

(19)
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(B1)(51) 。 Int. Cl.⁷
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2003 12 18

(21)	10-2002-0027575 ()	(65)	00-0000-00000000
(22)	2002 05 18	(43)	0000 00 00
(62)	10-1996-0007118 : 1996 03 16		1998 05 02

(30)	JP-P-1995-00058874	1995 03 17	(JP)
	JP-P-1995-00105862	1995 04 28	(JP)
	JP-P-1995-00191341	1995 07 27	(JP)

(73)	가 가	가 4-6
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(72)	3550
	가
	가 460
	가 460
	1463-9
	가
	13
	3550
	가 9-63

19-21

(74)

:

(54)

가

(ϵ), (deff),

(Wp), (Wc)

(L)

$\epsilon > 0, 2.8\mu\text{m} \leq \text{deff} \leq 4.5\mu\text{m}$

$1.2 \times \text{deff} \leq Wp \leq L/1.2, 1.2 \times \text{deff} \leq Wc \leq L/1.2,$

$\epsilon < 0, 4.2\mu\text{m} \leq \text{deff} \leq 8.0\mu\text{m}$

$1.2 \times \text{deff} \leq Wp \leq L/1.2, 1.2 \times \text{deff} \leq Wc \leq L/1.2$

2

1

1

2 1

3 1

4 2

5 1

6 1 2 가

7 2 (3-3)

8 2 (4-4) (TFT)

9 2 (5-5) (Cstg)

10

11 가 , 가 가

12(A) 12(B) (GTM) (GL)

13(A) 13(B) (DTM) (DL)

14(A) 14(B) (CTM) (CB) (CL)

15 (SUB1) A C

16 (SUB1) D F

17 (SUB1) G H

18 가 ,

19

20

21

22 (CHI) 가 (TCP)

23 (TCP) (PNL) (GTM)

24

25 19 (CT) 가

26 25

27	3			(CT)	가
28	3				
29	28				
30(A)		30(C)	27	A	(CL) (CB)
31(A)		31(B)	27	B	(CL) (CB)
32(A)		32(B)	27	C	(DL) (CB)
33(A)		33(C)	27	A	(CL) (CB)
34	3				(CB)
35	3				(CB)
36(A)		36(C)	4	27	A
		(CL)			(CB)
37(A)		37(B)	4	27	B
		(CL)			(CB)
38(A)		38(B)	4	27	C
	(DL)		(CB)		
39	4		(CB)		
<			>		
SUB1, SUB2:			CT:		
GI:	DL:				
PX:	POL1, POL2:				
BM:	LC:				
SD2:	SD1:				
GL:	()	CL:			
DL:	()	TFT:			
Cstg:	GT:				
FIL:	AS: i				
g1:	31:				
AOF:	d1, d2:				
PSV1:	AR:				
OC:	PNL:				
TCP:	SL:				
DTM:	CTM:				
CB:	SHD:				

가 (TFT) OA . 2
가 . 2
, 2
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6-160878 , 5-505247 , 63-21907

1. 가 .

2. LSI 가 . ()
가

3. 가
가

4. 가
(vertical smear)

5. 가 , '가
(PX) (CT)
(CL) 가 가
(PX) (PX)

6. AC() 가 AC
AC (R) (C) 6
(CL) 가 가 25 26

25 가 26 (CL) 가
(CT) 가 (CL) (50),
(52) (CL) (CB) (51) (53) (52)
, AC (103)

26 (CT) ()
(54), E (55), F (56) G
(57) 가 (CT) D G
(PX) (CT) 가 (CL) (

가 AC
(CL) (CT)
(DL) (GL)
가

가

1.

(ε)

(deff),

(Wp),

(W

c) (L)
 $\varepsilon > 0, 2.8\mu\text{m} < \text{deff} < 4.5\mu\text{m}$
 $1.2 \times \text{deff} < Wp < L/1.2 \quad 1.2 \times \text{deff} < Wc < L/1.2$

2.

(ε) (deff), (Wp), (W)
c) (L)
 $\varepsilon < 0, 4.2\mu\text{m} < \text{deff} < 8.0\mu\text{m}$
 $1.2 \times \text{deff} < Wp < L/1.2 \quad 1.2 \times \text{deff} < Wc < L/1.2$

3.

가

4.

가

가

1/

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가

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가

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12.

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가

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 14 , 2
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 15 , 가
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 19.
 17 18 ,
 20.
 17 18 ,
 1 ,
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4 , 가 , 50
 % , , 100%가 ,
 5 , , 가
 6 , , 가 , 가
 , , 4 가
 7 , 5 가
 8 , 가
 9 , 가 , 가
 , , 가
 10 , , 7 가
 11 ,
 , 가
 12 , , (가 , 가 ,
 ,)
 13 , 12 가
 14 , (GT) (GL) (CT) (CL) (CL)
 CL) 2 , (SD2) , (DL) , (CL)
 ,
 15 , 14 2 (GT),
 (GL) (SD2) 2 (SD
 2) (DL) (GL) (CL) ,
 16 , , 가 15 1 (PX)
 (GL) , (CL)
 17 20 , (CL) , 가 (CL)
 (CB) , (52) (CT) 가 (CL)
 , (PX) (CT) , (CL)
 (CL) 가 (CL) 가
 , ,
 , (CB) (CB) 가 (CB) (GL) (DL)
 , 2 , 가
 , ,
 [,]
 ,
 ,
 1(A) 1(D) , 1(B) 가 , 1(C) 가 , 1(A)
 , 1(D) , (SUB1) (SUB2) (,
), (CT) , (GI) , (DL) , (POL1) (POL2)
 , (MAX1) , (MAX2) , (RDR) , (EDR)
 , (BM) , (FIL) , (OC) (,)
 (ORI1) (ORI2) , (LC) ()

) 2 (POL2), (BM), (FIL), (OC) (ORI2
 1) (SUB1) (SUB2) (SUB2) (LC) (SUB
 가 (POL1), (ORI1), (SD2), (PX), (CT),
 1(A) 1(C) (LC) (SUB1) (RDR) (ORI1) (
 ORI2) (MAX1) (POL2) (MAX2) (POL1) (MAX1)
 , 1(B) 1(D) (SUB1) (EDR) 가
 SUB1) (CT) 가 (SUB1)
 (LC)가 가
 [2 () 1]
 2 () (GL), () (CL) 2
 가 () (DL) (TFT), (Cstg), (4 (PX) (CT)
 (GL) (CL) (DL) (PX)
 (TFT) (CT) (CL) (PX)
 2 (DL) 2 (DL) (CL) (CL)
 가 (CT) (CL) (CL)
 (PX) (CT) (PX) (CT) (CT) (LC
) 가 (PX) (CT) (CT)
 2 (CL) (CL) 가
 (CL) 가
 (CL) (DL) (CL)
 6 가 25% 가 2 가
 (DL) (24) (DL) (SD2) (31) (CL)
 (PX) (32) (GL) (DL) (33) (GT)
 , 1 (DL) (CL) (31)
 (SD2) (CT)
 가
 2 (GT), (GL) (TFT)
 2 (SD2) (SD2) (DL)
 (24) (GL) (SD2) (GL) (SD
 2) 가 () (32) (SD2) (GL)
 6 가 (GT) (CL) (SD2)
 가 (GT) 2 (SD2)
 (GL) (SD2) (GT) 가 (TFT)
 (PX)
 4 2 2
 , 1 (PX) (TFT) ,

(SD2) , (PX) 가 (SD2) 가 (DL) (GL) , , (PX) 가 , , (PX) 2 , , 가 5 1 , (P) 2 (CL) 1 (CT) (0)() (PX) (P)() 0=P+1 , (CT) (DL) (DL) (PX) (DL) (CT) (DL) (CL) (DL) (PX) 가 가 가 (CT) , , (CT) (DL) (DL) (PX) 가 (DL) (Vs)) (PX) (CT) (Wp), (Wc) 6 μ m , 4.5 μ m 5.4 μ m 가 , 20% 가 가 가 (PX) (CT) (Wp),(Wc) (PX) (CT) (L) 가 20% , (PX) (CT) (L) 7.2 μ m 1 2 가 640 $\times$ 480 , 10.4 가 110 μ m , 4 (L) 7.2 μ m 8 (L) > 7.2 μ m 10 (DL) (L) 7 μ m 8 μ m (DL) (CT) 1 μ m (PX) (CT) (DL) (DL) (CT) 2 (DL) 1/2 (DL) (DL) (CT) (DL) (4 μ m) (DL) (CT) 1/2 (CT) (GL) , (, () (GTM)) 가 (GT) (CB) 가) (PX) (CT) 가 (CL) , () () 가 () () 16 μ m가 [7 2 ()] , 8 2 (4-4) (TFT) , 9 2 (5-5) (Cstg) 7 9 (TFT), (Cstg) (LC) (SUB1) (FIL) (BM) , (SUB2) (SUB1) (SUB2) (LC)) (ORI1),(ORI2) (SUB1) (SUB1) (SUB2) () [TFT] (SUB1)(TFT)

[(TFT)]
 (TFT) , (GT) 가
 0 가
 8 i , (a-Si) (TFT) i (GT), (GI), (SD1) (SD2)
 . , , ,
 [(GT)]
 (GT) (GL) , (GL) (G
 T) (TFT) , i (AS)
 () . , (GT) 1 (g1)
 (AS) (GT) 1 (g1)
 (g1) , ,
 (AOF)
 [() (GL)]
 () (GL) (g1) (GL) (g1) (G
 T) (g1) (GL) (GL) (GL) (AOF) (G
 Vg) (GT) (GL) (AOF)
 (DL)
 2
 [(CT)]
 (CT) (GT) (GL) (g1) (CT) (CT)
 (AOF) (AOF)
 가 가 가 ,
 (Vcom) (Vdmin) (CT) (Vdmax) (Vcom) (DL) 가
 (field-through) (Vs) (TFT)
 가 AC() 가
 [(CL)]
 (CL) (g1) (CL) (g1) (G
 T), (GL) (CT) (g1) (CL) (g1) (G
 L) (CL) , (Vcom) (CT) (C
 가 (AOF) (DL) (GL)
 2
 [(GI)]
 (GI) (TFT) (GT) (GT) (AS) (GI)
 (GI) 가 1200 2700 (2400)
 (GI) (AR) (GL), (CL) (DL) (DTM),(GTM)가
 [i (AS)]
 i (AS) 200 2200 (2000) ()
 d0) (P) N(+) , i (AS)
 i (AS) (d1),(d2) (GL), (CL) (DL) ()
 (AS) (GL), (CL)
 (DL)
 [(SD1), (SD2)]
 (SD1) (SD2) N(+) (d0) (d1)
 (d2)
 (d1) (Cr) 500 1000 ()
 600) Cr 가 가 가 2000 N(+) Cr N(+)
 (d0) , (d2) (d0) (Mo, Ti, Ta W)
 (MoSi₂, TiSi₂, TaSi₂ WSi₂)

가 3000 5000 (, 4000) (d2) Al (DL) . Al Cr (GT) i (AS) (SD1), (SD2) (DL) (d1) (d2) N(+) (d0) (AS) N(+) (d1) (d2) (d0) (d1) (d2) i (AS) [(DL) (DL) (SD1) (SD2) 1 (d1) 2 (d2) 가, (DL) (SD2) [(PX) (PX) (SD1) (SD2) 1 (d1) 2 (d2) 가, (PX) (SD1) [(Cstg) (PX) , (TFT) , (CL) (PL1) 9 (PL2) (CL) (PX) (Cstg) (TFT) (CL) () (Cstg) (GT) (AOF) (g1) 2 (Cstg) (GI) () [(PSV1) (PSV1) (TFT) , (TFT) (PSV1) 1 μ m , CVD (PSV1) (PSV1) (AR) (GI) , (DTM),(GTM)가 (PSV1) 가 (GI) [2 7] (SUB2)() [(BM) (SUB2) (PX) (CT) (BM)() (BM) (AS) (BM) (GT) (TFT) i (AS) 2 (BM) (BM) 3 3 1 1 (A) , 가 (DL) (CT)) (BM) , (PX) (CT) 가 1.2 μ m (BM) 가 (PX) (CT) 가 가 (BM) (BM) 2가 , i (AS) (BM) (BM) (SL) 가 (BM) (S

UB2) 가 0.3 1.0mm , (SUB2) .
 [(FIL)]
 (FIL) , , (FIL)
 (BM)
 (FIL) (SUB2) 가
 , 가 (R)
 (G) (B)
 [(OC)]
 (OC) (FIL) 가 (LC) (FIL) (B
 M)
 []
 []
 (LC) , 13.2 (ϵ) 0.081(20 589nm) (n)
 -7.3 (ϵ) 0.053(20 589nm) (n)
 () , (ϵ) , 2.8 μm 4.5 μm .
 (n · d) 0.25 μm 0.32 μm , 가
 (ϵ) 0.07 0.09 (n)
 (ϵ) () 4.2 μm 8.0 μm 가
 (n · d) 0.25 μm 0.32 μm
 가 (ϵ) 0.04 0.06
 (n)
 가 (RDR) (EDR) 45 °
 가
 ()
 (LC) (ϵ)
 (n) () 가
 []
 (ORI) 가 (EDR) 75 °
 (RDR) 가 (RDR) (EDR) 18
 (RDR) 가 (EDR) (ϵ) 45 ° 90
 0 ° 45 °
 [18] 가
 (POL) G1220DU (POL1) (MAX1) , (RDR)
 (POL2) (MAX2) 18
 가 (PX) (CT)) 가
 [10]
 (SUB1) (SUB2) (PNL) (AR)
 11 , 가 (GTM)
 가 1
 가 ,
 가 10 11
 (SUB1) (SUB2) , (LN) 2 가 (Tg),(
 (SUB2) (SUB1) (Tg),(Td) , (Tg),(
 Td) (CTM)가 () (DTM) , (CHI)
 (GTM), (TCP)(22 23)
 P) (CT) (TCP) 가 (PNL) (DTM),(GTM)가 (TC
 () (CB) (CL) (GTM)
 (CTM)

(SUB1) (SUB2) (LC) (INJ) (SL)
 (ORI1) (ORI2) (SL) (POL1) (POL2) (SU
 B1) (SUB2) (LC) (ORI1)
 ORI1) (ORI2) (SL) (ORI1)
 (SUB1) (PSV1) (SUB1) (SUB2)
 (SUB2) (SL) (SUB1) (SUB2)
 (LC) (SL) (INJ)
 (INJ)
 [12(A) 12(B) (GL) (GTM)
 12(A) 12(B) 12(A) (B-B)
 (AO) (描畵: " "
 (AO) (AO)
 AOF) (GL) (AO) (AO)
 Al (g1) Al₂O₃ (AOF)
 가 (Al) (g1)
 가
 (GTM) (g1) TCP()
 (g2) 가 1000 2000
 (1400) (ITO): (g1) (d1)
 (d2) (g2) (d2) (d1)
 (d1) (g2) (d2) (d1)
 (GI) (PSV1)
 (GTM) 12(A) 12(B)
 (GL) (Tg)(10)
 (SHg)() (SHg)
 (ORI1)
 [(DTM)]
 13(A) 13(B) (DL) (DTM) 13(A)
 13(B) 13(A) B-B 19
 (SUB1)
 (TSTd) (DTM) 가
 (DTM) 10 (Td)(
) (SUB1) (SHd)()
 (TSTd) 13(A) 13(B) 1 (DL)
 (DTM) 1 (g2) (GI) (GI)
 DL) (GI) (AS) (GI) (PSV)
 (DTM) (PSV) (PSV)
 (g2) (DL) (d1),(d2) (PSV)
 (SL) 가 (d2) 가
 [(CTM)]
 14(A) 14(B) (CL) (CTM) 14(
 A) 14(B) 14(A) B-B 19

(CL) (CB) (GM) (CL) (d2)

(CB) (DL)

(CT) () 가

(g1) (d1) 가 (d2) (CB) (g1)

(GI) (CTM) (g2) (g1) (g1) (g2)

(g2) (d1) (d2) (g1) (CB) 가

(CB) (SUB1) 8

[5 17 , Z B D

12(A) 12(B) A I ()

A(15) AN635 () (SUD1) Al-Pd, Al-Si, Al-Ta, Al-Ti-Ta 가 3000 (g1) (g1) (GT), (GL), (CT), (CL), (PL1), (GTM), (SHg)() (CB) 1 (SHg) (CTM) 1 ()

B(15) (AO) , 3% pH6.25 ± 0.05

0.5mA/cm² 125V (1:9). (SUB1) Al₂O₃ ()

(GT), Al₂O₃ (GL), (CT), (CL) (PL1) (g1) 가 1800 (AO

F) C(15) 가 1400 ITO (g2) (GTM) (DTM)

(CTM) 2 (g2)

D(15) CVD 가 2200

CVD 가 2000 i

E(16) 가 300 N(+)

, i 가 SF₆ CCl₄ N(+)

F(16) 가 SF₆

G(17) 가 600 (d1) Al-Pd, Al-Si, Al-Ta, Al-Ti-

Ta 가 4000 (d2) A

(DL), (SD1), (SD2), (PX), (PL2), (CB) (d1)

3 (DTM) (SHd)() N(+)

4 SF₆ N(+)

H(17) CVD 가 1μm

가 SF₆

(PSV)가
 [19 가]
 , (AR)²
 , (X) (DL) , G, B R , 가 . (Y) (G
 L) , 1,2,3,..., end 가 . (X)() (H)
 (Y)() (V)
 (SUP) 1
 , () CRT() TFT
 [20]
 , Vg(i-1) Vg(i) Vch Vcl 2 AC()
 , , Vg1h Vg11
 가
 1/2
 DC() , AC
 () 가
 [(Cstg)]
 (Cstg) (TFT) 가
 가 () 가
 , (Cstg) , 가
 , (TFT)가 (Cstg) (Vs)
 (Vg)
 $V_s = \{C_{gs} / (C_{gs} + C_{stg} + C_{pix})\} \times V_g$
 , Cgs (GT) (SD1) , Cpix (PX)
 (CT) (Vs) (Lc) , Vs Vg (feed-through)
 (LC) 가 DC (LC) , (Cstg) 가
 , (GT) i (AS) , (Vs)
 가 (GT) (SD1) 가 가 (Cgs) 가 , (Vs)
 () (Vg) 가 (Cstg)
 [(CL) (CB)]
 27 3
 (120)가 (SUB1), (SUB2),
 (100), (102), (104), (103) (SUB1)
 (SUB2) ()
 (SUB1) (120) (DL) (G
 L) (DL) (GL) (120) (D
 L) (102) , (GL) (104) (GL)
 (120) (CL) (103) (GL)
 (CL) (CB) (102) (100) (100)
 (101) (104) (102) (102)
 (104) (DL) (102)
 (104) (100) (GL)
 , (SUB1) (120) 가
 , (CL) (CB) (CB) (CL)
 , (CB) (CB)
 28 (CT) 가 가 ,
 29 28 (CL) (58) 28 D,E,F G
 (CB) (59) (60) 29 D (62), E

29 (63), F (64) G (65) (103) (60)
 (CT) , 가 가 ()
 CL) (120) (PX) (CT) 가 (CL) (CT)
 , (CL) (120) (CT)
 30(A) 27 A (CL) (CB)
 , 30(B) 30(A) (I-I') , 30(C) 30(A) (H-H')
 27 A , (g1) (GL) (CL)
) , (AOF) (GL) (CL)
 , (CL) (AOF) (GL) (CL)
 , (DL) (CL) (CHL) (d1) (d2)
 , (CB) (CB) (CL)
 , (CL) (CHL) (CB) (CL)
 31(A) 27 B (CL) (CB)
 , 31(B) 31(A) (J-J') (g1) (GL) (CL) (CB)
 , (AOF) (GL) (CL) (CB)
 , (GL) (CL) (AOF) (DL)
 (g1), (d1) (CB) (d1) (d2) 2 (PSV) (CB)
 32(A) 27 C (DL) (CB)
 , 32(B) (GL) 32(A) (K-K') (g1)
 (GL) (CL) , (d1) (d2) 2 (AOF) (DL)
 , (GL) (PSV) (CB) (DL)
 30(A) 30(C) (CHL)] (CL) ()
 CB) [(CB) (DL) 33(A) 33(C)
) (CB) (DL) (CHL)
 33(A) 27 A (CL) (CB)
 , 33(B) 33(A) (Q-Q') , 33(C) 33(A) (R-R')
 27 A , (g1) (GL) (CL)
) , (AOF) (GL) (CL)
 , (CL) (AOF) (GL) (CL)
 , (DL) (CB) (d1) (d2) 2
 (CB) (CL) (CL) (CL) (PSV) (CHL)
 (CB) (CL) (CL)
 33(A) 33(C) (CL) (CB)
 (AOF) (GL) (AOF) (GL) ()
 104) (CHL) (CHL) 가 (AOF)
 , (CHL) (AOF)
 , 30(A) 30(C) (CL) (CB)
 (CHL) 33 가 (DL)
 , 33 (CB) (CL) (CHL) ()
 GL) (104) (CHL) 가,

B) 가 , (GL) (DL) (C
 34 35 (CB) 27 (CB) 가 , 34 ,
 (DL) (102) (CB) 가
 , 35 (DL) (CB) (CBA), (CBB) ,
 , 35 (CB) (CB)
 가
 [(AD)]
 , (AD) 4
 36(A) 3 (CB) 27 36(B) 36(A) A (M-M') ,
 (CL) 36(C) 36(A) (N-N') 27 A (g1) (AD)
 36(A) (GL) (CL) (AD) (GL) (AD)
 (DL) (GL) (CB) (AD)
 37(A) 4 (CB) 27 37(B) 37(A) B (O-O') 3
 (CL) 7(A) (GL) (CL) (CB) (AD) (CB) (AOF)
 (DL) (AD) (CB) (DL)
 38(A) 4 (CB) 27 38(B) 38(A) C (P-P') (DL)
) 38(A) (GL) 27 C (CL) (GI) (DL) (g1) (AD)
 (AD) (AD) (DL) (CB) (AD) (DL)
 (CB) (CB) 가 , 가 , 가
 2 4 (CB) 가 (CB) 39
 39 (CB) 가 (DMY)
 가
 [(PNL) (PCB1)]
 21 10 (PNL) () (H) () (V)
 (CHI) (PNL) IC (5 IC , 10
 IC) (TCP) IC (Tape-automated-bonding: TAB)
 , (PCB1) (TCD)
 2 (FC) (FC) (PCB1) (SHD) (PCB1)
 (FC) ()
 [TCP 22]
 (V) (H) (CHI) 가 (PNL)
 (TCP) (GTM) , 23 (TCP)
) , (TTB) (CHI) / , (TTM) (CHI) /
 (Cu) (TTB) (TTC) (CHI) (PAD)가
 (CHI) (PNL) (TCP) CRT/TFT / (SUP) , (ACF) (PS
 V) (GTM(DTM)) (PSV1) (TCP)

(BF1) , (SRS)
 EPX) (TCP) (SL) (SUB2) (SIL)가 가 (

[(PCB2)]
 (PCB2) IC, (PCB2) 1
 RT() TFT (SUP)가 (CJ) C

(PCB1) (PCB2) (FC)
 [24 (MDL)
 (SHD) (LCB) , (RM) , (BL) , (LCW) , (PNL) , (

SPB) (MDL) (pawl) 가 (LCB) (RM) (SPB) (LCB)
 (LCA) (BL) (BL) (LCB), (RM) (RM) (SPB) (LCB)
 (BL) (PNL) (PCB3)
 (BL) (BL) 가 가 가

(1) ()가 가 가
 (2) 가 가
 가 가
 가 가 (SD2) 가 가 1
 가 (PX) 가 가 가

(3) (CL) (CB) (CB) (52) (CT) (CT) 가 가 (CL)
 (CL) (CL) (CB) (CL) 가 가 (CL)
 (CL) 가 가 가

(4) (CB) (CB) (GL) (DL)
 가 가 2 가 가

MIM(- - (TFT) MOS
 : metal- intrinsic-metal) 2

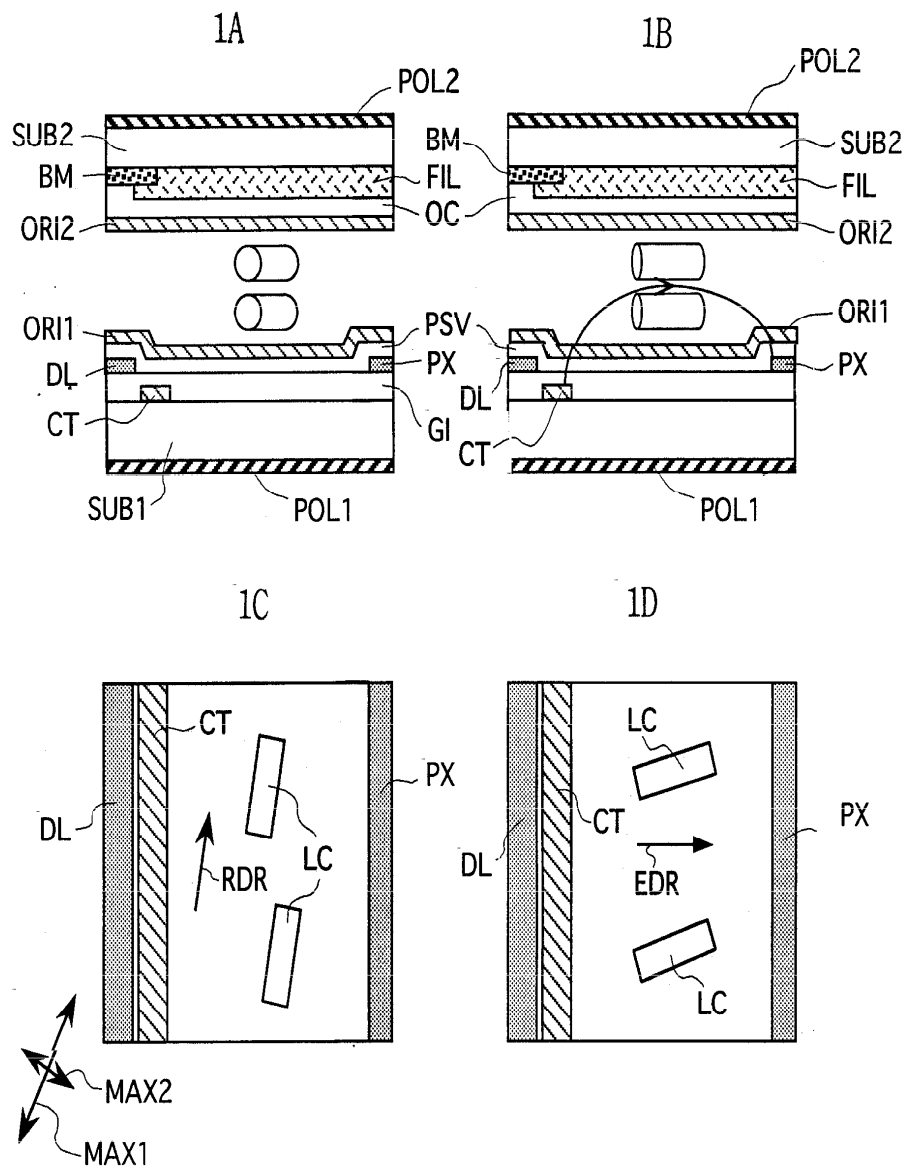
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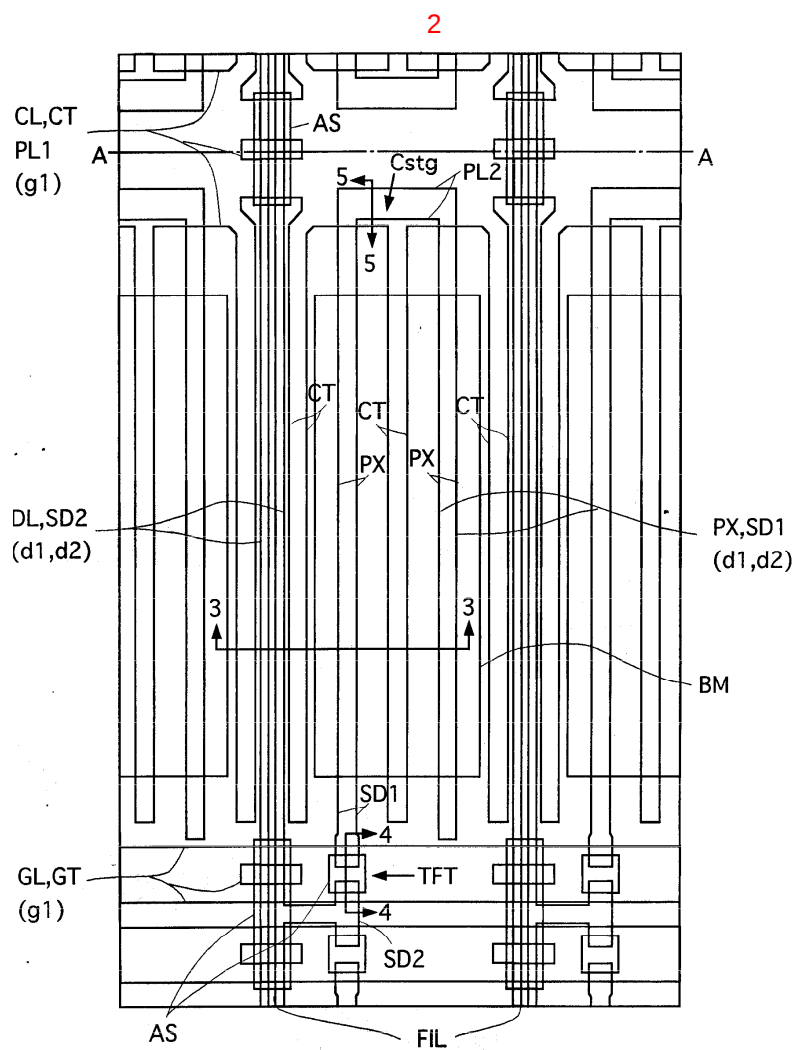
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1 2 , 1 2
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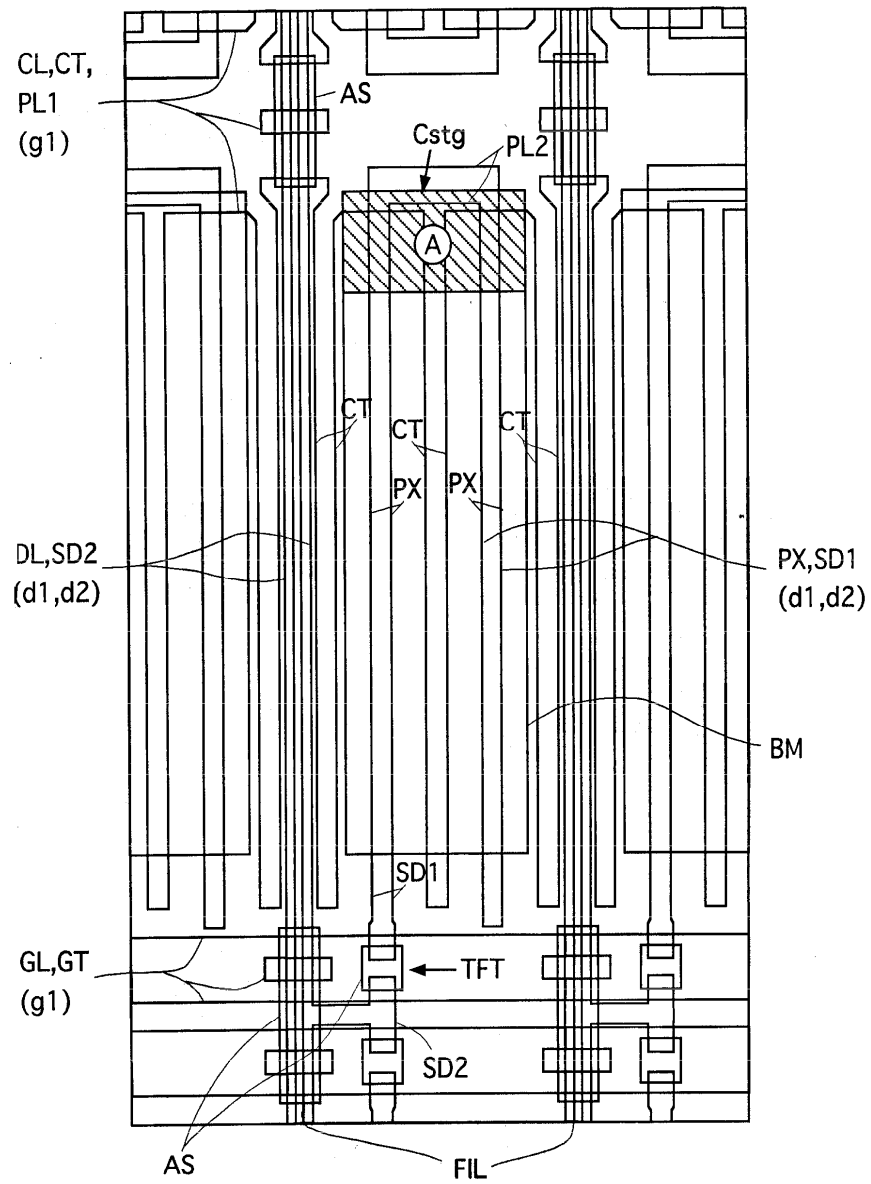
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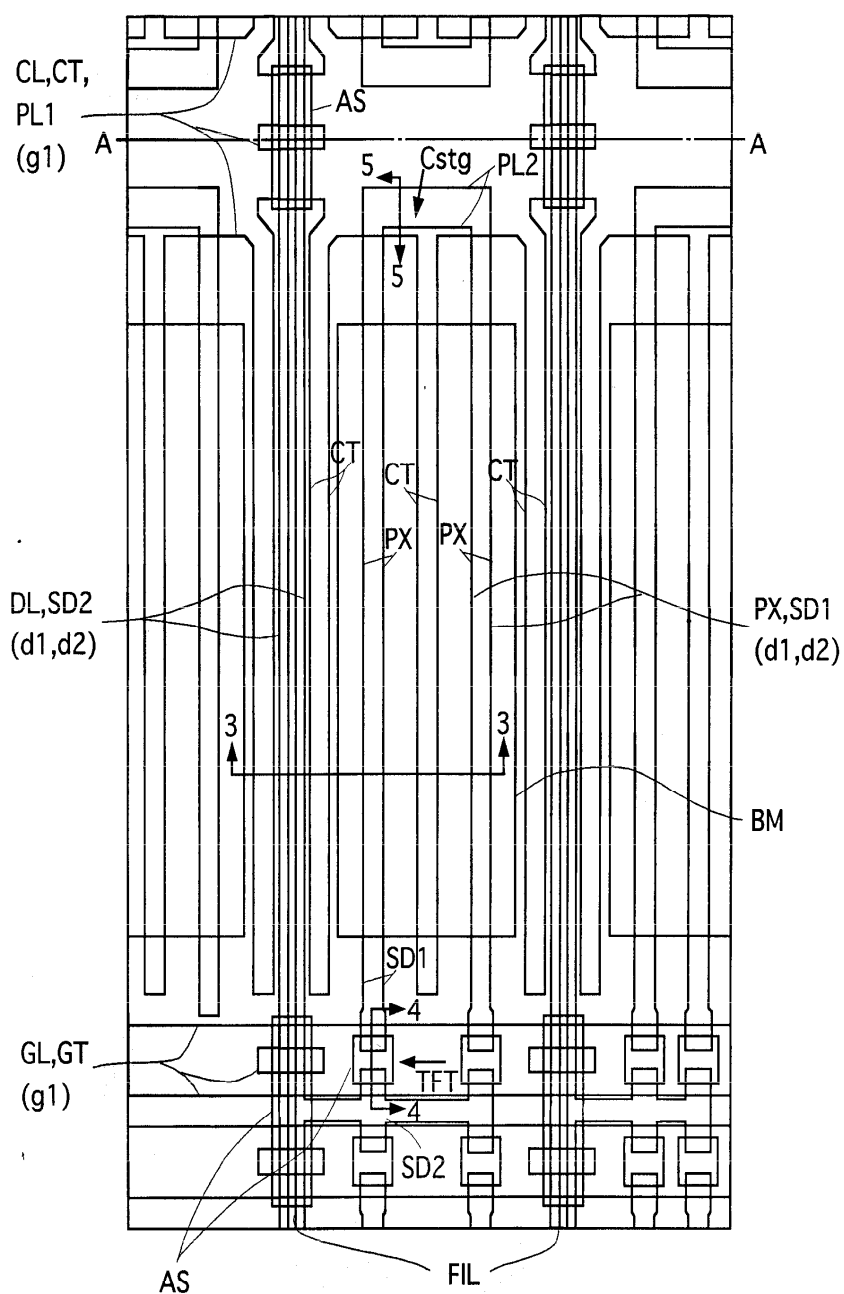




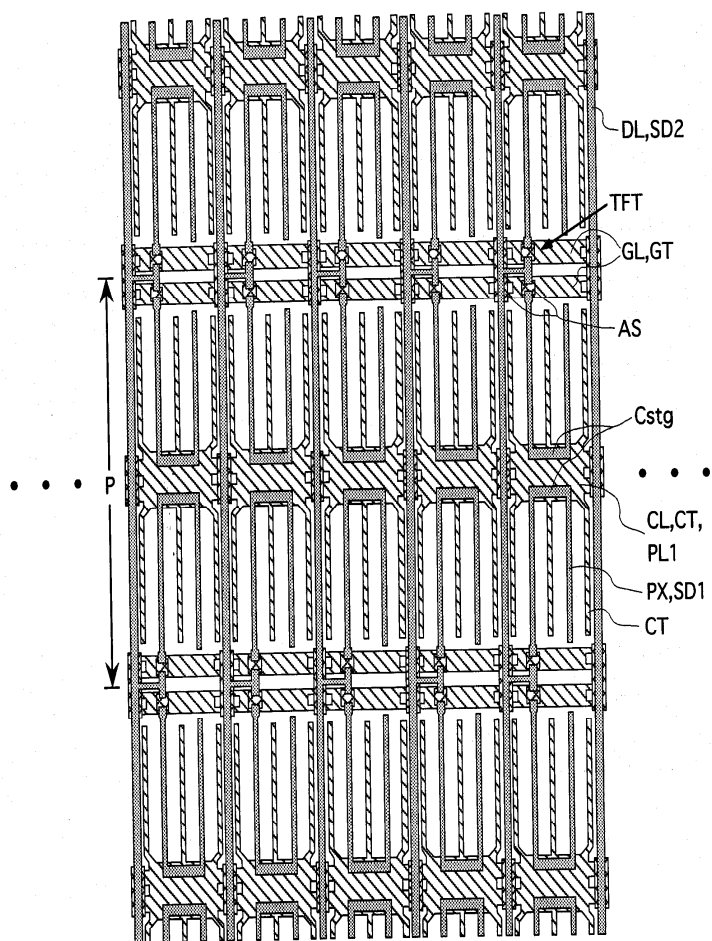
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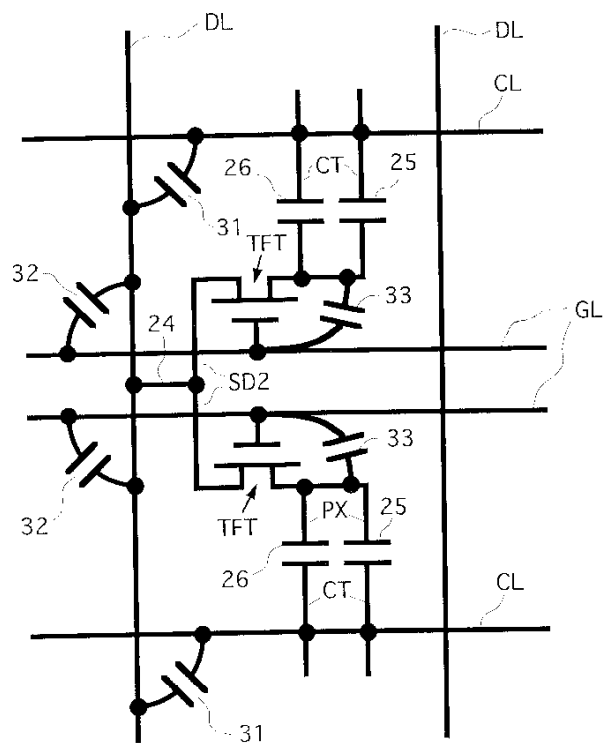


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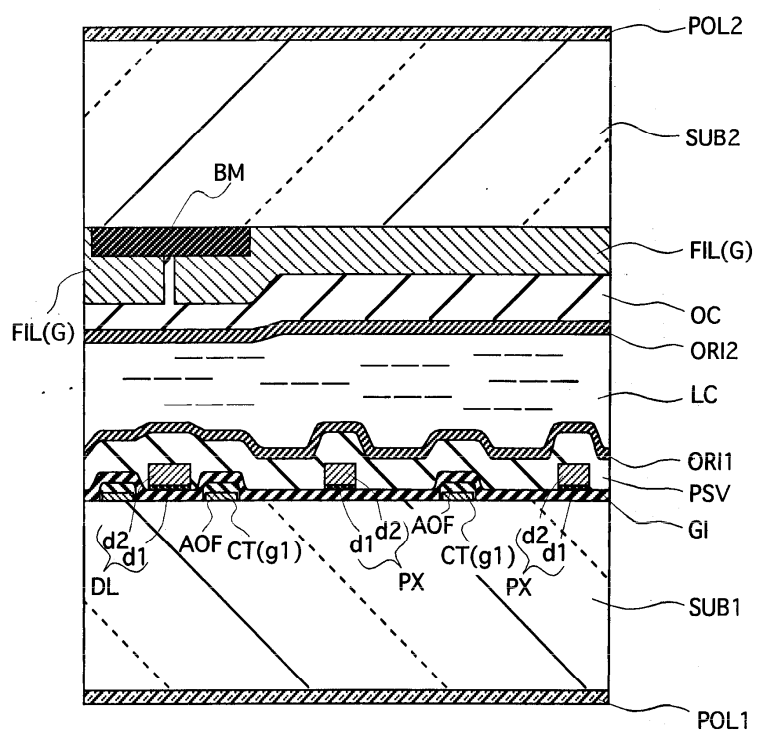


1/6 - 92

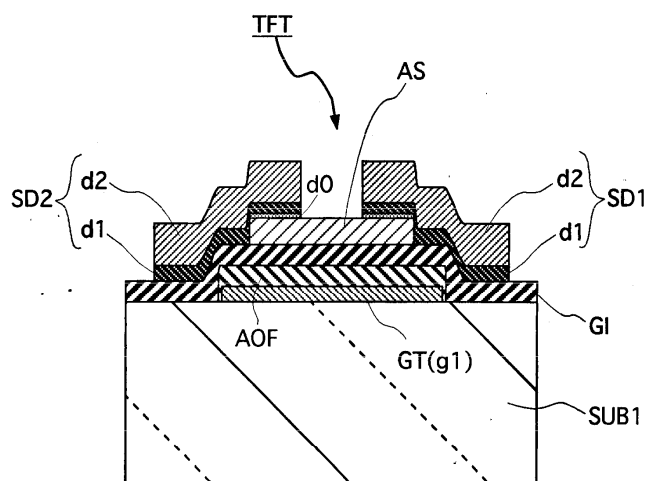
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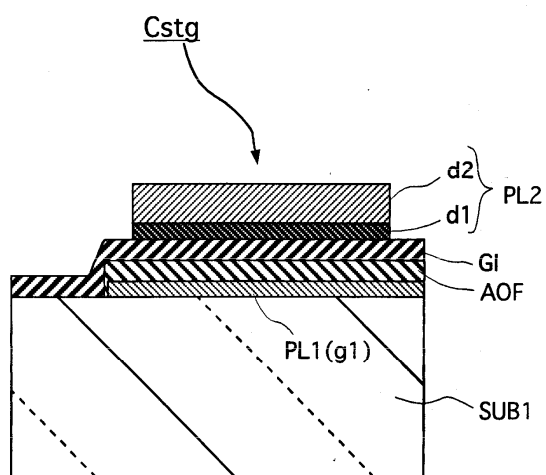
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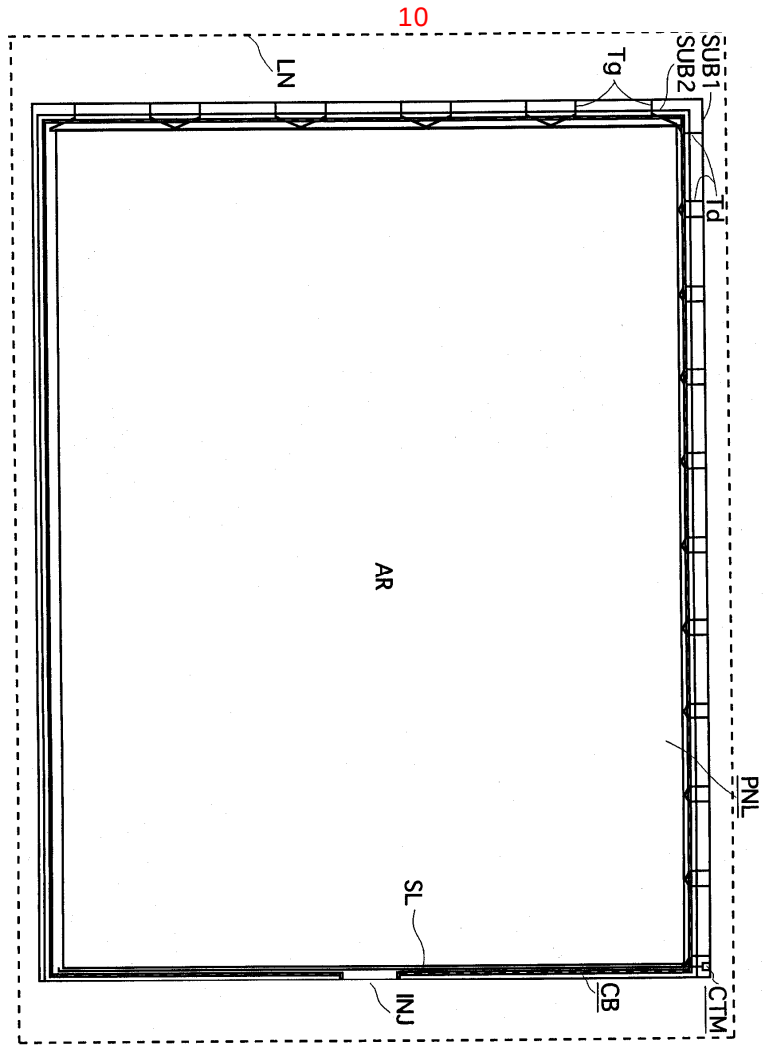


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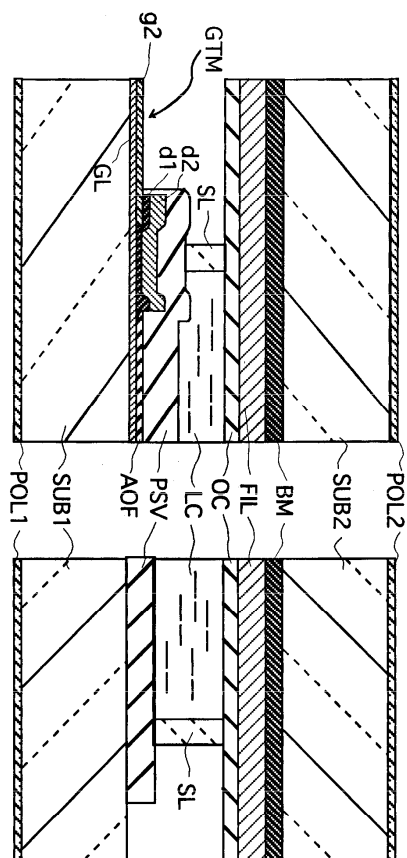


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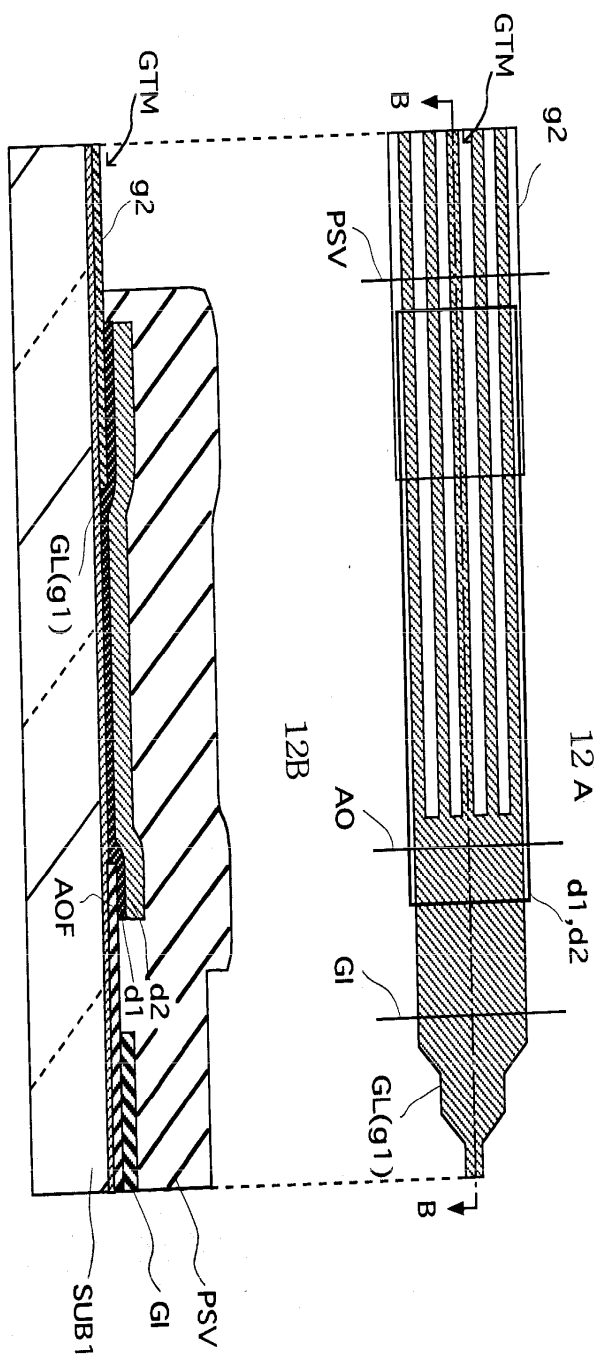


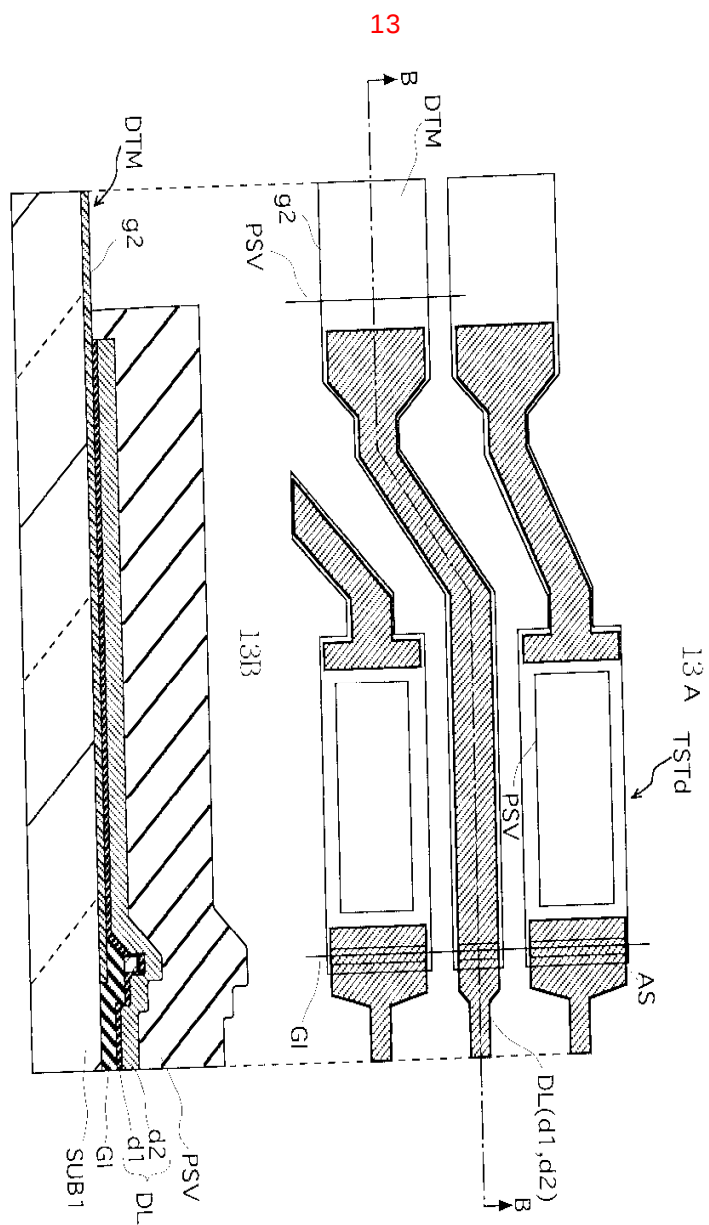


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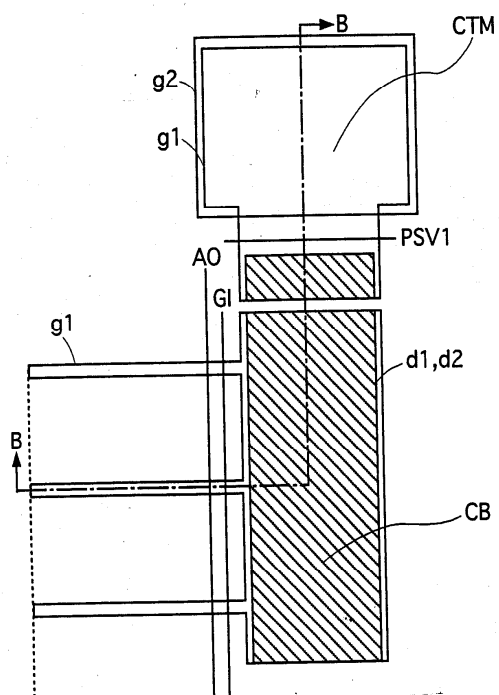
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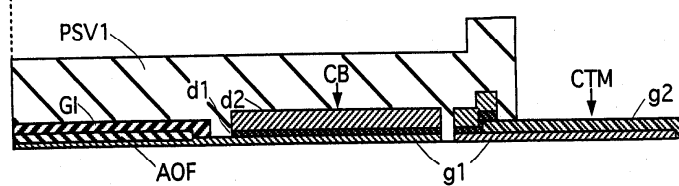


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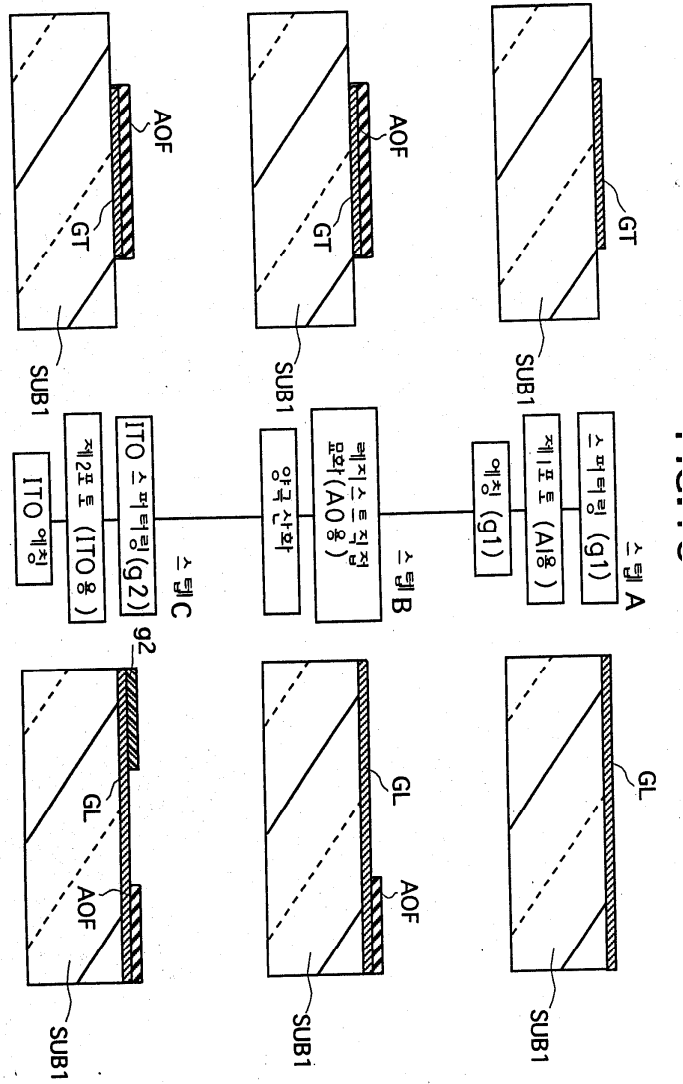
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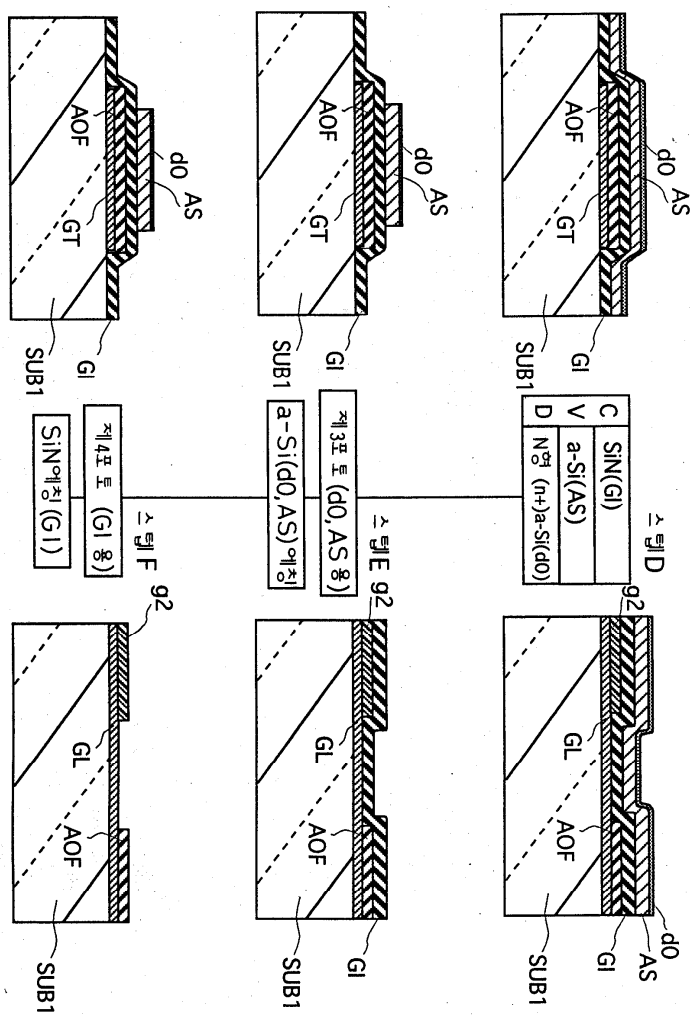
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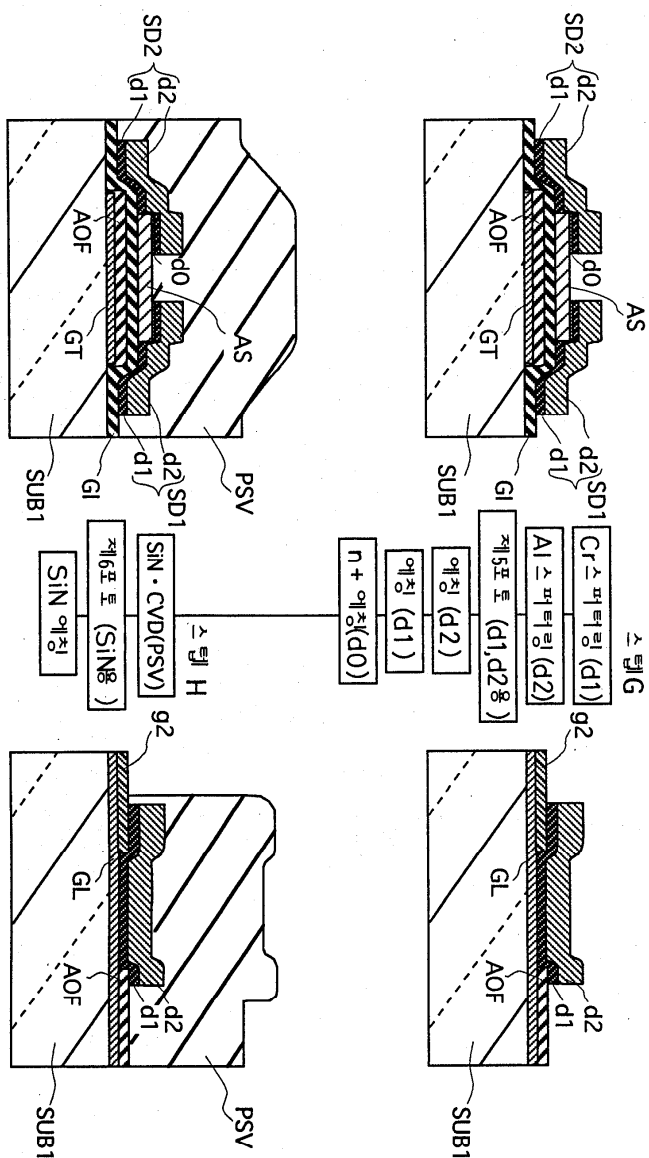
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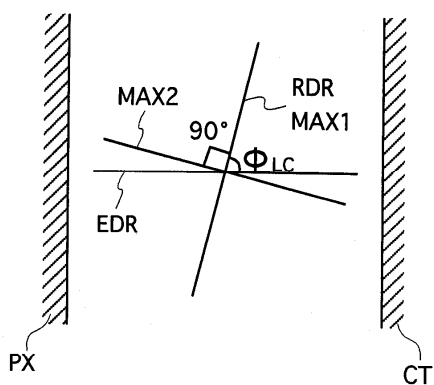
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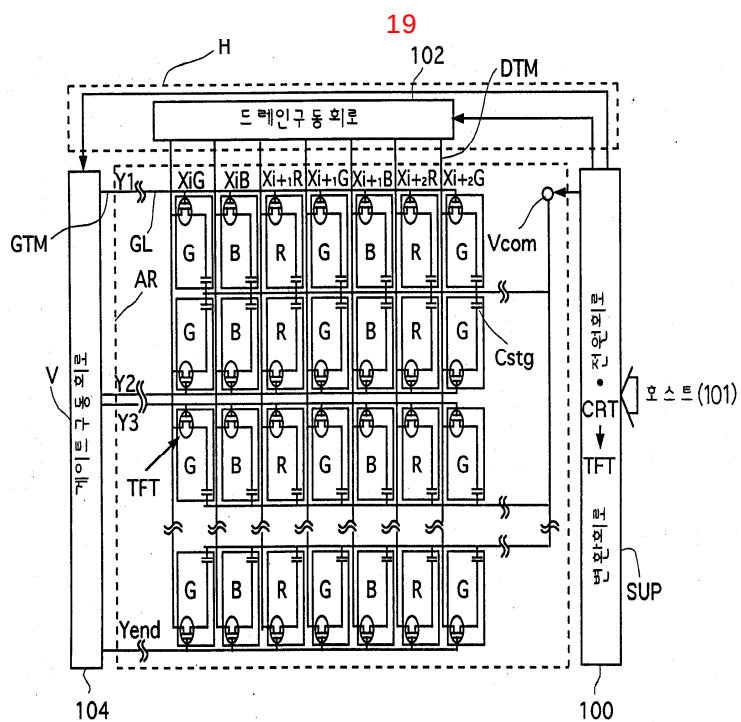


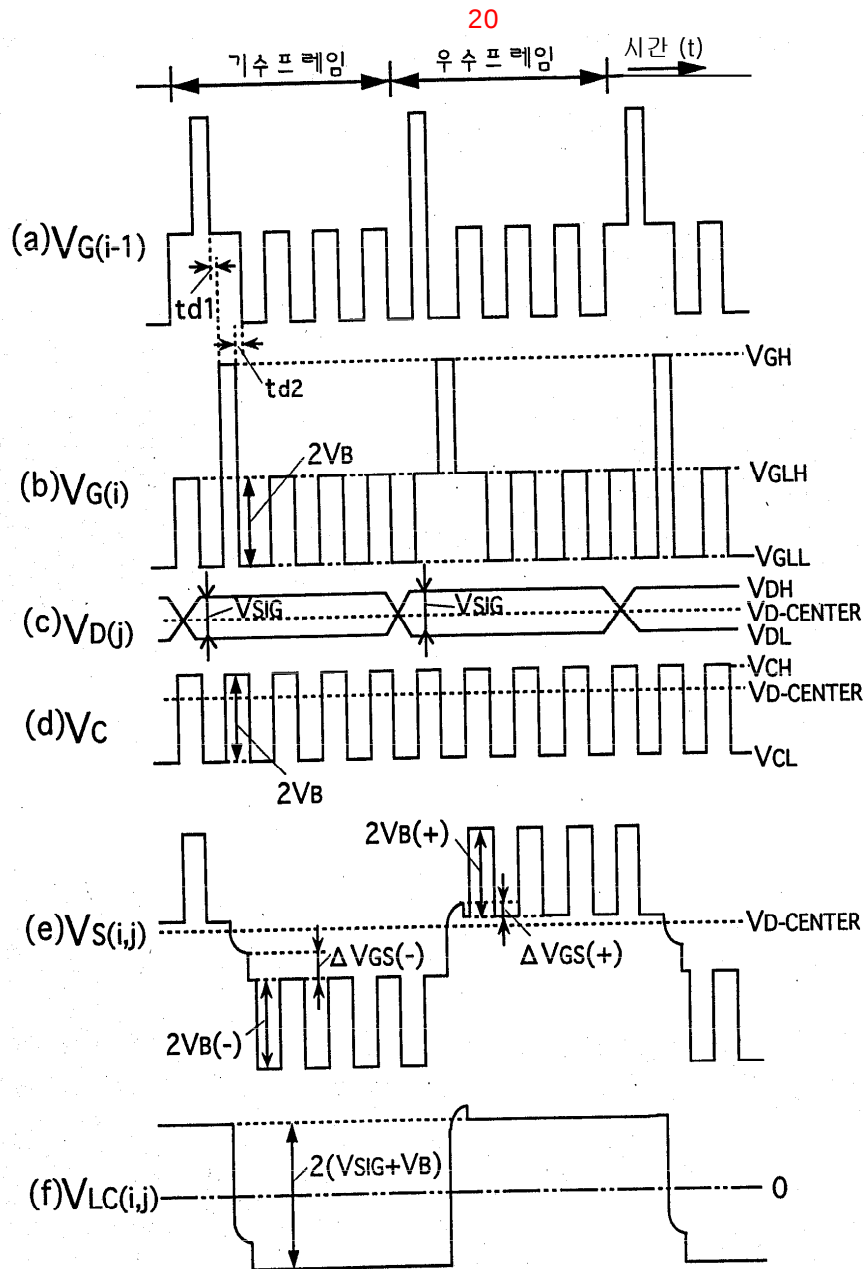
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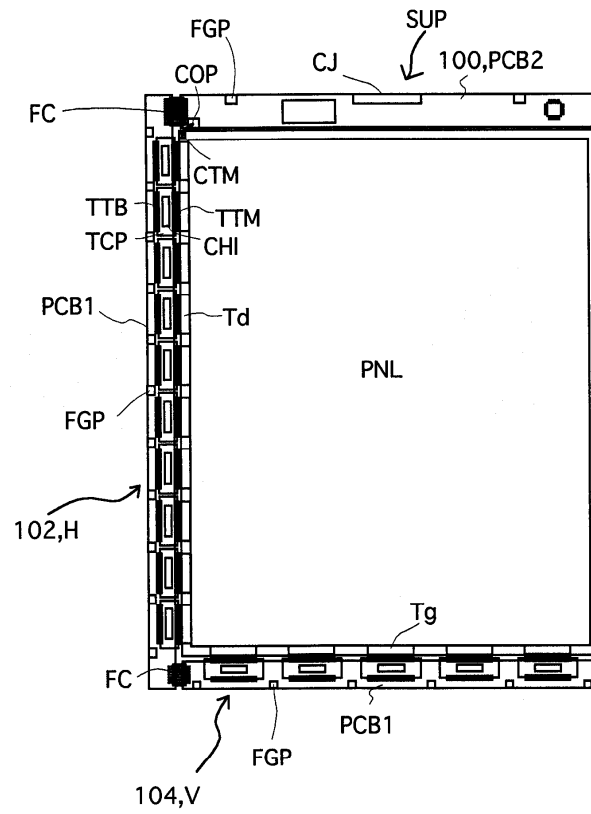
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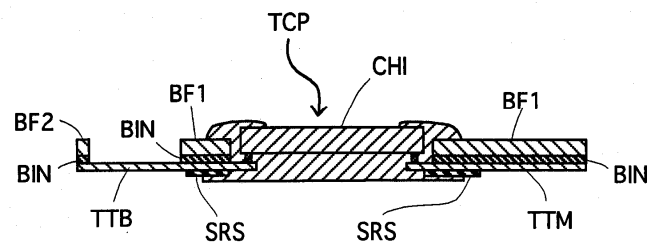




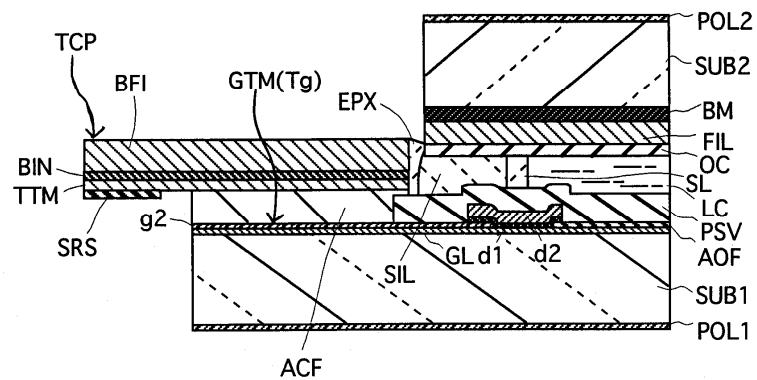
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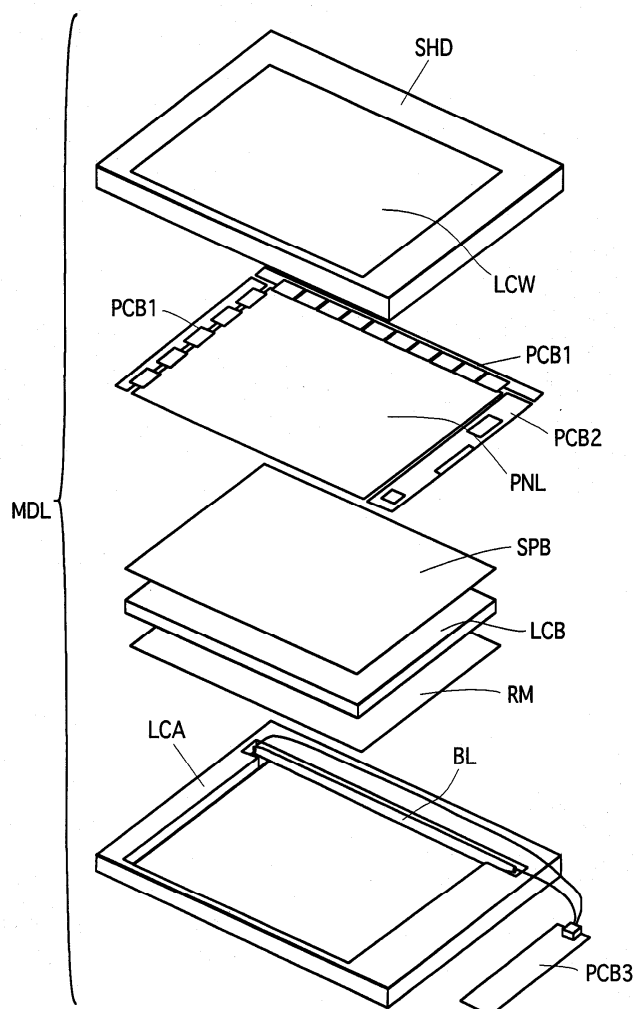
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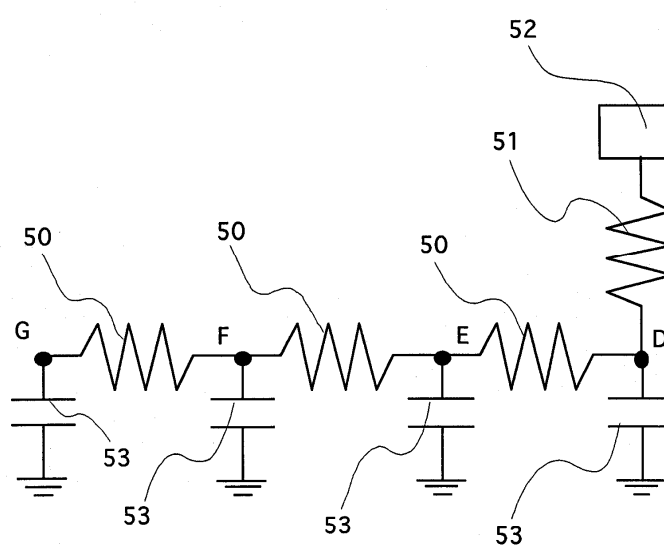
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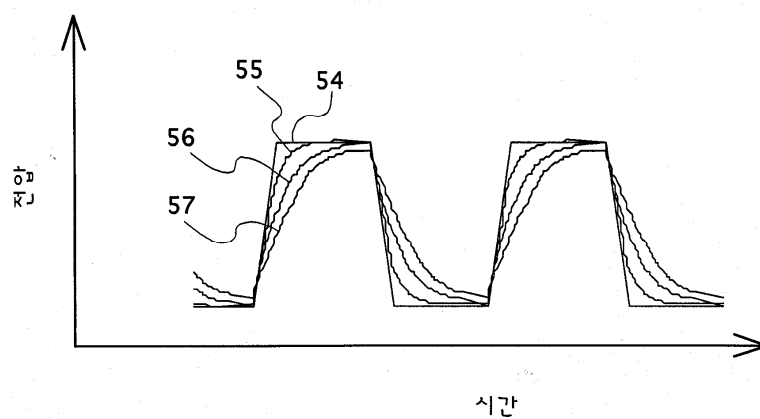
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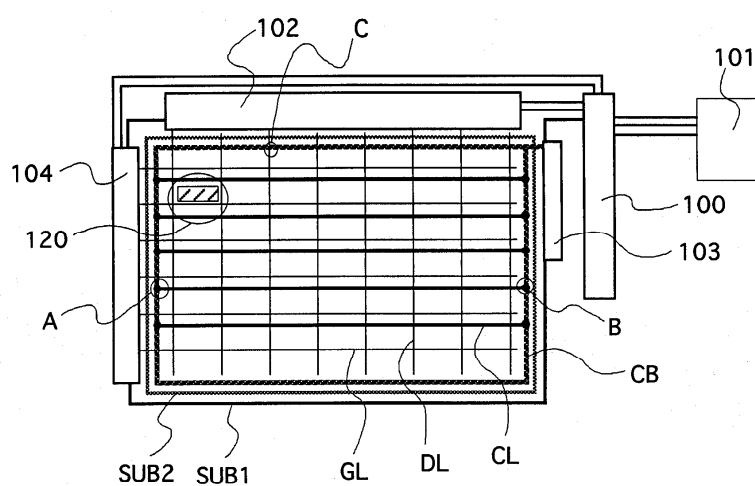
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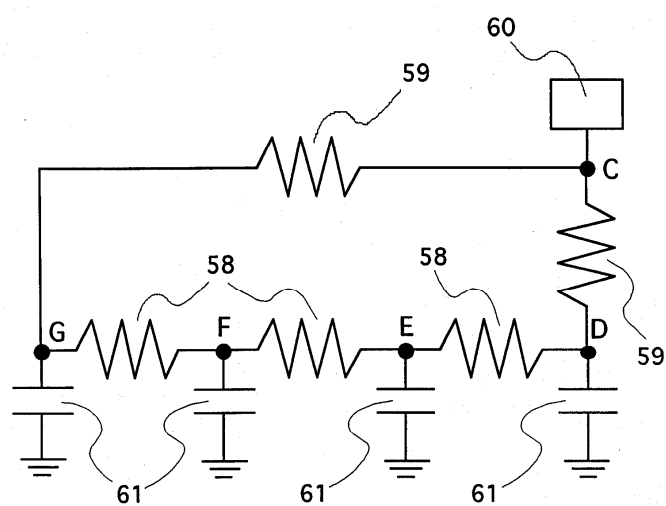
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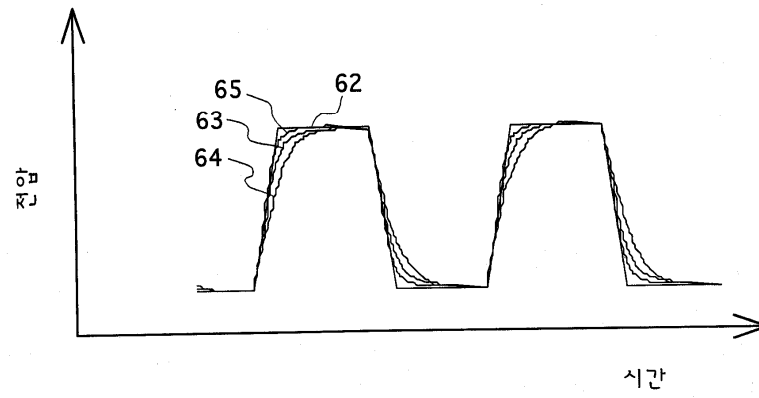
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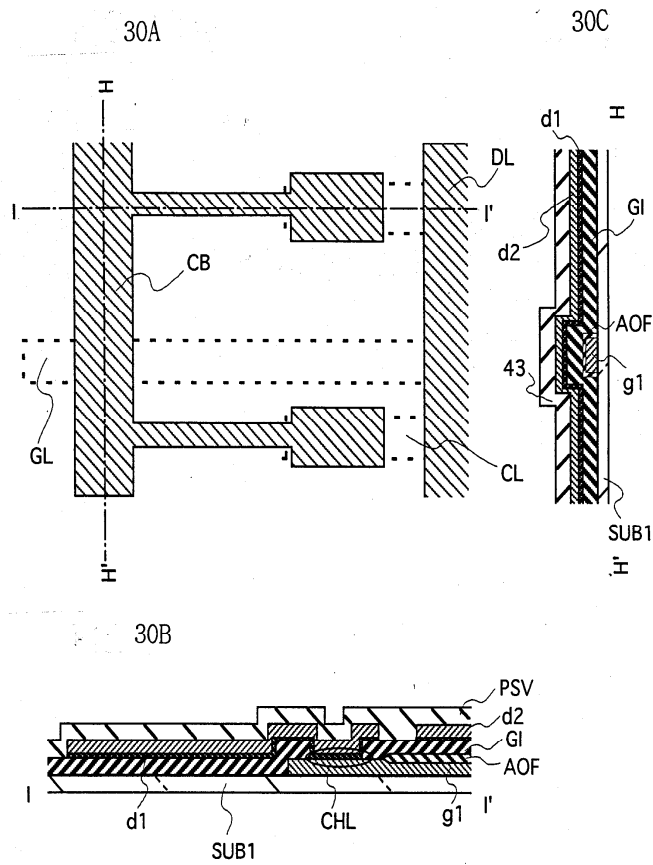
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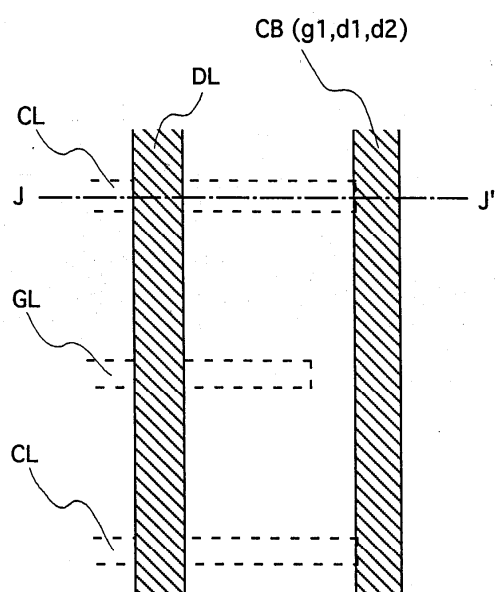


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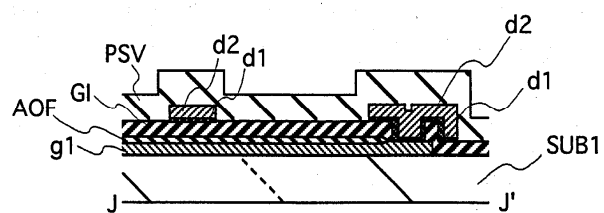


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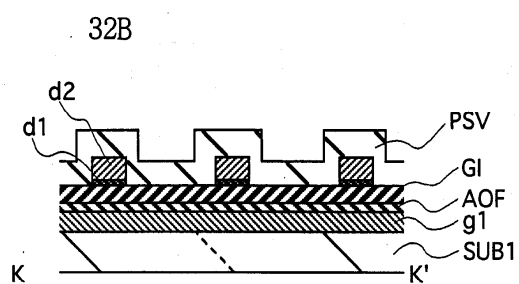
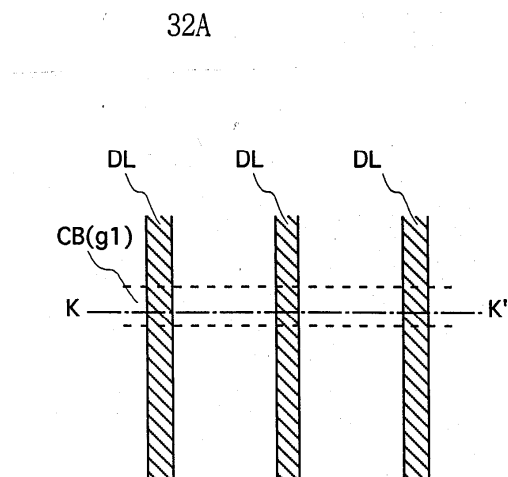
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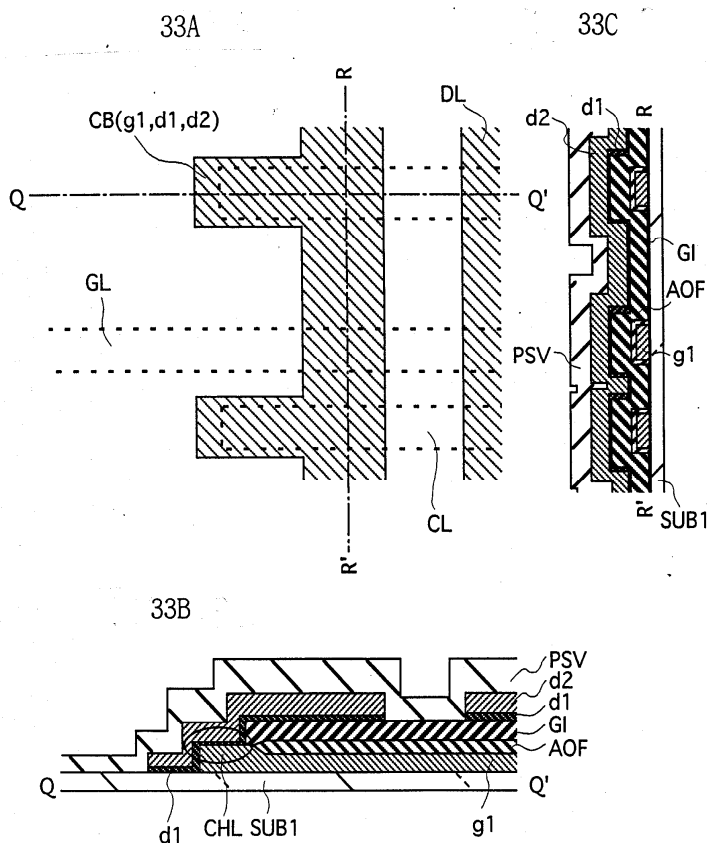
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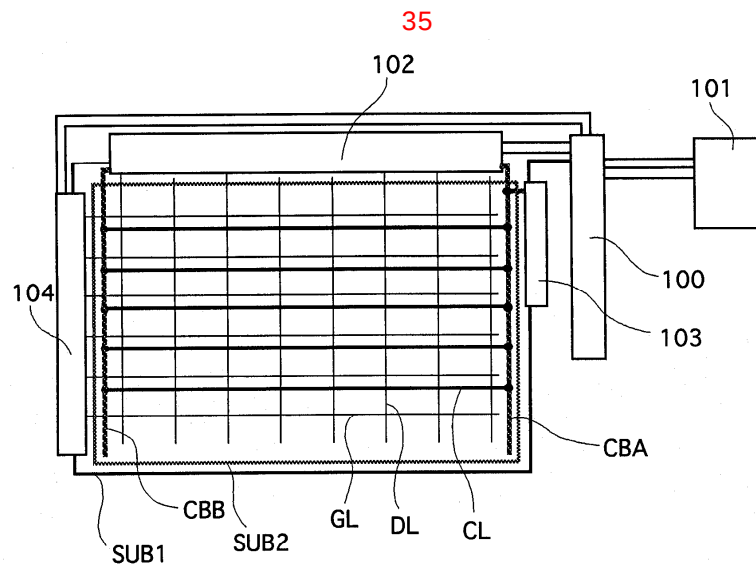
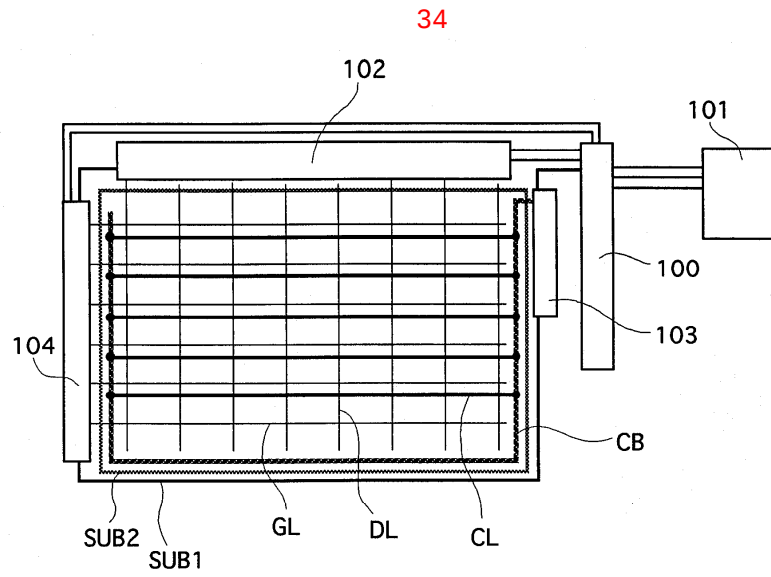


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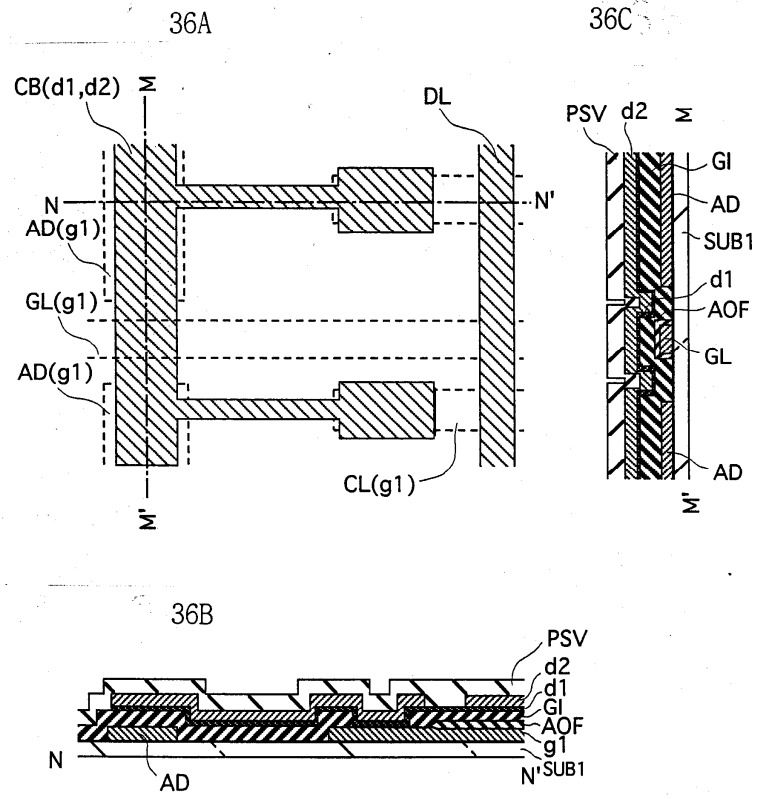


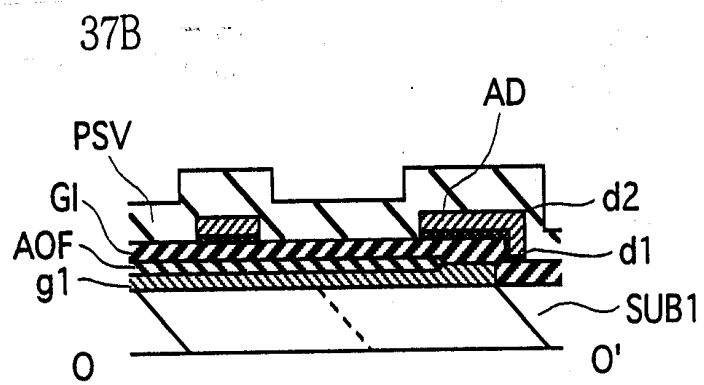
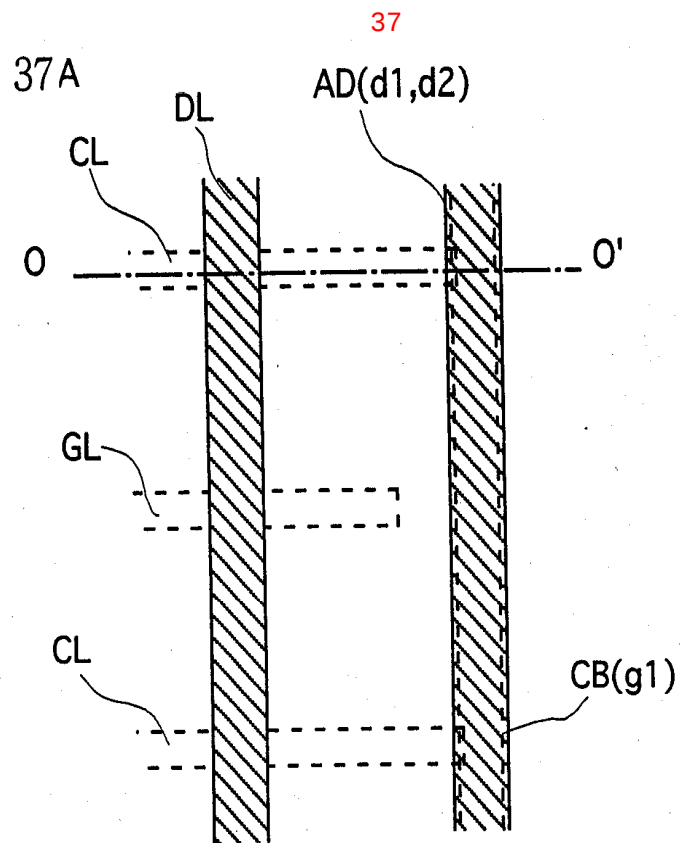
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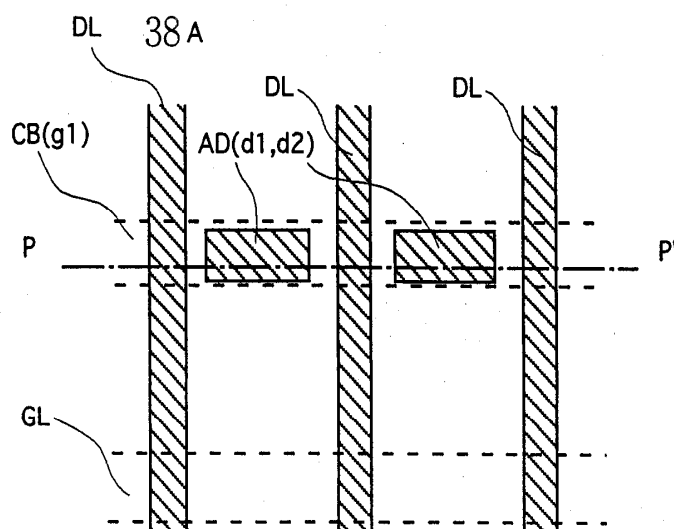


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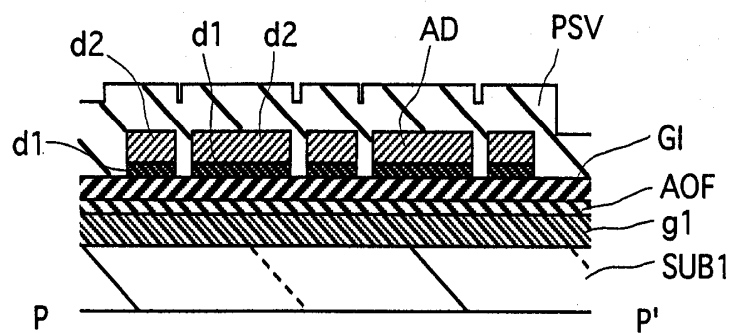




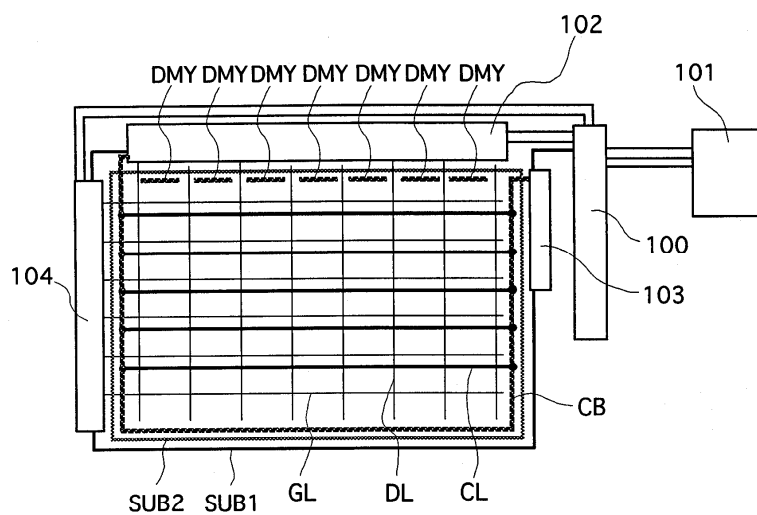
38



38B



39



专利名称(译)	液晶显示器		
公开(公告)号	KR100413584B1	公开(公告)日	2004-01-03
申请号	KR1020020027575	申请日	2002-05-18
[标]申请(专利权)人(译)	株式会社日立制作所		
申请(专利权)人(译)	Sikki日立制作所株式会社		
当前申请(专利权)人(译)	Sikki日立制作所株式会社		
[标]发明人	OHTA MASUYUKI 오오타마스유키 YANAGAWA KAZUHIKO 야나가와카즈히코 ASHIZAWA KEIICHIRO 아시자와케이이치로 MISHIMA YASUYUKI 미시마야스유키 OGAWA KAZUHIRO 오가와카즈히로 OHE MASAHIRO 오오에마사히토 YANAI MASAHIRO 야나이마사히로 KONDO KATSUMI 콘도카쓰미		
发明人	오오타마스유키 야나가와카즈히코 아시자와케이이치로 미시마야스유키 오가와카즈히로 오오에마사히토 야나이마사히로 콘도카쓰미		
IPC分类号	G02F1/1362 G02F1/1343 G02F1/1335 G02F1/133		
CPC分类号	G02F1/136286 G02F1/133512 G02F1/134363		
代理人(译)	SHIN , JOONG HOON		
优先权	1995058874 1995-03-17 JP 1995105862 1995-04-28 JP 1995191341 1995-07-27 JP		
外部链接	Espacenet		

摘要(译)

用途：提供一种LCD装置，通过与像素电极和对电极之间的单侧基板平行产生的电场来改变液晶的光学透射率和光学反射率，从而实现令人满意的视角特性和高清晰度LCD。组成：偏振器（POL2），黑色矩阵（BM），彩色滤光片（FIL），钝化膜（OC）和配向层（ORI2）设置在两个透明玻璃基板（SUB1）的一个（SUB2）上，SUB2）。在另一个基板（SUB1）上，设置偏振器（POL1），取向层（ORI1），漏电极，像素电极（PX），相对电极（CT），线和TFT。液晶（LC）通过取向层（ORI1，ORI2）与基板（SUB1）的表面平行排列。液晶（LC）的初始对准（RDR）与偏振器（POL1）的偏振轴（MAX1）几乎相同。另

一个偏振器 (POL2) 的偏振轴 (MAX2) 与偏振轴 (MAX1) 以直角交叉。版权所有KIPO & JPO 2004

