6) pnp
 (Q11 Q16) (Tset) (IN1 IN6) (Q11 Q16) (Tin)
 PMOS (M11 M16)가
 , (IN1 IN6) (SET) (((IN1 IN6)
 가 (11) , (SET) (IN1 IN6) (12)
 (N11)
 , 2 (12) , (11)
 (N11) npn ('nnp ,
)(Q21); npn (Q21) (R21); (11) npn
 (()(Ic)가 (Tcs) (Q22); npn (Q22) (Vss) (N11)
 (R22); (Q22); npn (Q22) (Vss)
 , (Ic) (11) , (N11)
 (30A) 가 (, (Ic) (30A) (Tcs) (10
 A)
 (10A) , (11)
 (12) (12) (, (10A) (11)
 (IN1 (Ic) IN6) (Ic) 가
 , 2 (12) npn (Q21 Q22) (R21
 (R21 R22) npn (Q21 Q22) 가 , (R21 R22)
 R22) (Ic)

(
1
(20a) , (40A)
, 가 (SR)
()

1 (40A) , (20A) 가 (SR)
(30A) (10A) (Ic) (30A) Ic가
(30A) 가 (40A) (30A) 3 가
()

3
4a 4b
(30A) , (20A) (10A)
(Ic) (Tout) , 3 (30A)
, (40A) (31)
(32)

가
가
가
3 (31) (N31) (10A)
(Tcs) PMOS P
(M31); MOS (Vdd) (N32) (10A) (Tcs) PMOS (M33); (Vdd)
) (20A) (N31) (Tsr) (C31); (N32) 가 (32) (32)
(N33) 가 (EN)가 (Ten)

PMOS (M34);
(20A) (SR) / - PMOS
(M31 M33) (40A)
(Vdd) (N31) (C31) PMOS (M32)

3
(Q31 Q32); (N33) (32) npn
(Q33); npn (Q33) (Vss) (R1); (Idv))가 npn
(LD)) (31) (N33)
(Tout)(LD)) (Idv)
(Vss), (LD)

(30A)

(32) (30A), (31)

(lc) (Idv) (30A) (31)

3, npn (Q31 Q33)
(R31, R32) (R31, R32) npn (Q31
(Idv))

()

()

(Ten) 4a PMOS (M34)
가 (EN) 가 -
(IN1 IN6) (lc),
(Tcs)(10A) (Tcs))
(SR) (Tsr) (20A) 가
(40A)) PMOS (M31, M33) -

(lc) (N31)(, PMOS (M32
(C31)) 가 , PMOS (N31) (P
(M32) (lw) PMOS (M32, M33))
(lc) Tcs)

(Vdd) (N31) , PMOS (M32)
(C31) (lc)
(C31) , - PMOS (M31, M33)
(20A) (Tsr) (SR)
가 (lw)

()

(Ten) 4b , PMOS (M34)
가 (EN)가 가 -
(C31) PMOS (M34)
(lw)=(lc)) (N33)((32
(lac) PMOS (M32, M34)

(32) (ldv) (lac) , (Tout) (LD) 가 , (Ten)
(30A) (LD) 가 (ldv) PMOS (M34)가 -

()

(lc)가 (10A) (20A

c) 가 (SR), (40A) (lc) (40A) (I
- (10A) (lc)
(lw) (30A), (20A)
(SR), (40A)
(lc) (30A) 가 (EN)
(30A) 가 (30A)
Tout) (ldv) ()

가 MOS

가

(15)

가

가

MOS

MOS

200cm²/Vs

MOS

(μe)

가

5a 가 , 5b 가

5a 3 (31) (C31) 가
가 , PMOS (M32 M33)가 PMOS (M34)가
(C) , (M) PMOS (M32) , (C
31) . (M) (S) (C)
5b (M32) V(t), (C31) (t)

$$) \quad , \quad 5a \quad , \quad (lin)가 \quad (M) \quad (D) \quad , \quad V(t) \\ , \quad Id \quad (M) \quad 가 \quad (Id) \quad (1)$$

$$I_d = A^* V(t)^2 \dots (1)$$

$$A = (1/2) \cdot C_{in} \cdot \mu_e \cdot (W/L), C_{in} \quad (M), \quad \mu_e \quad (M), \quad W \quad (M), \quad L \quad (M).$$

$$C \cdot dV(t)/dt + AV(t)^2 = \text{lin} \dots (2)$$

(C) , (M) V(t), , (M) (C) (C) (t) 5b , τ (3) , t = 3 τ , V(t) V(s) 99.5% .

$$\tau = C / \sqrt{A} \cdot \text{lin} \dots (3)$$

(τ) (C) (μe) 1/2 .
 , TFT가 (M) 가 , (C) 6pF , W/L 100μm/30μm
 (μe) 70m²/Vs , 105nm , 가 (lin) 10μA, (τ)
) 1.24 μs가 , 가 120 , 32 .
 139μs , 가 245m²/Vs , (τ)
 0.096μs (M) 가 (μe) 160(iRGB) 1/4 VGA .
 482 , 120 (C)가 0.51pF , (τ) 가
 (μe) 70m²/Vs , 1/4 VGA
 0.096μs가 , 1/4 VGA , (M) (μe) 200cm²/Vs
 , 가 (C) 0.5pF 가 .
 , (τ)가 (C) (μe) 가 (τ) (μe) 1/2 ,
 , (C)가 (μe) 가 (τ)

MOS

MOS

< 2 >

6 2 ,
 1 ,
 2 , 가 ,
 가
 6 , (lc)
 , (10B); (Tout)
 가 (lc) (30B); (30B)
 (31a, 31b) (10B) (lc)
 (31a, 31b) 가 (20B)((21a, 21b));
 (30B) (31a, 31b) (10B) (lc) 가
 (41a, 41b) (10B) (30B) (Tout)
 (SEL) (40B); (31a, 31b) (To
 ut) (31a, 31b) (50B); .

31b) (10B), (20B)((21a, 21b)), (30B)((31a,
 (40B) 1
 , 1 (21a) , (Tout) (30B) 1
 (31a) 1 (41a) (SR1)
 , 2 (21b) , (21a)
 (31b) 1 (41a) (Tout) (SR2) (30B) 2
 , (50B) , (SEL)
 B) (21a, 21b) (SR1, SR2) 가 , (40
 가 ()
 , 1 (1 (31a) / 2
 (31b)) , 1 (21a) (SR1)
 (30B) (31a) (41a) , (41a)
 - (31a) , (10B) 가 (Ic)
 (21b) , (41b) - (SR2) 2
 , , (Tout) (50B) (31b)
 (SEL) , 가 (EN2) (31b) (Idv)
 (Tout)
 , 1 2 (1 (31a) / 2
 (31b)) , 2 (21b) (SR2)가
 (30B) (31b) (41b) , (41b)
 - (10B) 가 (Ic) (21a)
 (31b) , (SR1)
 , (41a) -
 , (50B) (31a) (SEL)
 , 가 (EN1) (31a) (Idv)
 , 1 (Tout)
 (31a, 31b) (10B) 1 2 ,
 (Idv) (Ic)
 ,
 , (,) 1 ,
 , 가 가 ,
 , ,
 ,
 가 , ,
 ,

1 2 .

3 , 가 가 .

7 (lc) , (10C); (Tout) (30C);
 (32a) (32b) (32a) 가 (lc) 가
 (10C) (20C); (40C); (10C) (lc) (30C)
 (30C) , (10B) 가 (lc)가 (32a)
) , 1 가 (EN1) , (32b) 가 .
 , , 2 가 (EN2) (Tout) ,
 .

R) (30C) , 1 (40C) (20C) (S
 () (32a) , (10C) 가 , (lc) (40C)
 , , 2 가 (EN2)가 (32b)
 , (Tout) .

1 (32a) , 1 가 (EN1)
 (32b) 가 , 1 (가) .
 (30C) 가 2 , (40C)
 1 , (20C) 가 (lc) (SR) (32a)
 , , 2 가 (EN2) 가 (32b)
 , (ldv) .
 (10C) (ldv) (lc) (32b) 가 (32a) (32a)
 ,

1 , 가
 , 2 , 가
 , ,

< 4 >

8 1 3 4 . ,
 1 3 , 4 ,

가 () 2

8 (33a, 33b)); (Tout); (Tout) 2 (6 (30D)(50D)

(20D)((CP1, CP2, ..., CPn); (CP1, CP2, ..., CPn) (lc)

(Tout) 가 (10D); (10D), (40D)(

(20D)((23a, 23b)), (30D)((33a, 33b)), 2

(43a, 43b)) (50D) ,

가

(10D) , (30D) (CP1, CP2, ..., CPn)

..., CPn) 가 (CP1, CP2, ..., CPn)

(10D) (CP1, CP2, ..., CPn)

(CP1, CP2, ..., CPn)

(10D) (lc) 2 (CP1, CP2, ..., CPn) 가 ,

(CP1, CP2, ..., CPn) (30D) (33a, 33b)

(CP1, CP2, ..., CPn) (Tout)

가

가

가

가 (15) 가 (/)

가 ()

가

< 5 >

9 1 4 5

(2)

(PWM)

() 가 ()

4가

4

9, (Tout), (Tout) (30E)(34a), (34b)), (20E)(24a, 24b)), (40E)(44a, 44b)) (50E)

(10E) (10E) (lc)가 가 / - (60E) (CP1, CP2, ..., CPn); (lc) (70E) (CP1, CP2, ..., CPn) (10E);

E)(4 (34a, 34b)), (10E), (20E)(24a, 24b)), (30E)(40E)(44a, 44b)) (50E) (30E)

(CP1, CP2, ..., CPn) (60E) (CP1, CP2, ..., CPn) (10E) (lc) (lc)가 (70E)

(60E)가 - (70E) 1가 (10E) (lc)

(30E) (34a, 34b) (lc) (40E)(44a, 44b))

CPn) (CP1, CP2, ..., CPn) (10E)가 (60E) (70E) (lc)가 (CP1, CP2, ..., CPn)

1 CPn) (70E) (40E) (34a))가 1 (44a)) (CP1, CP2, ..., CPn) (30E) (30E) (Tout) (ldv)

1 (CP1, CP2, ..., CPn) (10E) (60E) (lc) (70E)

가 2 1 (70E) (lc) (70E) (40E)(34b)) (44b)) (30E)(34a)) 1가 (ldv) (30E)(Tout)

(10C) (30E) (lc) (70E) (30E)가

(Idv) (Tout)

(CP1, CP2,..., CPn) (70E) (30E) (Tout) 9

(Ic) (Idv) (PWM) (PWM) (CP1, CP2,..., CPn)

(IN)가 (Tout) PWM (65E) () 가 () (CP1, CP2,..., CPn) (CP1, CP2,..., CPn)

() (20) () ()

가 () () ()

< 6 >

10 6

1 5

5 6

5 가

10 5 (9) (CP1, CP2,..., CPn) (70F)가 (71a, 71b) (60F, 80F) (70F) (71a, 71b) (60F, 80F)

5 (10F) (Ic) (CP1, CP2,..., CPn) (70F) (71a, 72b)

(Ic) (30F) 가 (30F) (70F) (Ic)

(35a, 35b) (30F) (70F) (Ic)

가

가

5 가 , (ldv)
(PWM) 가 , 5 , PMW (60F)
() ,
.
< 7 >
11 7
1 6 ,
.
6 가
가
.
11 , 1:2:4:8 가 가 (I1, I2,
I4 I8) 4 (11a 11d) (10 (10
G); (10G) (I1, I2, I4 I8) (90G) (10
, I4 I8) (SFR); (10G) (I1, I2
G); (91a 91d) (90
(SFR) ()
(10G)((11a 11d)) (90G) (90G)
(I1, I2, I4 I8) (91a 91d) (SWA);
(가) (Is) (SWB) (
) (SWB); (Tout) (30G); (30G)
(Is) ()
(SWB) (30G) (Is)
(40G) .
(10G), (90G), (SWA) (
SWB) (30G) (40G) (Is)
.
(30G), (40G), (30G) (Tout), (Tout)
(90G) (SWA, SWB) (Is)
(CP1, CP3, ...CPn) (10G) (10G)
(I1, I2, I4 I8)가 () .
(11a 11d) (2) ,
(11a 11d) 가 , 1:2:4:8 (SFR),
(90G)((91a 91d)) 가 (SWA) 가 .
,
(11a 11d) 1:2:4:8 가 , (10G)
, (SFR) (SRs)가 (I1, I2, I4 I8)가 (SWA)
, (SWA) (10G) (I1, I2, I4 I8) (91a 91d)
,
, (SFR) (SRs)
(SWA) - , (I1, I2, I4 I8)

(90G) , 가 (ENs)가
91a 91d) (IN1 IN4)가 (91a 91d)
(SWB) (IN1 IN4)가
(SWB) - ,
(가) , (Is)가
,
, (SR)가 (40G)
(SWB) (40G)
(90G) (Is) (30G)
,
, 가 (EN)가
(30G) (Tout) 가 (Idw)
,
,
, 가
가 ,
가 ,
가 ,
가 ,
, 1 가
가 (Is)
가
, 가 (15) , 가 (;) 가
, 가 ()
, () 가

< 8 >
12 8
7
7 , 8

12 , 7 (11)
(CP1, CP2, ... CPn)
(92a, 92b)(11
(90H) 4- (91a, 91b)
(SWA, SWB), 4- (10H)

, 11 (11a 11d) 가
 (I1, I2, I3 I4) 4
 7

(10H) 가 (I1, I2, I3 I4)가 4-
 (CP1, CP2, ...CPn) (SFR) 가
 (SRs)가 (SWA)
 (90H) 4- (92a, 92b)
 가 (ENa, ENb)가 4-
 (IN1 IN4)가 (SWB)
 (I1, I2, I4 I8)가 (가) (IN1 IN

4) (Is)

가 4-

가 4-

< 9 >
 13 9
 9
 8
 13 가 8 (12)
 가 ((I1, I2, I4 I8)가 4- (10J)
 (CP11, CP12, ...CPy); (CP11, CP12, ...CPy)
 (T1out) (T2in) (CP21, CP22, ...CPz) (T2out)

(CP11, CP12, ...CPy) 4- (93a, 93b)
 (90J); 4- (92a, 93b)
 (SWA, SWB) 4- (10J) 4- (Sra) (,
 1 (93a)) (SFR) ((,
 2 (93b)) (I1, I2, I4 I8) 4- (CP21, CP22, ...CPz)
 (I1, I2, I4 I8) (CP11, CP12, ...CPy)
 12
 (T2in) (I1, I2, I4 I8) (T1out)
 (CP21, CP22, ...CPz)

8 (CP21, CP22, ...CPz)
 (())(SRb) (CP11, CP12, ...CPy)
 (I1, I2, I4 I8) 4- (94a, 94b)
 (90K); 4- (94a, 94b)
 (SWC); 4- (SWD); (IN1 IN4)
 (T2out)

(30J) (40J)

(10J)
(90J)
(I1, I2, I4 I8)가 4-
)가
(90J)
(T1out)

, 가 가
(CP11, CP12, ...CPy)
4-
(93a, 93b)
(I1, I2, I4 I8)가 4-
(SWA)가
(SWB

가 (ENa, ENb)
(SEL)
(I1, I2, I4 I8)가
(CP21, CP22, ...CPz)
(T2in)

(SRb)
(SWC)
(CP21, CP
(90K)
(I1, I2, I4 I8)
(SWD) 가 (E
(90K)
(I1, I2, I4 I8)가
(Is)가
(30J)

(30J) (Is)
(40J)
(SWO) 가 (EN)
(SR) (90
(Is)
(30J)
(Idv)
(T2out)

가
(C
(CP21, CP22, ...CPz)
(CP11, CP12, ...CPy)
8
1 가 4
< >
가
14
15
16
14
EL (OEL))
(VL)
(Vsel)
(Ipix))
(VL)
c)
(120)
(160)
(100)
(SL)
(DL)
(DL)
(DL)
(SL)
(Vs
(140);
(150);
(130)
(100)
(110)

(150) (160) .

()

15 (120) (SL) (Vsel), (130) (DL)

(140) (VL) (Vsc)

EL (OE)) (DC) , 가 (

(DC) / - ,

가 , -

EL , EL

- () 가 .

()

(120) (Vsel) (150) (DL)

(SL) (130) (lpix)

15 (120) (SL)

(SSTR), (SB1, SB2, ...SBn) (SCLK) () (110) (Vsel)

(SL)

()

(130) (150) (가 (OE),

(160) (STB), (STR), (CLK)) ()

(lpix) (DL)

(130) 1 4 7 9

1 4 , ,

가 , ()

7 9 ,

가 가 ()

가 ()

가) 가

()

(150) (STR) (120), (SCLK), (130) (STR), (140) (STB), 가 (OE),) (S

(Vsel), (lpix), (Vsc) (110)

(150)

()

(140) (120) (150) (VscI)(

(VL) (VL) ()

(130) (lpix) ()

(140) (Vsch) (VL) (120) -

(lpix) 가 () EL (OEL)

15 (140) (120) (SB1, SB2, ...SBn)

(VL) (VSB1, VSB2, ...V

SBn) (VCLK)) (VSTR),

() (VscI)(Vsch) (VL)

()

(160) (110) (130) 가 TV

()

(160) 가 (120), (130) (150) (140) (160)

(130) , 14 15 (110)

(140)가 (120) (140)가 ()

(Vsc) (120A)가 16 가

(:)

가

17 18a, 18b 19

17 (N1) (DCx) NMOS (SL) (Tr1); (VL)

(DL) (N2) NMOS (SL)

(Tr2); (N1) (VL) (N2) N

MOS (SL) (N2) r3) (Tr3); (DL) (N1) (N2) (Cs) (110) (EL (OEL)) (T
 (N2) (Cs) (OEL)가
 , 19 (EL)
 가
 (Tsc) 가
 (Tsc = Tse + Tnse) (EL -)
 (Tse)
 (:)
 (Tse)) , 19 (Vsel)(Vslh)가
 (120) (i-th line) (SL) (Vsc1)
 (140) (i-th line) (VL) (DL)
 (-Ipix) 가
 (DCx) (Tr1)(Tr2)가 - (Vsc1)
 (N1)(, (Tr3) (Cs)) , (DL)
 (-Ipix) (N2)(, (Tr3) (Cs))
 (N1) (N2) (Tr3))
 (Tr3)가 - 18a (N2), (Tr2) (Ipix) (DL)
 (la)가 (VL) (130)
 , (N1) (N2) (Tr3))
 가 (Cs) , ()
 , EL (Vsc1) (VL) 가 (la)가
 EL (OEL) (N2)) 가 ()
 (: -)
 , (Tse)) EL (- (Tnse)) , 1
 9 (SL) , (Vsel)(Vsell)가 (120) (i-th line) (V
 L) (Vsch) (140) (i-th line) (130)
 , (DCx) (Tr1)(Tr2) - (N1)(,
 (130) (Tr3) (Cs)) (Vsc) 가 , (Cs)
 (Tr3) , (Cs)) 가
 (N2)) 가 (Vsch) (VL) (Tr3) - EL (OEL)
 18b (N2) (VL) , (Ib)가 (Tr3)
 (Cs) (EL (OEL) (Ipix) , EL (OEL) (la)가 (Tr3)

(OEL) (Tse) - EL (OEL) (Tnse) , (Tse) (la) EL

19 , 가 ,

TFT가 (Tr1 Tr3) n- (Tr1 Tr3)가 n- 가

(Tr3) (Cs) () EL (Tr3) (Ipix) (la) (lb)

20 .

()가 (DL) (120B) EL (OEL) (SL) (LED) ()

(LED)가 가 가 가

가 .

, 20 , (130B) 1 9 가

, 가 , 가 , 가 (PWM) 가 , 가

() 가 , 가

. , 3 4 가

, 가 , 가 가

- 가 , 가 가

가 , EL , 가

가 .

가 ,

가 . , 가

가

, , ,
가 , , ,
가 , . ,

가 , () , ,
 , .
가 . .

(57)

1. 가 ,
(Tout);
(10);
(30)

2. 1 , .
3. 2 , (10) ,
(11);
(12);

4. 3 , .

5. 3 ,

(11) (CTn) , 가

- 가 . ,
- 3 6. (12) .
- 1 7. (30) (31) .
- 7 8. (31) 가 (C31)
- 8 9. (31) 가 (M32)
- (C31) (M32) (C31)
- 9 10. (M32) 200cm² /Vs
- 7 11. (32) .
- 11 12. (32) .
- 1 13. (31a, b);
- ; .
- 1 14. (32a, b);
- ; .
- 1 15. .

16.

15

(70)

17.

16

가

18.

17

가

19.

16

(71a, b);

20.

15

(65)

21.

20

22.

1

(CP)

23.

22

24.

22

가

25.

가

(Tout);

(10);

(90);

(SWB);

(30);

25 26. (11)

26 27.

(91) 가

25 28.

(91)

28 29. (91) 가

29 30. (91) 가

25 31.

(92);

25 32.

(SWB) 가

25 33.

34.

33 , 가

35.
34 , 가
,

36.
35 , 200cm² /Vs
.

37.
25 , , ,
.

38.
37 , .

39.
37 , .

40.
가 ,
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;

41.
40 ,
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42.
40 , ,
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;

43.
가 ,
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;
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43 44.

,
;
;

45.

(SL), (OEL) (DL) (DC, OEL) (11
0);
(10),
(30) (130);

(120);

45 46. (30)

46 47. (31) 가
(C31)

46 48. (31) 가 (M3
2)

48 49. 200cm² /Vs

45 50. (31a, b);

51.

45

(32a, b);

52.

45

(70)

53.

52

(70)

가

54.

52

(65)

55.

54

(65)

56.

45

(CP)

57.

56

가

58.

56

가

59.

45

60.

45

(OEL)

61.

60

EL

62.

(110); (SL) , (DL)
(OEL) (DC, OEL)

(10) ,

$$(90) \quad \text{ , } \quad \text{ (SWB); } \quad \text{ (SWB)}$$

(30) (30);

(120);

62 **63.** (11) , (10) .

63 **64.** , ,
(11) 가

62. 65. (SWB) 가 ,

62 **66.** , (90)
(92);

62 67.

68. 65 , 가

68 69. 가

69 **70.**  , $200\text{cm}^2/\text{Vs}$

71.
62 , ,

72.
71 ,

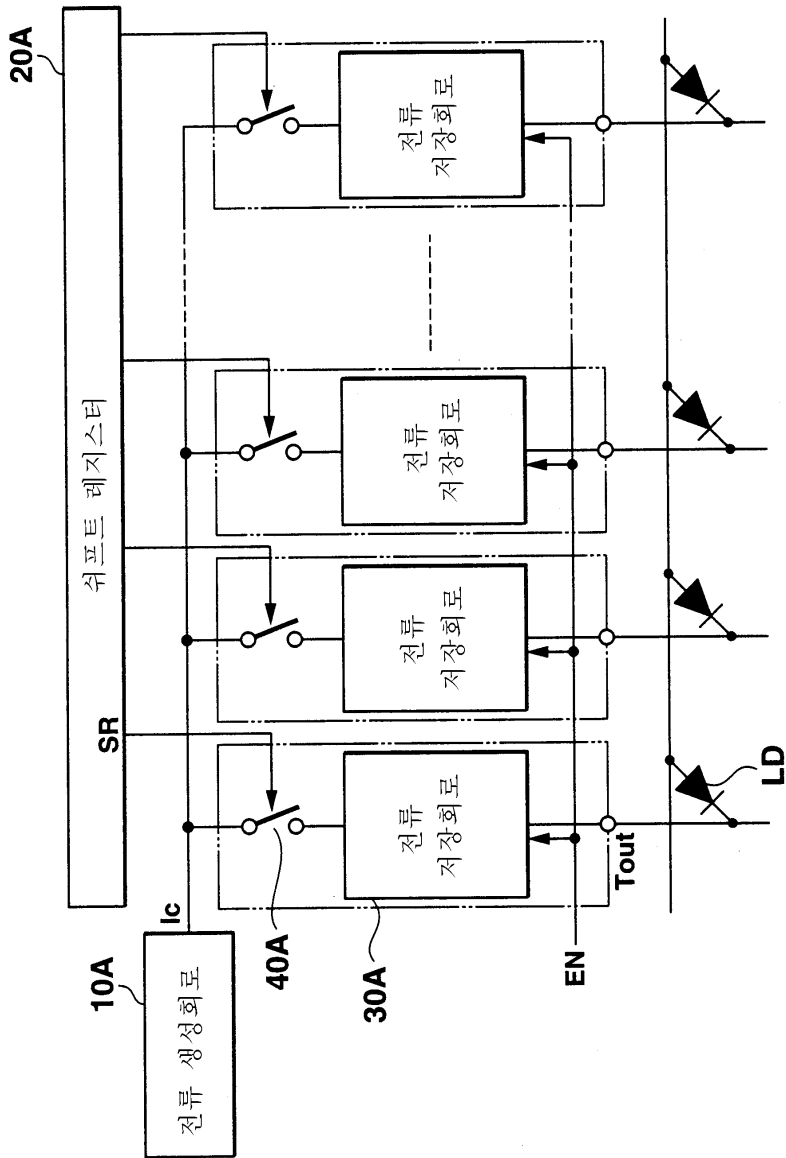
73.
72 가 .

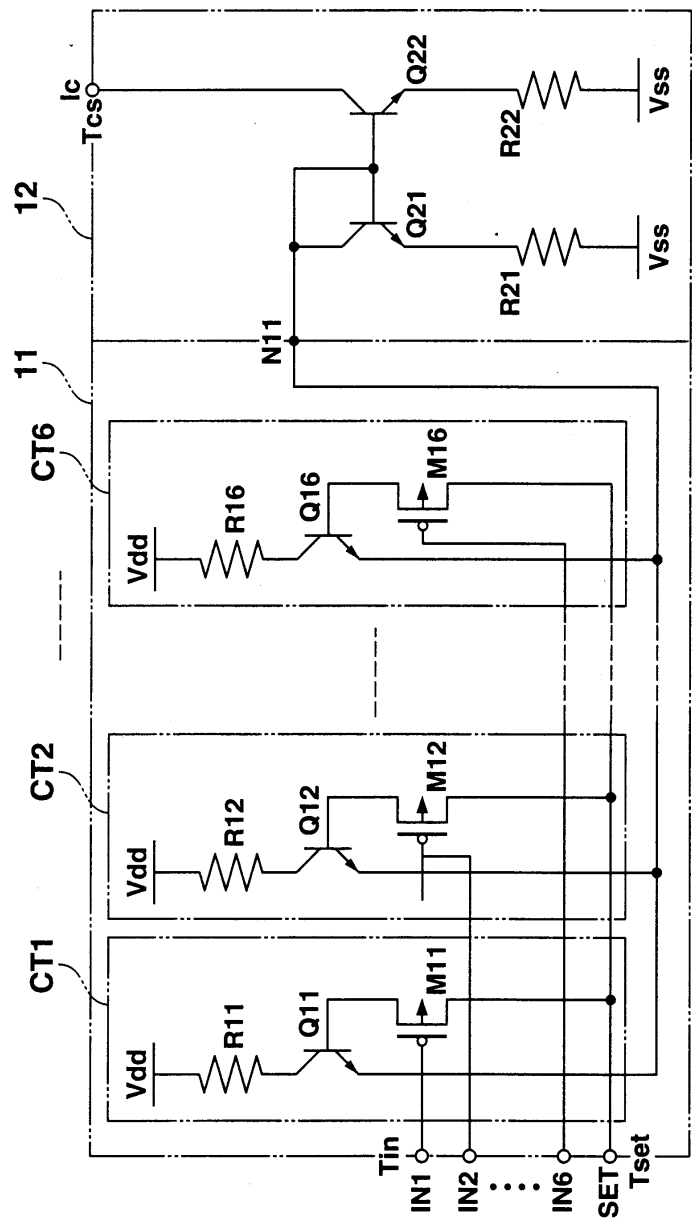
74.
62 ,

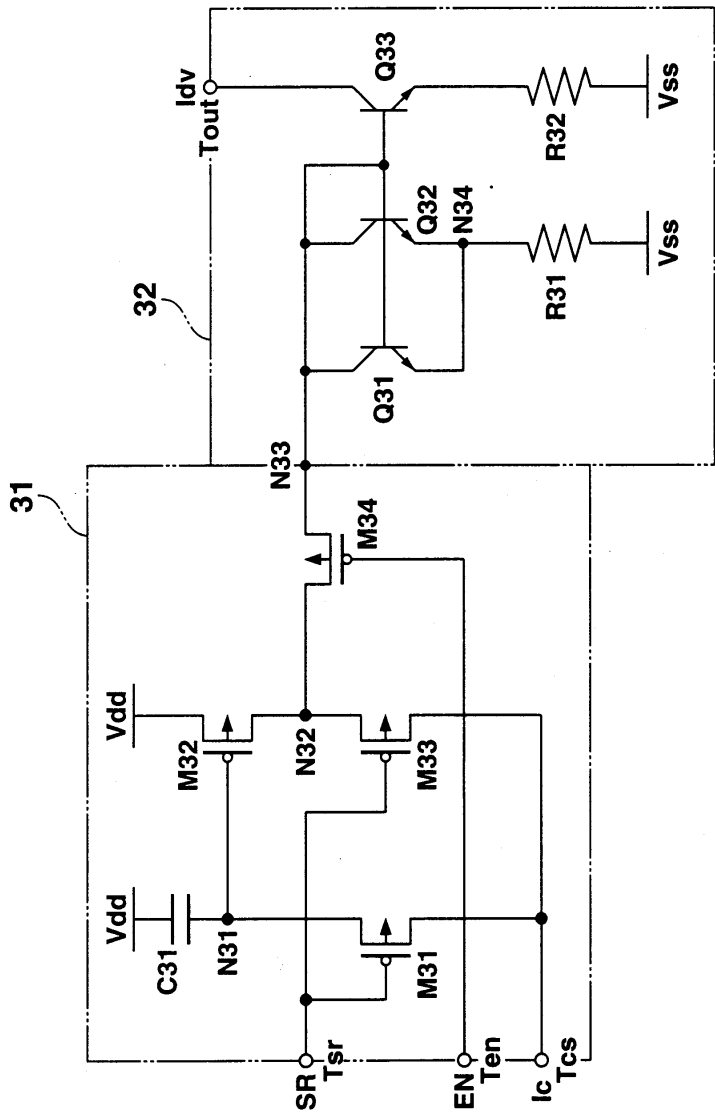
75.
62 ,

76.
75 EL

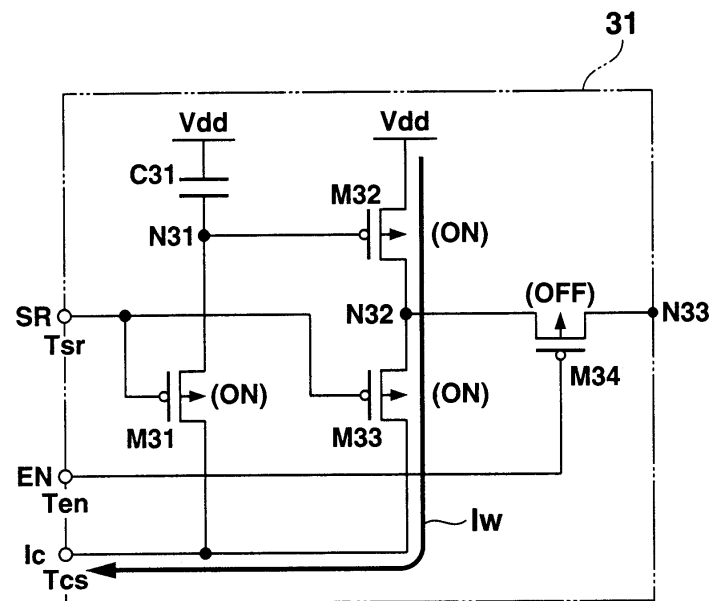
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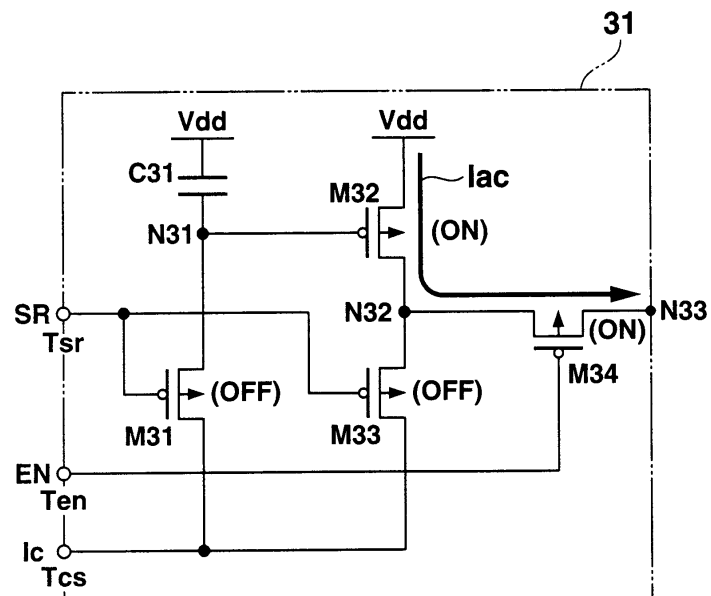




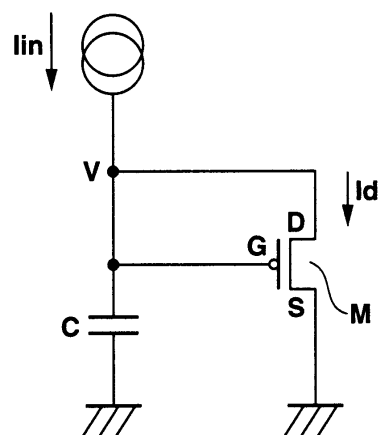
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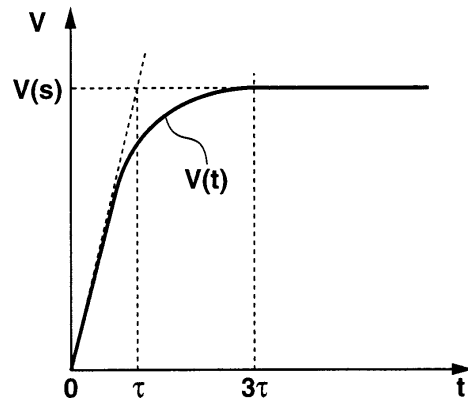
4b



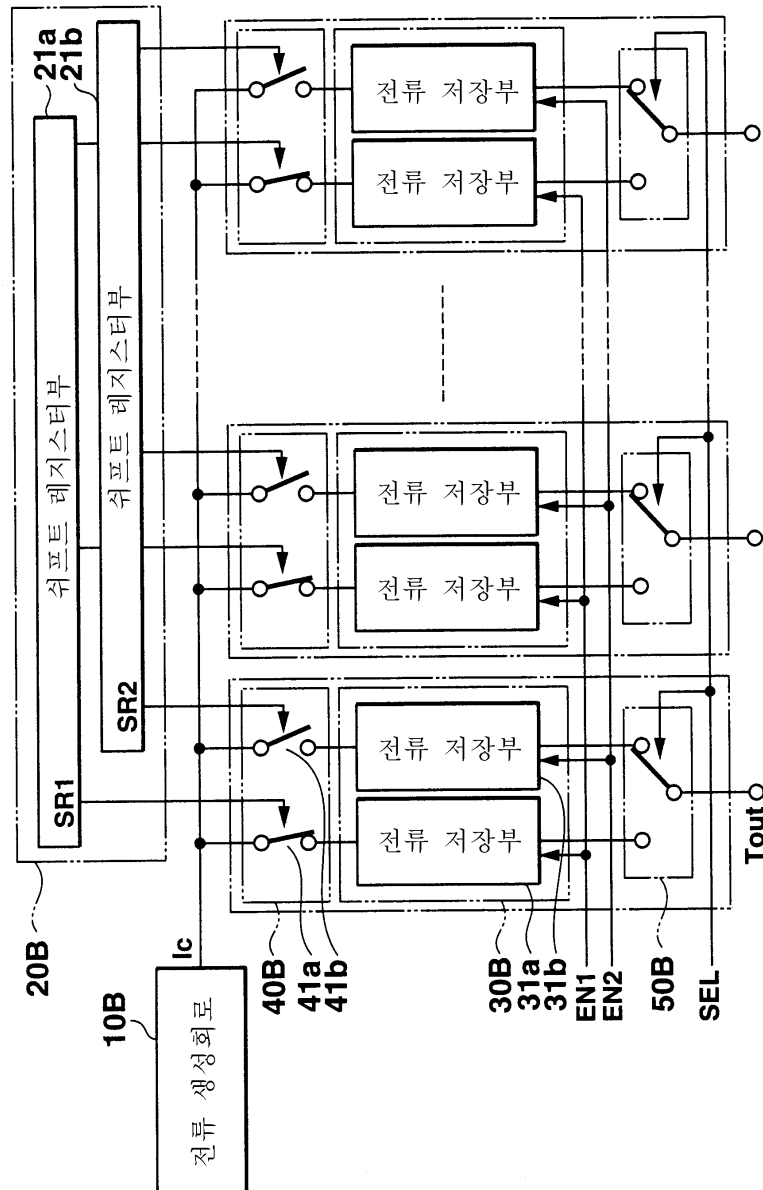
5a



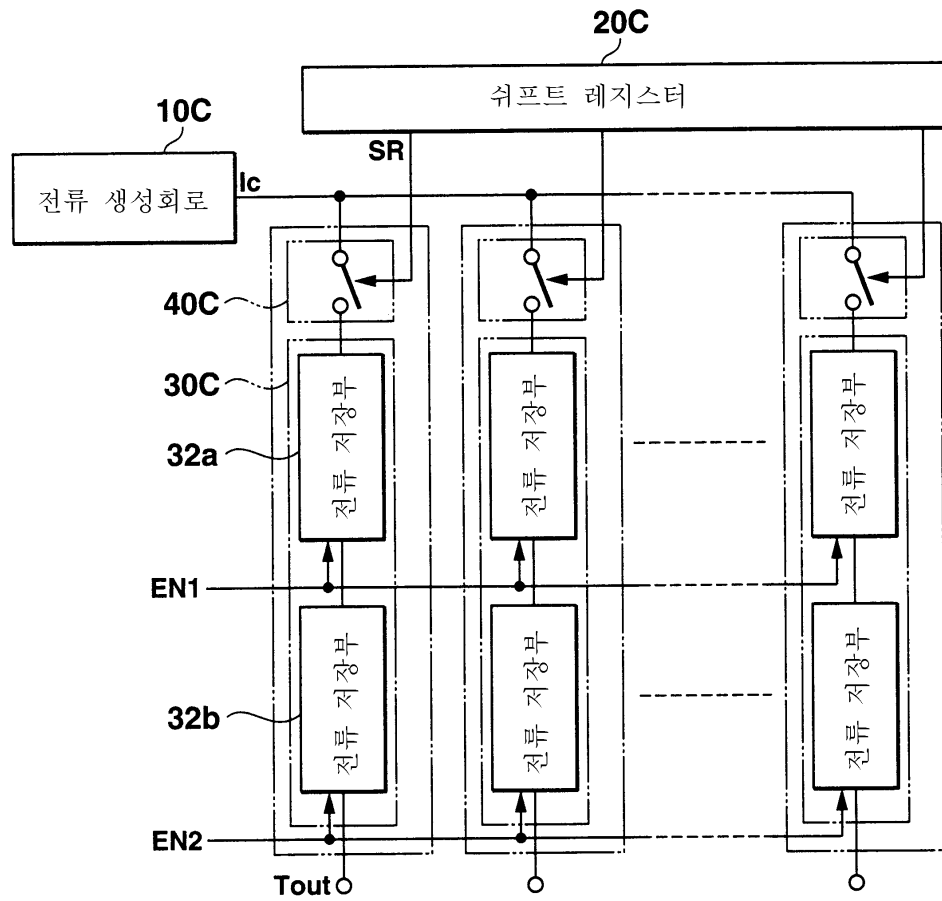
5b

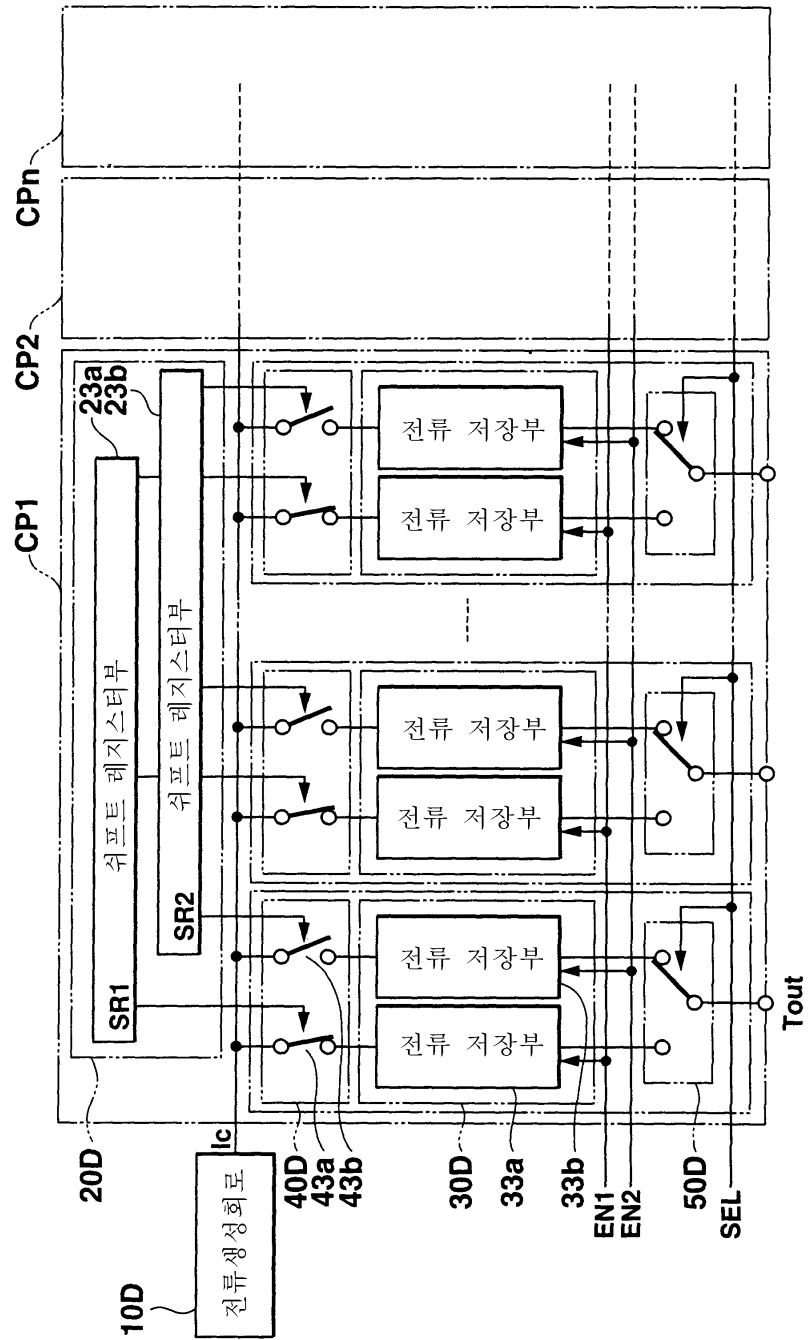


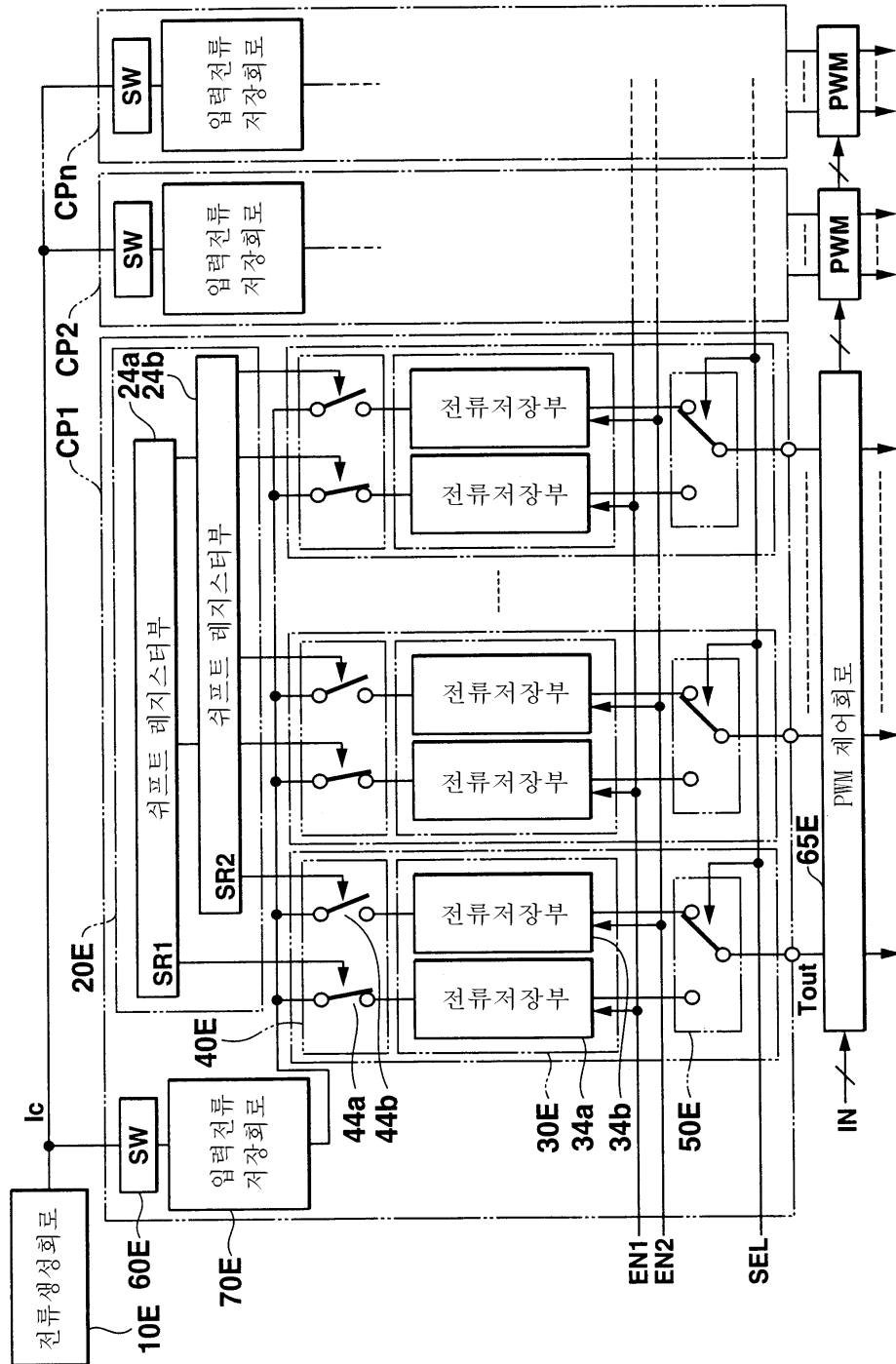
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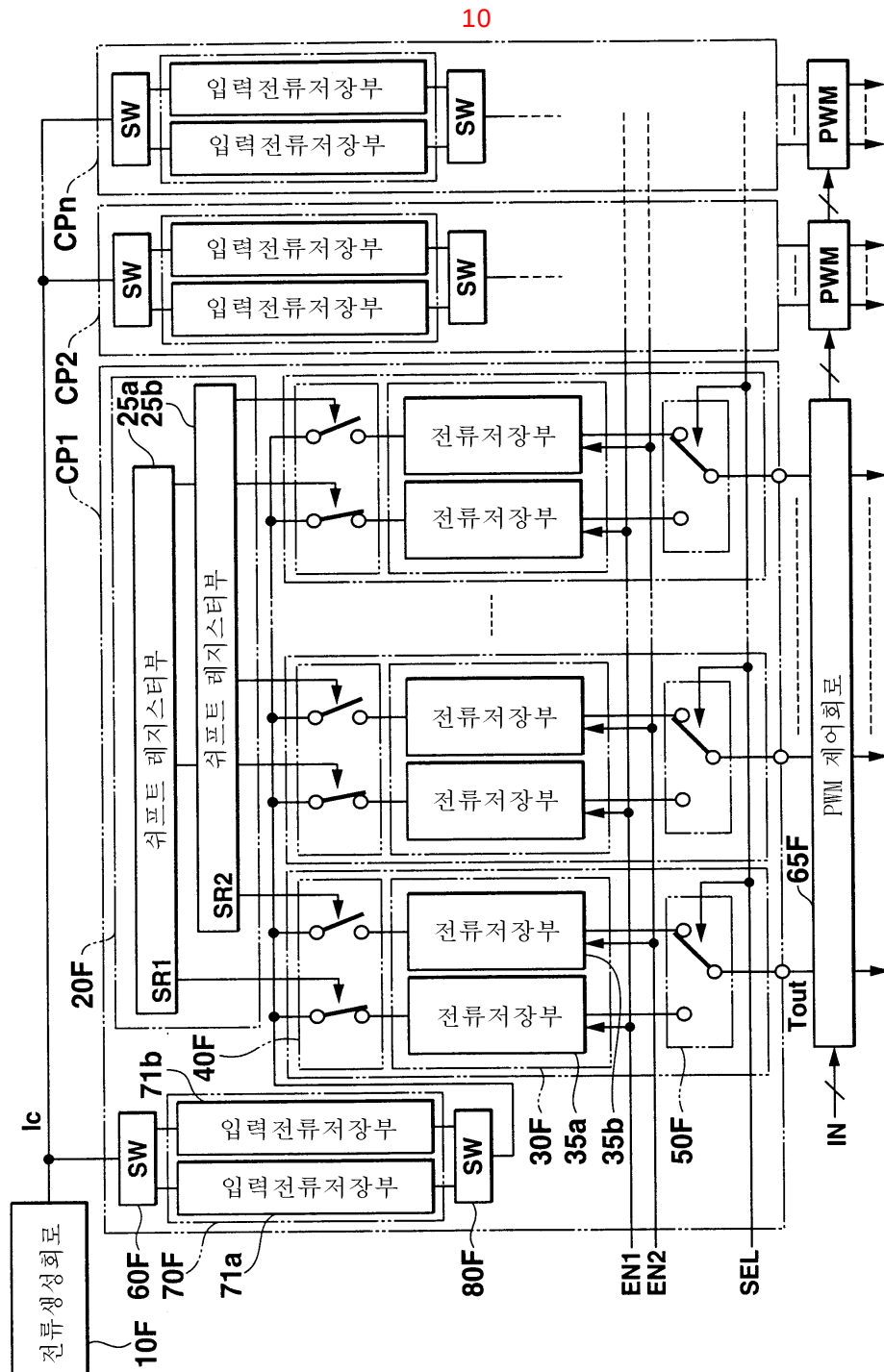


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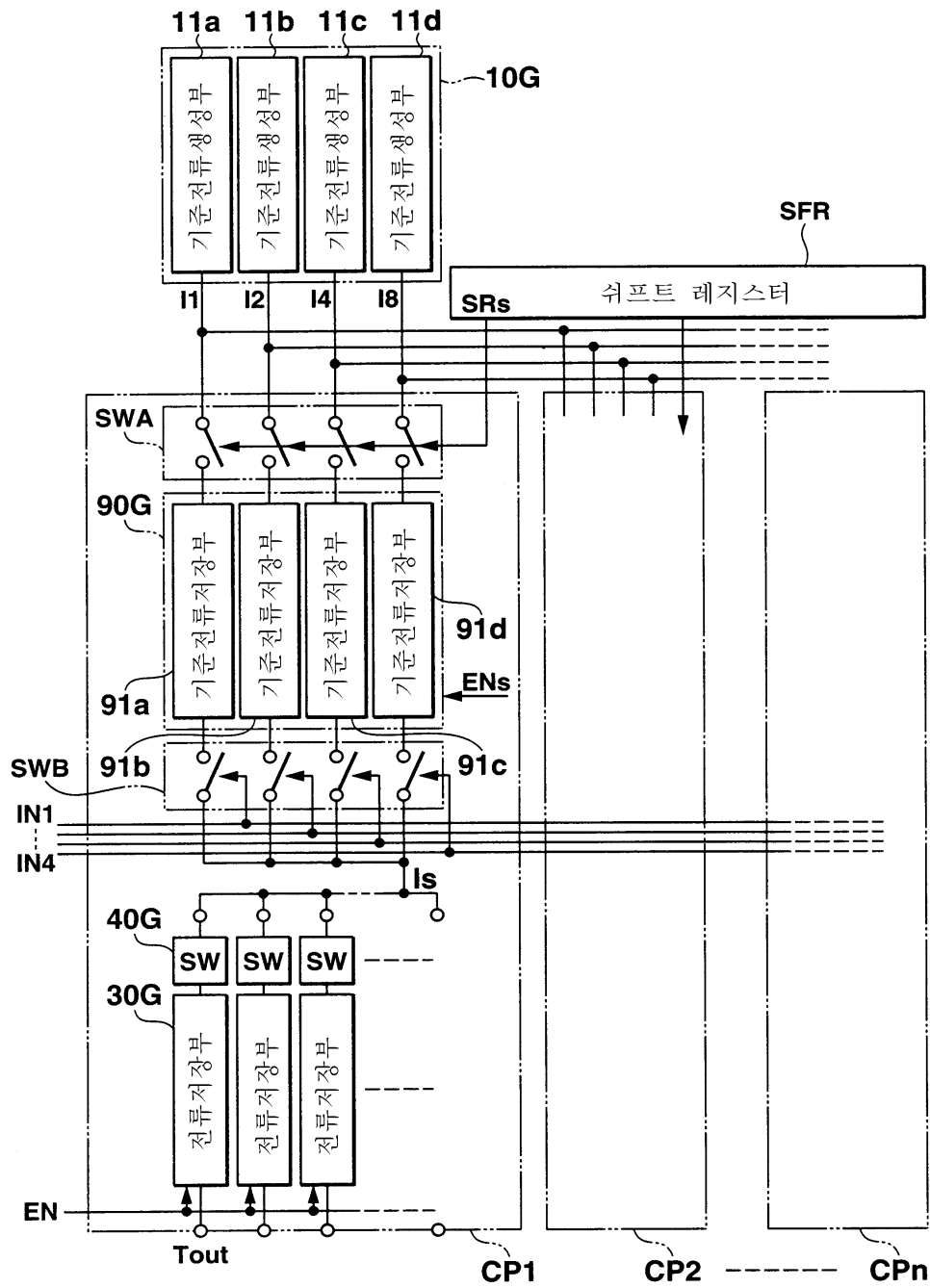




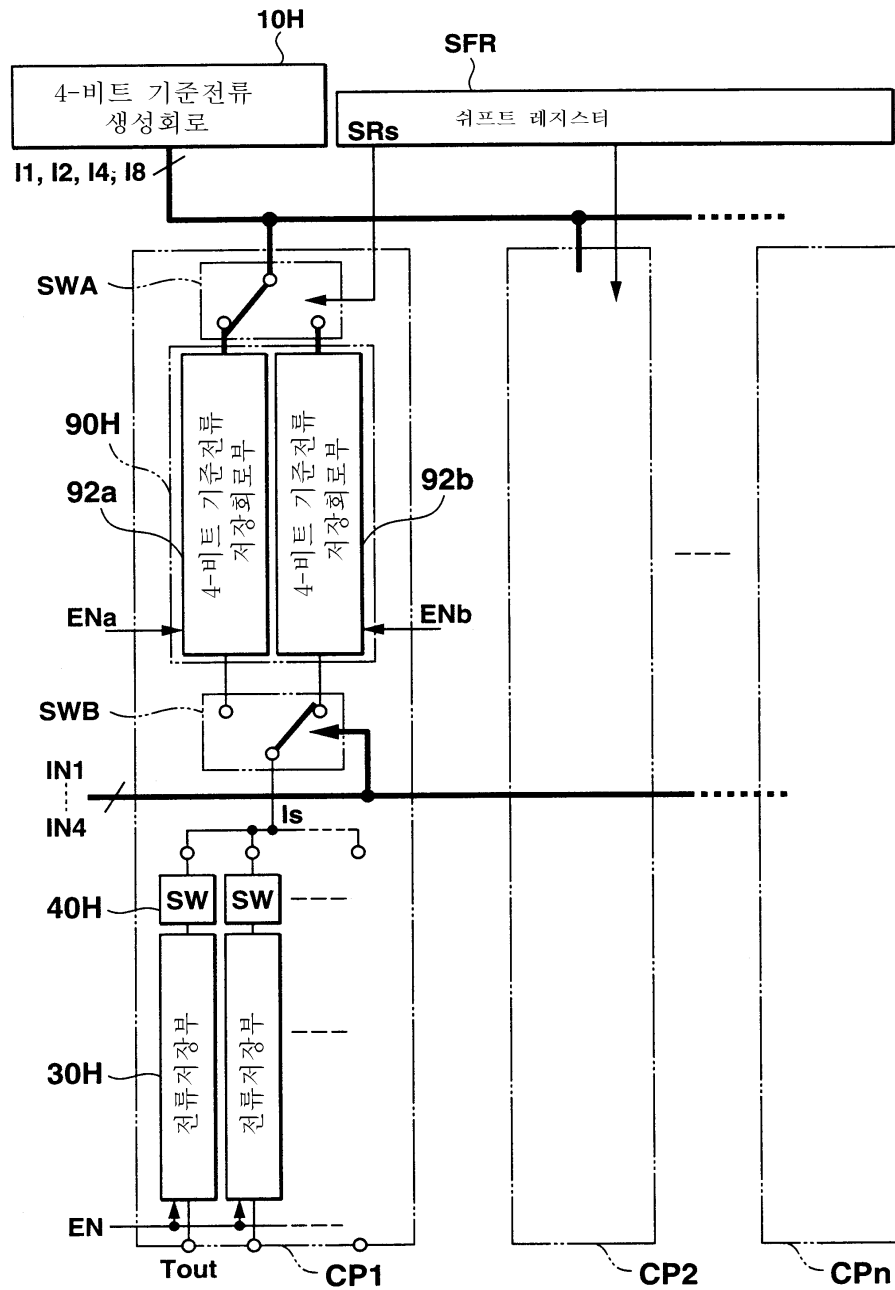


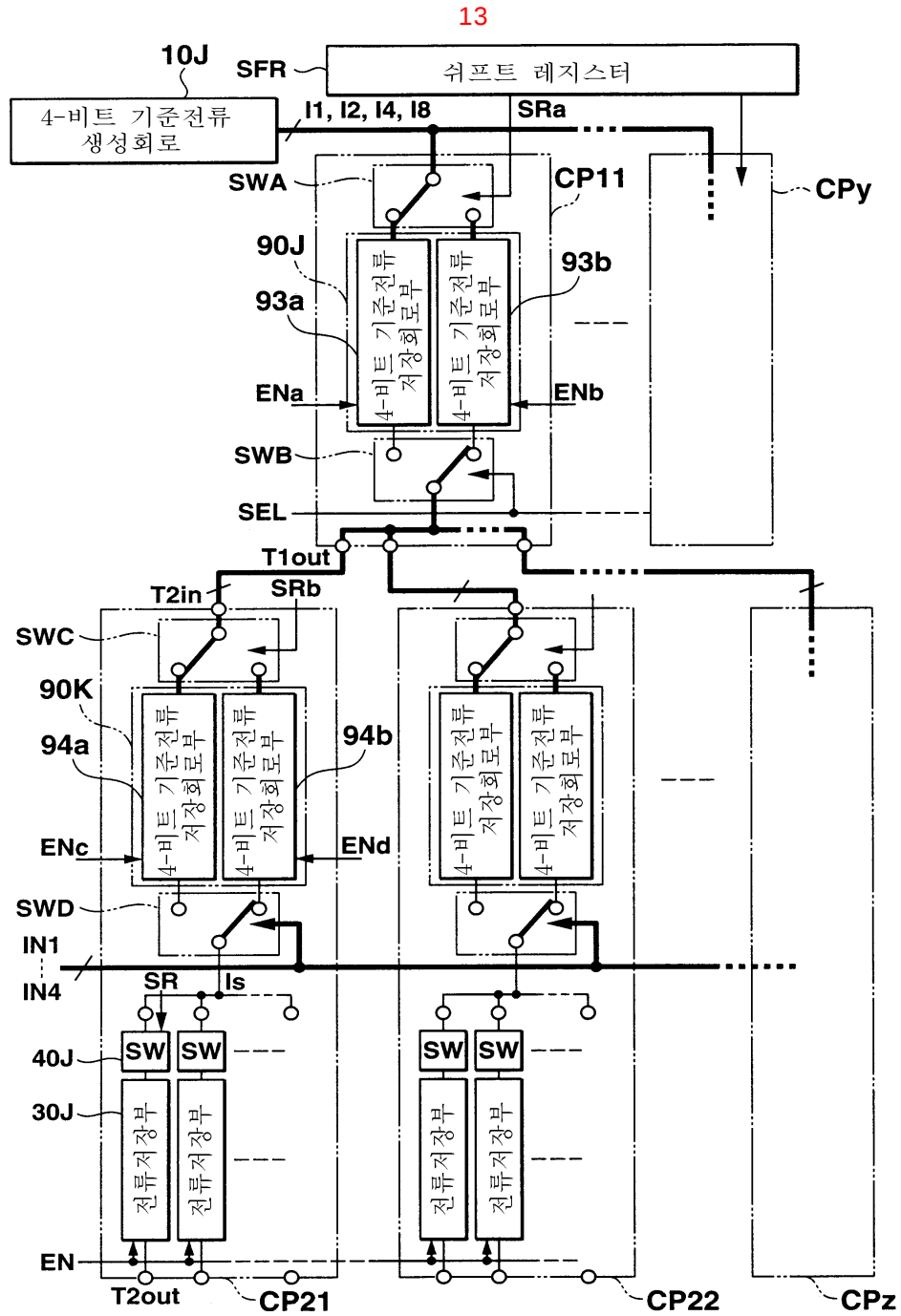


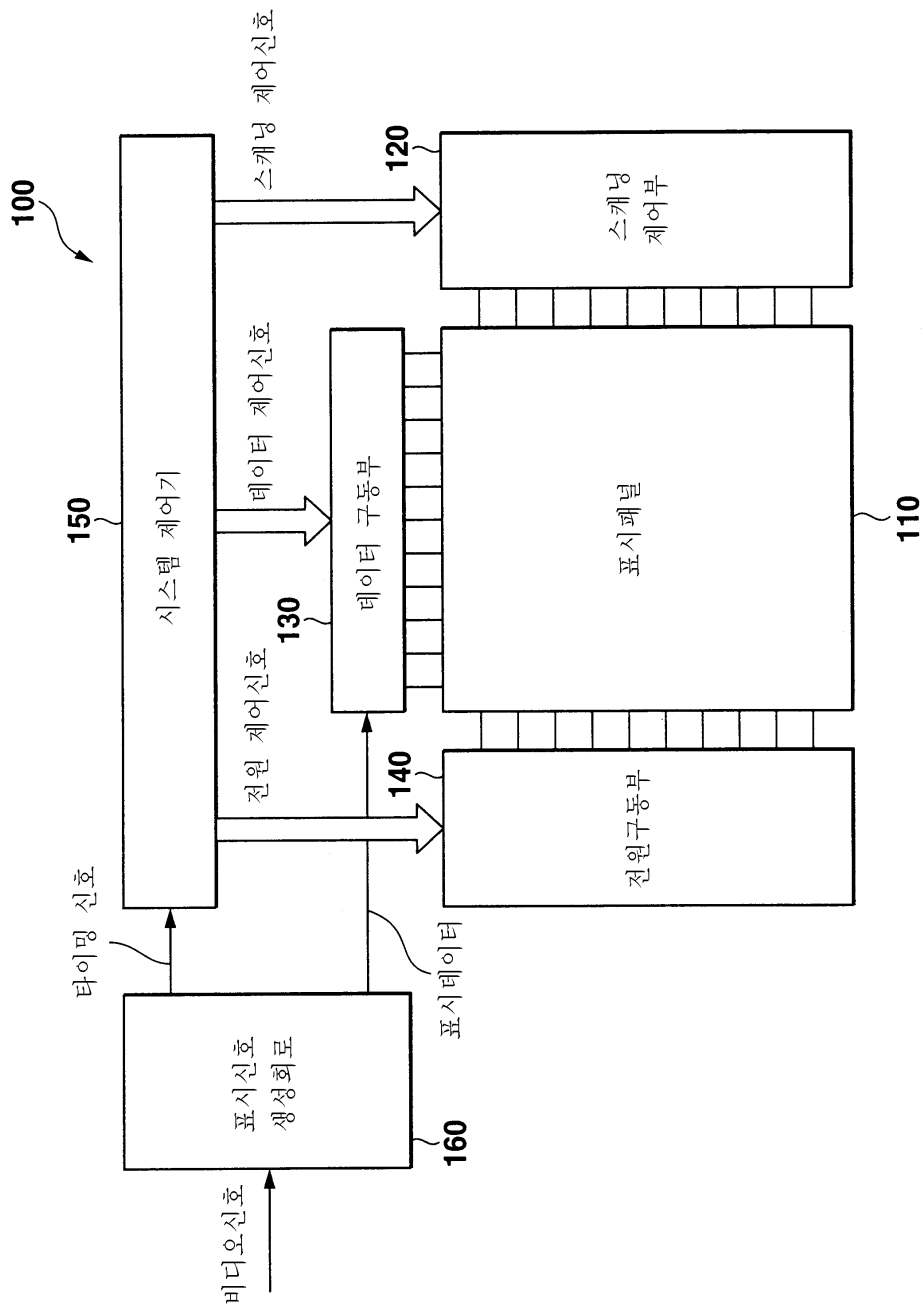
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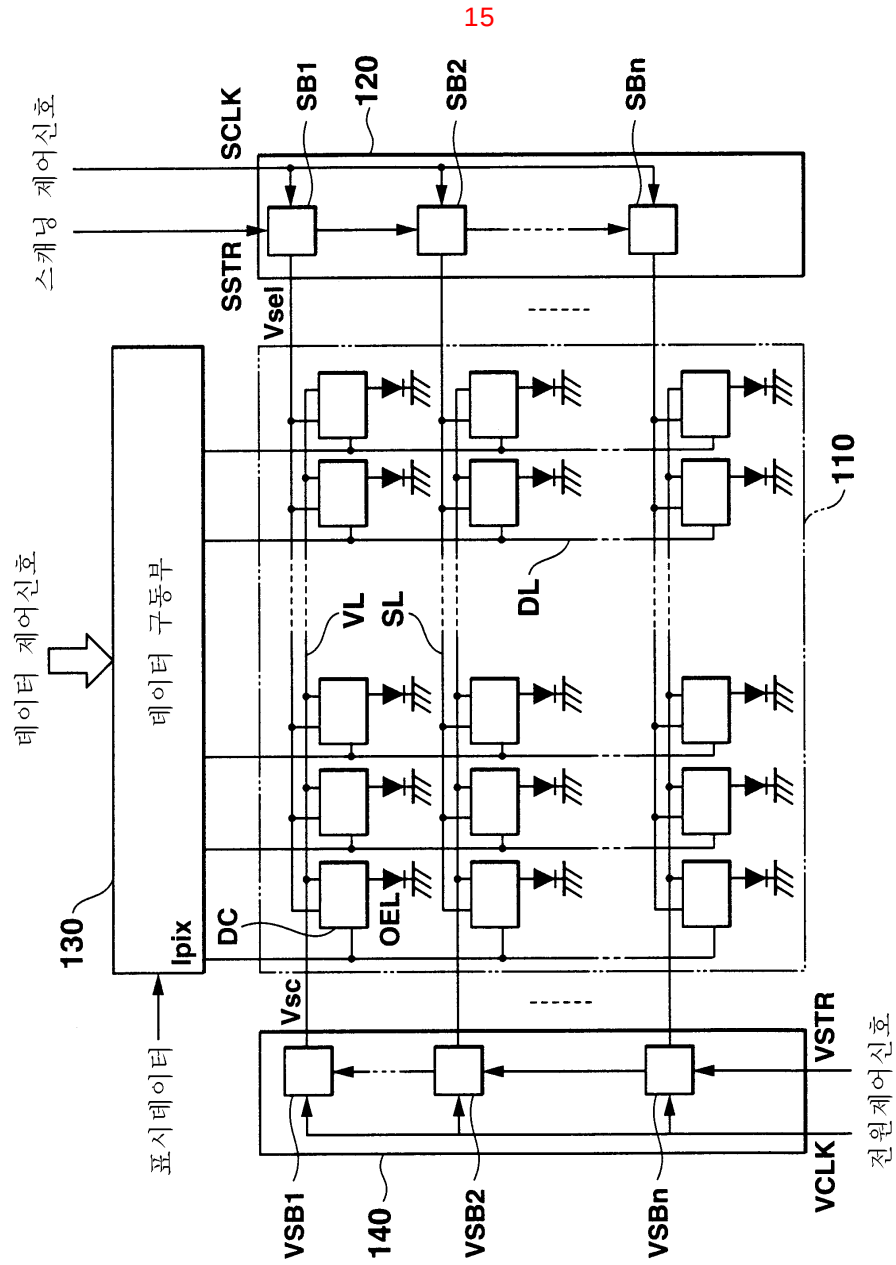


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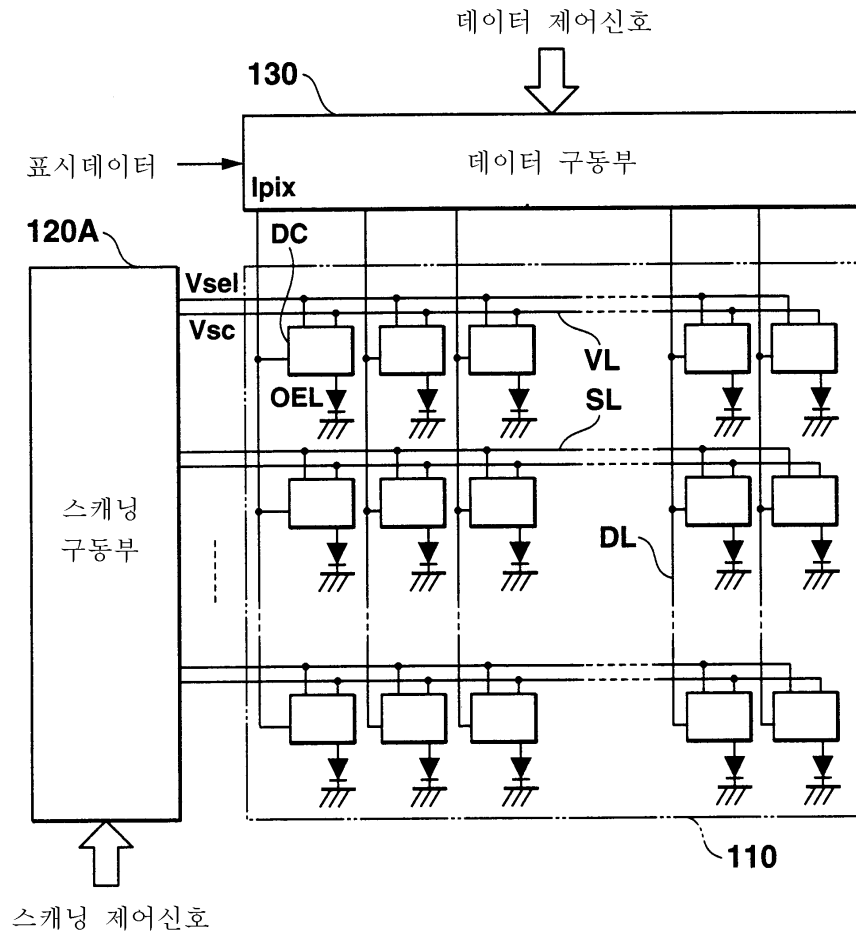




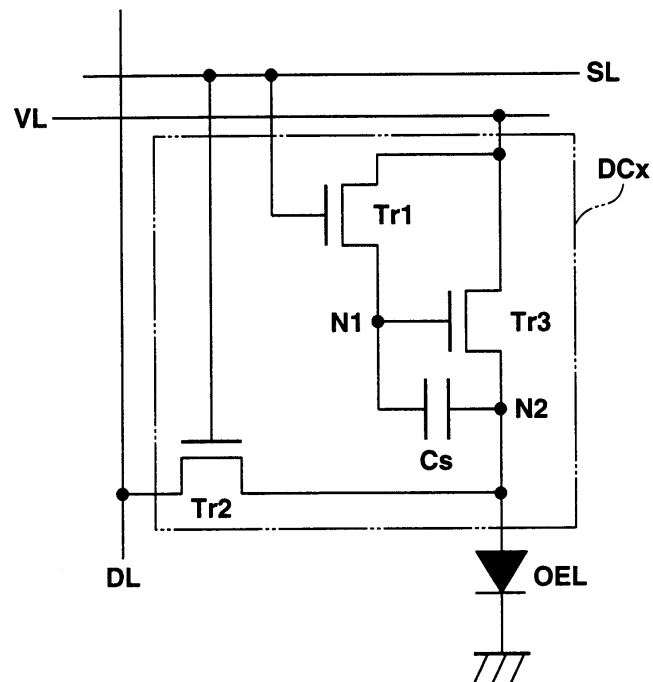


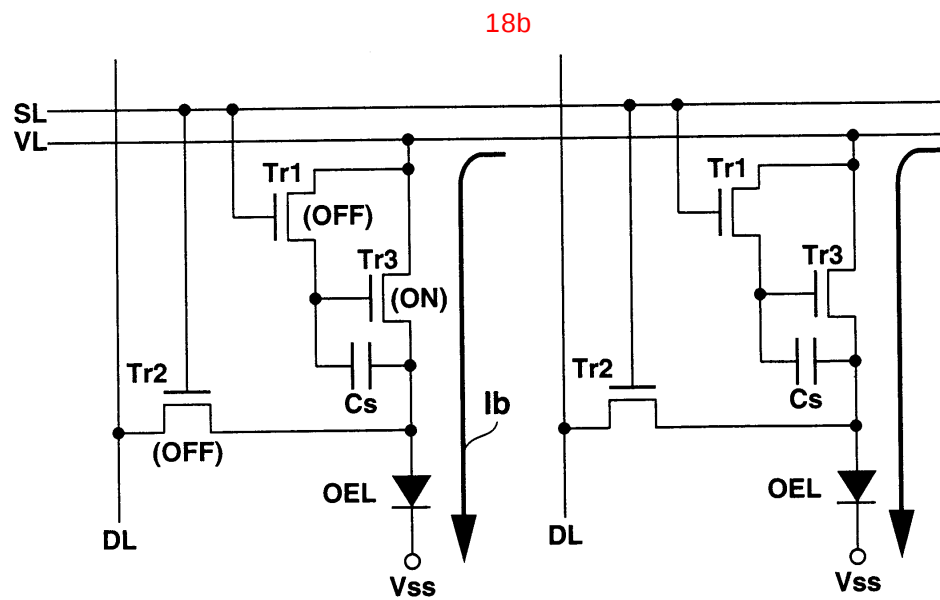
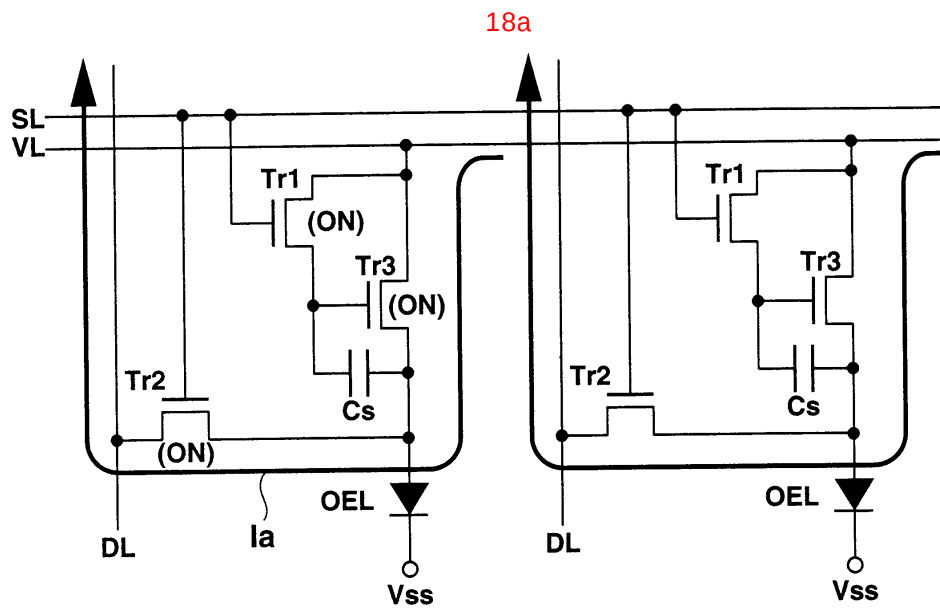


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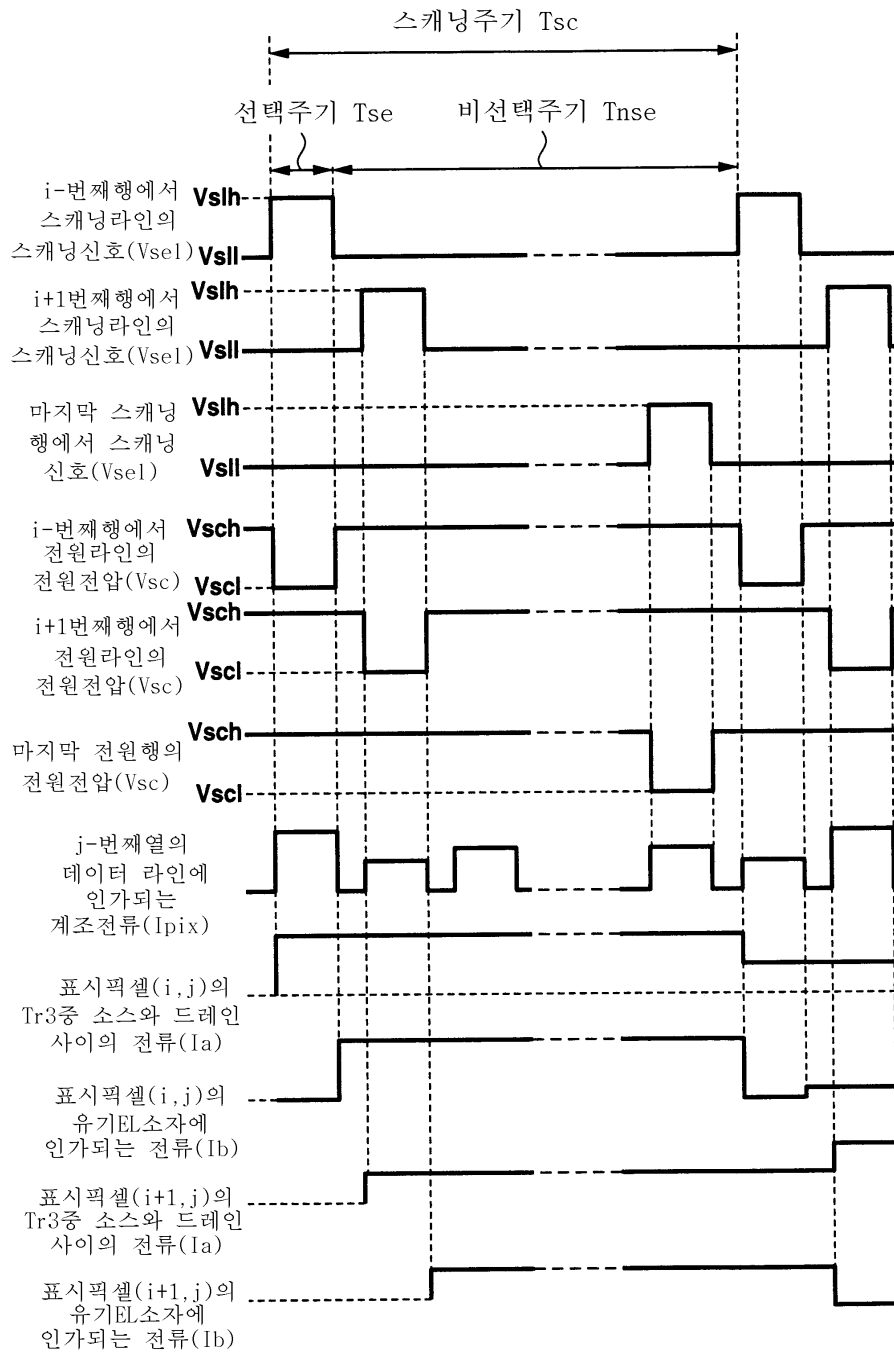


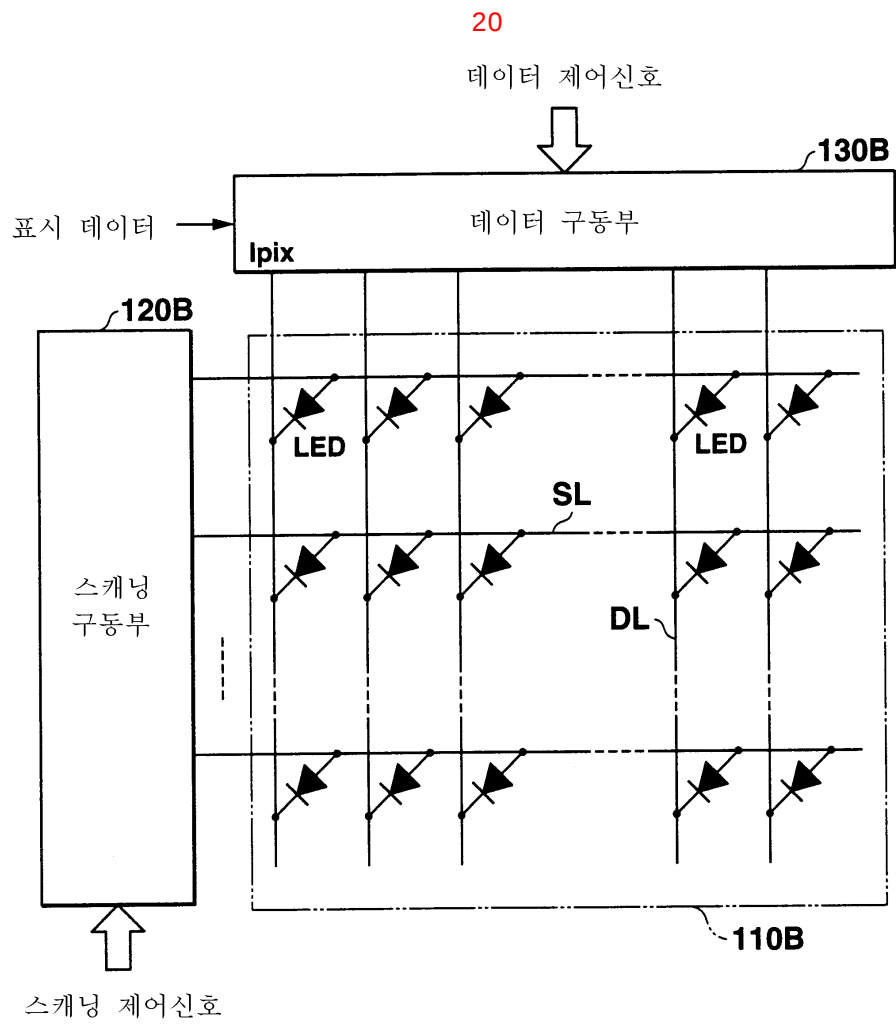
17





19





专利名称(译)	电流驱动电路及其驱动方法，以及使用其的电致发光显示装置		
公开(公告)号	KR1020040034684A	公开(公告)日	2004-04-28
申请号	KR1020047003165	申请日	2003-06-27
[标]申请(专利权)人(译)	卡西欧计算机株式会社 西伯利亚有限公司计算关键财富 服务部礼治 做激光轴.		
申请(专利权)人(译)	计算关键是否西伯利亚有限公司 做激光轴.		
当前申请(专利权)人(译)	计算关键是否西伯利亚有限公司 做激光轴.		
[标]发明人	HATTORI REIJI		
发明人	HATTORI,REIJI		
IPC分类号	H01L51/50 G11C27/02 G11C19/00 G09G3/30 G09G3/32 G09G3/20 G11C5/14		
CPC分类号	G09G3/32 G09G2300/0842 G09G3/2014 G09G2310/027 G11C5/14 G09G3/2011 G09G2300/0866 G09G3/3216 G09G2310/0221 G11C27/028 G09G3/3283 G09G3/325 G09G2310/0294 G11C19/00		
代理人(译)	孙某EUN JIN		
优先权	2002187803 2002-06-27 JP		
其他公开文献	KR100558779B1		
外部链接	Espacenet		

摘要(译)

在用于有源矩阵显示器的电流驱动器中是多次加载，它例如通过授权有机或无机电致发光器件中的电流来激活。该装置包括作为相应连接的多个的输出端子 (Tout) 的负载。例如，包括数模转换器和电流镜的单电流产生电路 (10A) 输出具有预定电流值的工作电流。根据每个输出端子配备多个电流存储电路 (30A) 。连续保持工作电流并且此后基于采样工作电流的驱动电流同时输出到每个输出端子。工作电流根据输入信号具有电流值。电流存储电路 (30A) 包括电压分量维持单元，其保持用于驱动对应于工作电流的当前值的控制执行电流的电压分量，以使从电流产生电路输出的工作电流作为样本并驱动第二电流镜子。电流，驱动，像素，操作，镜像，有机，脉冲，灰度，贴片，标准，存储，芯片。

