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7a	7c	3	EL
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12	11		
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14a	14c	11	

2,32 : 4,34 :

6,36 : 8,38 :

10,40 : 12,42 :

16,46 : 20 :

22 : 24 :

26 : 28 :

100,200 : 102,114,202,214 :

104,130,204,230 : 106,112,206,212 :

108,110,208,210 :

116,118,120,134,216,218,220,234 :

(Cathode Ray Tube) (Liquid Crystal Display : LCD), (Field Emission Display (Electro-luminescence :
: FED) 'EL') (Plasma Display Panel : PDP)

PDP 가 (Thin Film Transistor : 'TFT')가 LCD 가 LCD 가

가 EL EL EL (2) (2) (2) 가
2), EL (24), 1 (26) (28) (20) EL (28) (20) (24) (24) 가
(22) (26) (24) (24) 가 (24) (24) (24) 가
EL EL 2 (GL)
(DL) (DL) (150) (150) (GL)
(GL) 가 (DL) (150) (150) (GL)
(DL) (150) (VDD) EL (GND) EL (OEL) EL (OEL) (GL)
(152) (152) (T1), EL (OEL) (T2) (C)
(T1) (GL) 가 (DL)
1 (N1) 1 (N1) (C)
(T2) (VDD) EL (OEL) (T2) (I) EL (OEL) 가
(T1)가 (C) (VDD) 가
(I) EL (OEL) (T2) EL (OEL) 가
3 2
3 (GL) (RL)
(T2) (T2) (T1)
(T1) (GL) (130) (DL) ((106) (106) (108) (104) (118) (108) , (108) , 1
2 (116a,116b) (106) (102) (102) (108) . (102))
(RL) (T2) (T1) (108) (104) ,
(110) (134) (112) (100) (132) (114)
(114) 1 2 (110) (110) (110)
(T2) (120a,120b) (112) (110) (110)
(VDD) (GL) (100) (100) EL EL
() () (100) EL

, EL
 .
 4 EL EL
 4 , EL EL (8) , (8) EL
 (6) (4) (4) (2)
 (8) (10) (R), (G) (B) EL
 (8) (Blade)(16) 가 EL
 (4) (6) (8) EL
 (2) (2) EL (6) 5 6 EL
 (14) , (14) 1 n (SL1 SLn) 1 n
 (SL1 SLn) (2) (SL) 5 (2) 1 n
 (P1 Pn) (SL) (SL) 6 EL (SL)
 (stripe) (SL) EL (8) EL (2)
 30) (2) (4) (2) EL
 (1) , (2) EL
 EL (1) (2)
 (SL) EL EL (2) (4)가 (10) EL (1) (2) (8)
 ,) EL (2) (2) EL (SL) () EL ()
 EL (SL) 1 n (SL1,SLn)
 1 (h1) , 6 (14) 1 n (SL1,SLn)
 2 (h2) , 1 n (SL1 SLn) 1 n (SL1,SLn)
 -1) 2 (h2) . (SL2 SLn)
 1 n (SL1 SLn) (SL1,SLn)
 가 1 n (SL1,SLn) (14) 1 n (SL1
 ,SLn) EL , 7a 가 가 (SL1
 EL 1 n (R1,Rn) 7b 7c 가 가
 1 n (G1,Gn) (B1,Bn) 가 가
 8 (P1,Pn) EL (R), (G) (B) 1 가
 EL

가

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9 EL

9 , 가 EL (32) 1 n (P1 Pn)
(DP1,DP2)

P) (R), (G) (B) (RS,GS,BS) 10 (RS,GS,BS) (GL) (
(RL) (T1) (T2) (T2)

206) , (T1) (GL) (230) , (DL) (
(T2) (204) (218) (208)

1) (208) (216a,216b) (206) (202) (208) (202) 1 2 (T
(GL) (DL)

(232) (204) , (T2) (RL) (234) (T1) (208) (218)
(210) (212) , (200)

T1) (208) (204) (212) (210)
 (214) (214) 1 2 (210)
 20a,220b) (212) (210) (T2) (210)
 (GL) (210) (SL) (VDD) (210)
 () EL (260) EL
 , EL (260) 12 (36)
 1 (DSL1,DSL2) 1 n (SL1 SLn) 1
 n (SL1 SLn) EL (260)

(DP1,DP2) 가 (DR), (DG) (DB) (DP1,DP2)가 1 2 EL (270)
 EL (270) (36) (DSL1,DSL2) 1 n (DSL1,DSL2)
 2) (DSL) (SL1 SLn)
 n) EL (260) EL (270) (36) 가 가 (SL) (DSL)
 EL (260)

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 11 (38) EL (36) EL (34) (34) (38)
 (32)

(38) (40) (R), (G) (B) EL
 (38) (4) (36) 가 (36) EL
 (36) (Blade)(46) 가

DSL) (34) (38) EL (36) (42) (42)
 (DSL) (32) (32) EL EL (36)

(36) 12 13 (44) (44) (44) 1 n
 (SL1 SLn) (44) (DSL1,DSL2)

1 n (SL1 SLn) (32) (32) 1
 n (P1 Pn) 1 n (SL1 SLn)
 2 (h2)

(DSL1,DSL2) (44) (DSL1,DSL2)
 (32) (32)
 (DSL1,DSL2) (44) 1 (h1) 1 n
 (SL1,SLn) 1 (h1) 2 (h2)

(SL) (DSL) (stripe)
 (SL) (DSL) (DSL) EL 13 (60)
 (SL) (SL) (DSL) (DSL) EL (38) EL
 (32)

(34) (32) EL (32) (31)

, EL
 , (31) (32)
 (40) (38) (36) EL (38) (32)
 (38) (36) (SL) (DSL) EL
 (DSL) (38) (34) (36) (34) (34)
 32) (36) EL (62) 14a (32)
 (32) (P) (SL) (DSL) EL (62) (32)
) (DP) EL (62) (SL) EL (62) (32)
 EL (34) 14b (32) (32)
 (62) 14c (32) EL (68) EL (64) () EL
) EL (68) EL (64) , () EL

, EL 1 n , 가
 1 n , EL EL 1 n , 가
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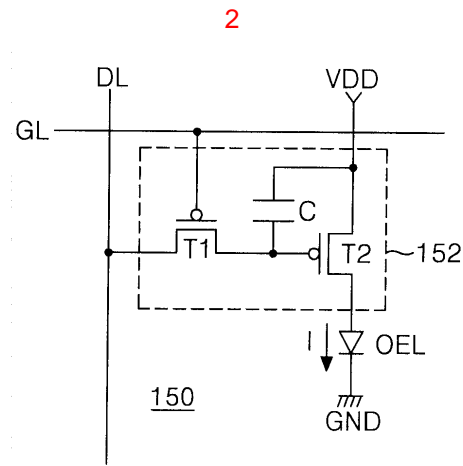
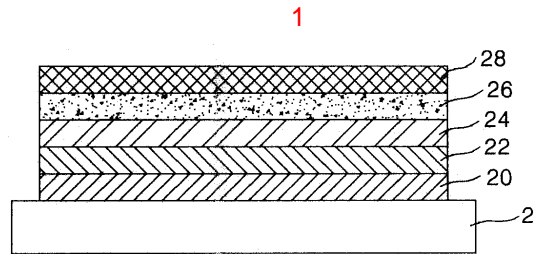
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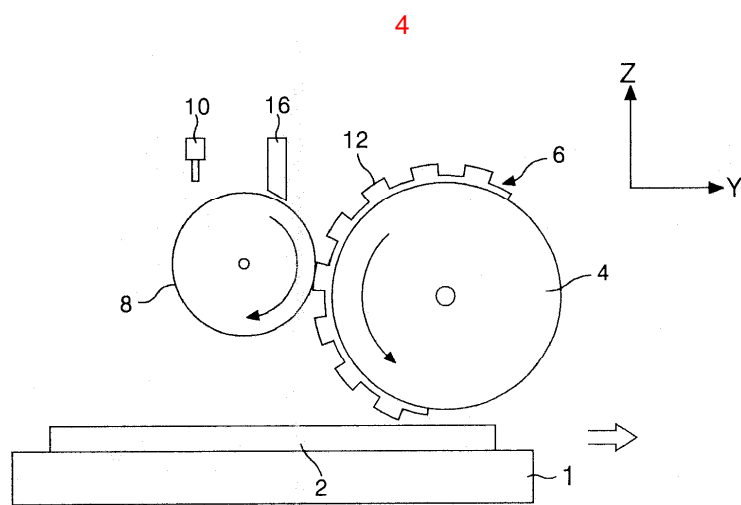
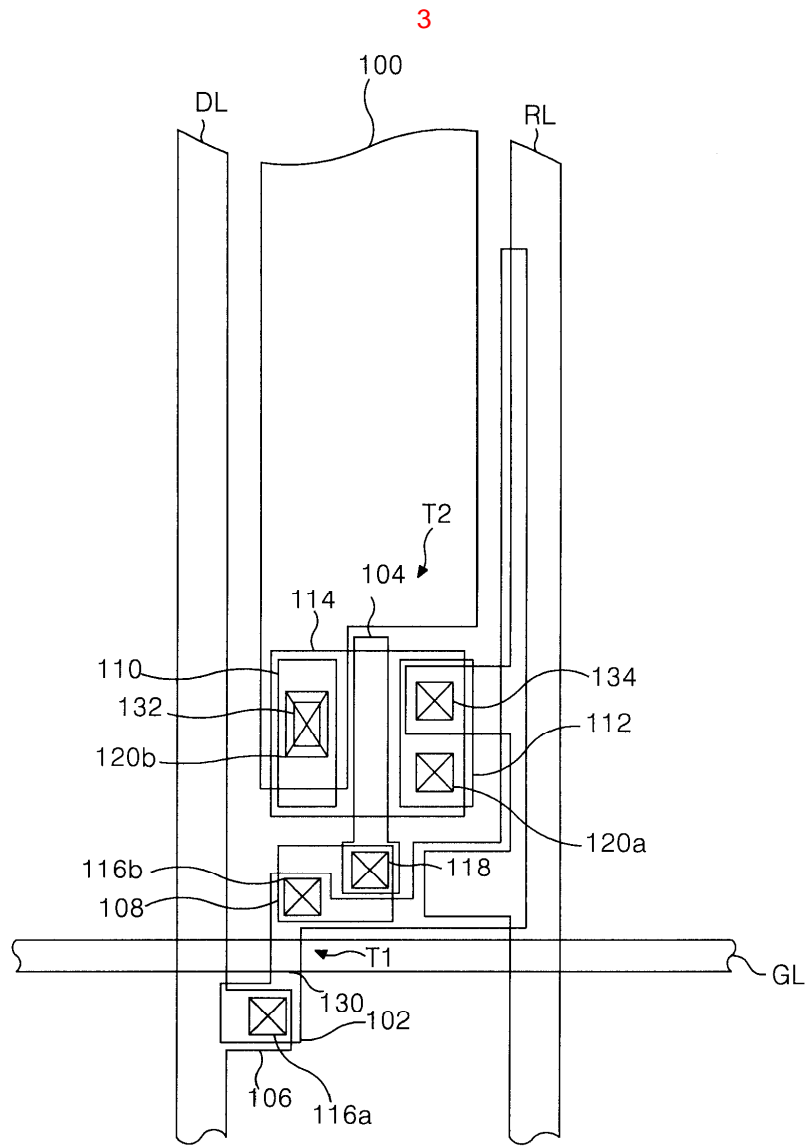
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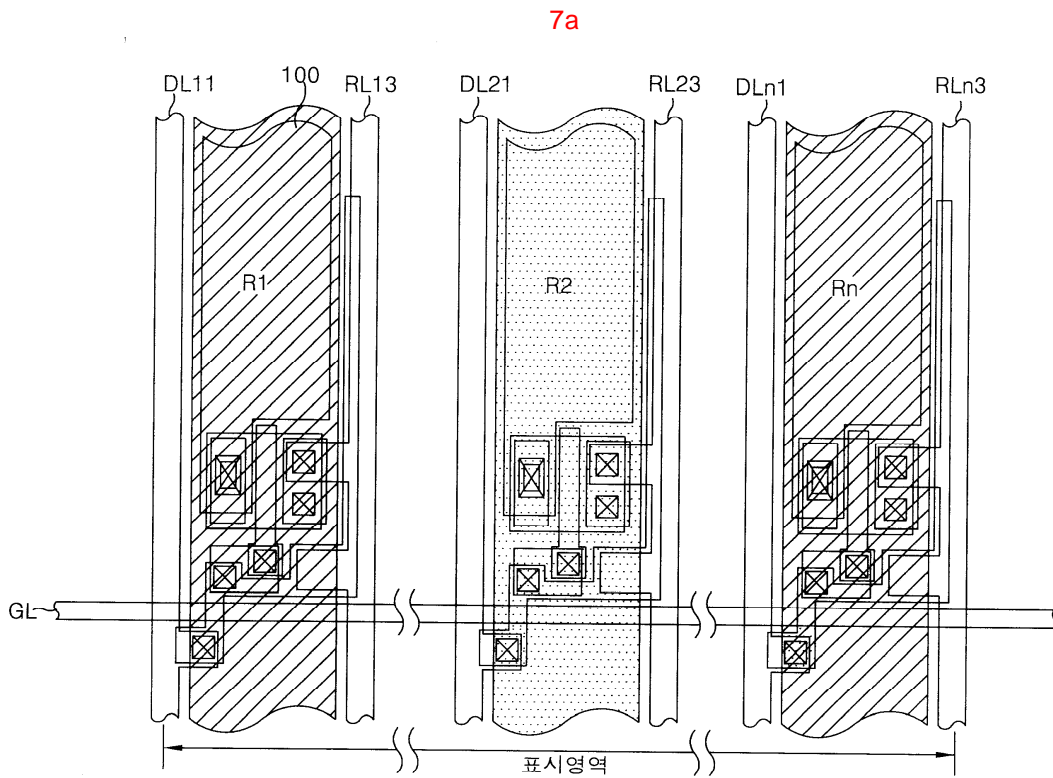
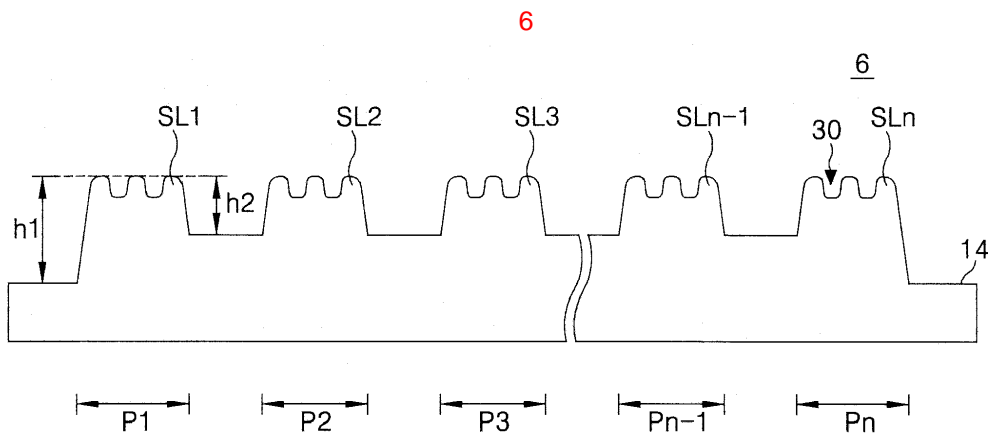
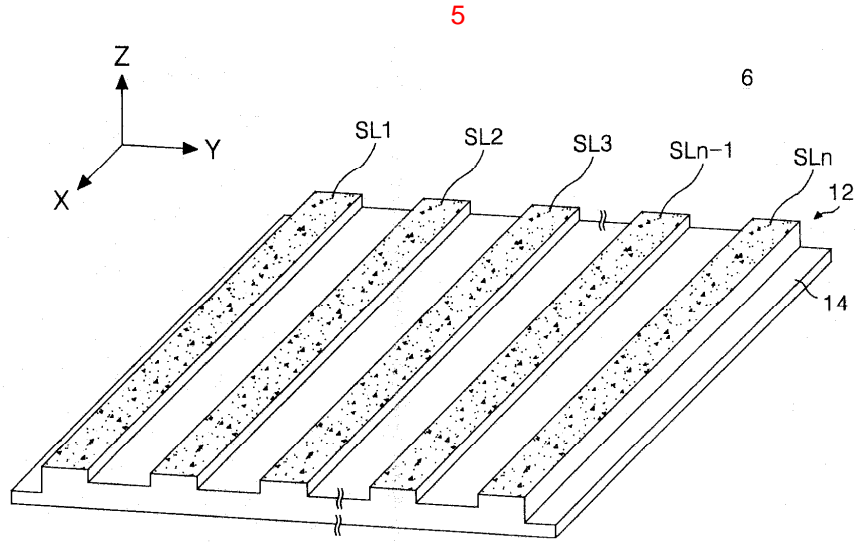
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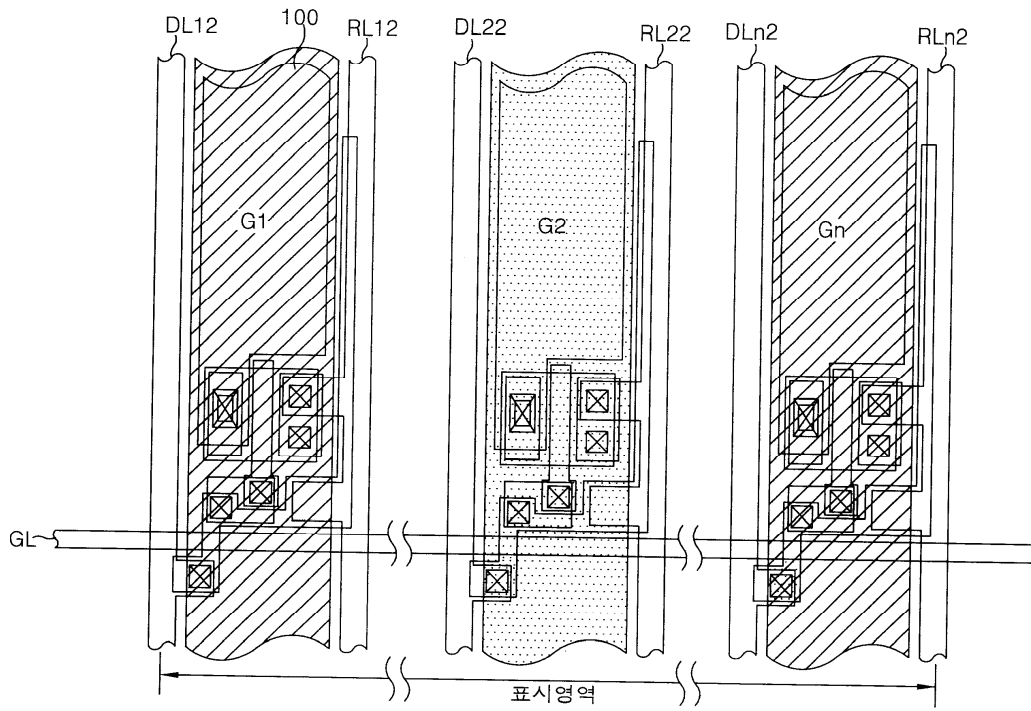
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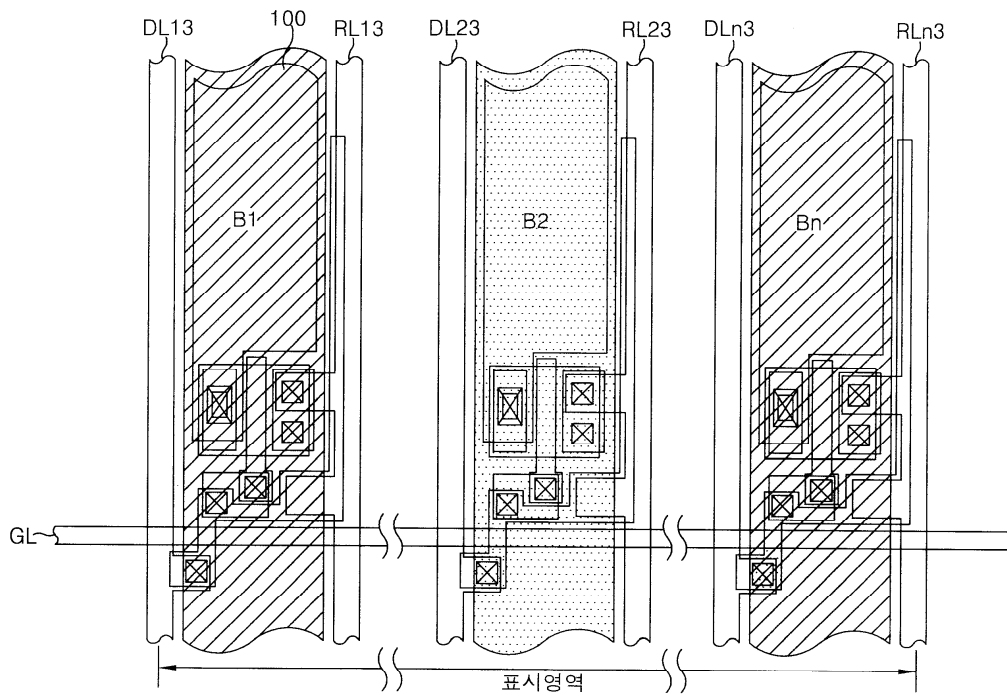




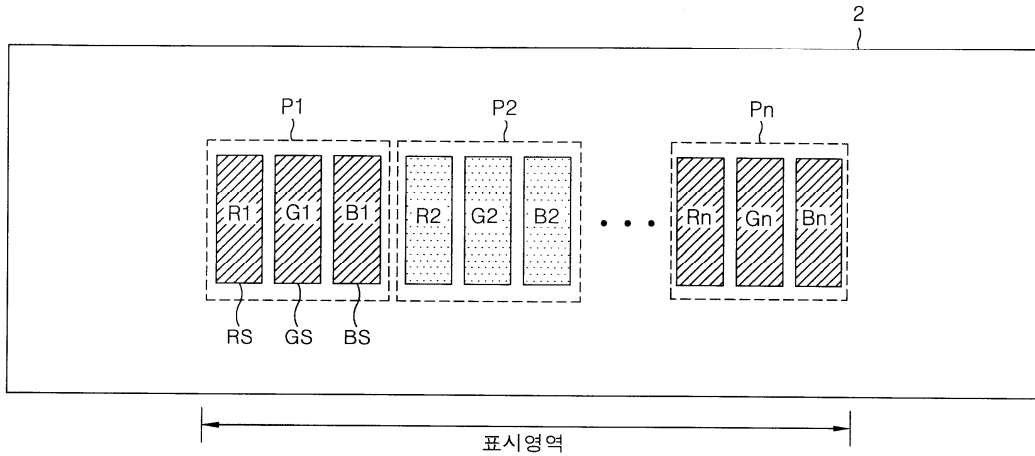
7b



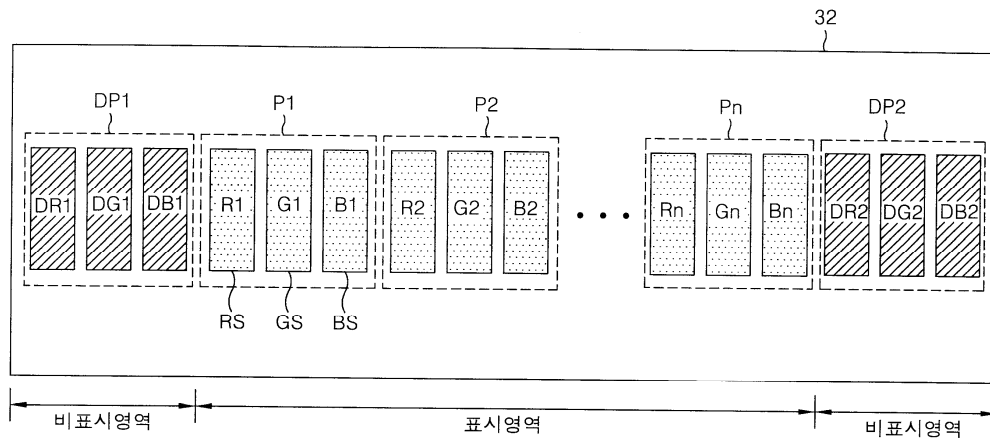
7c



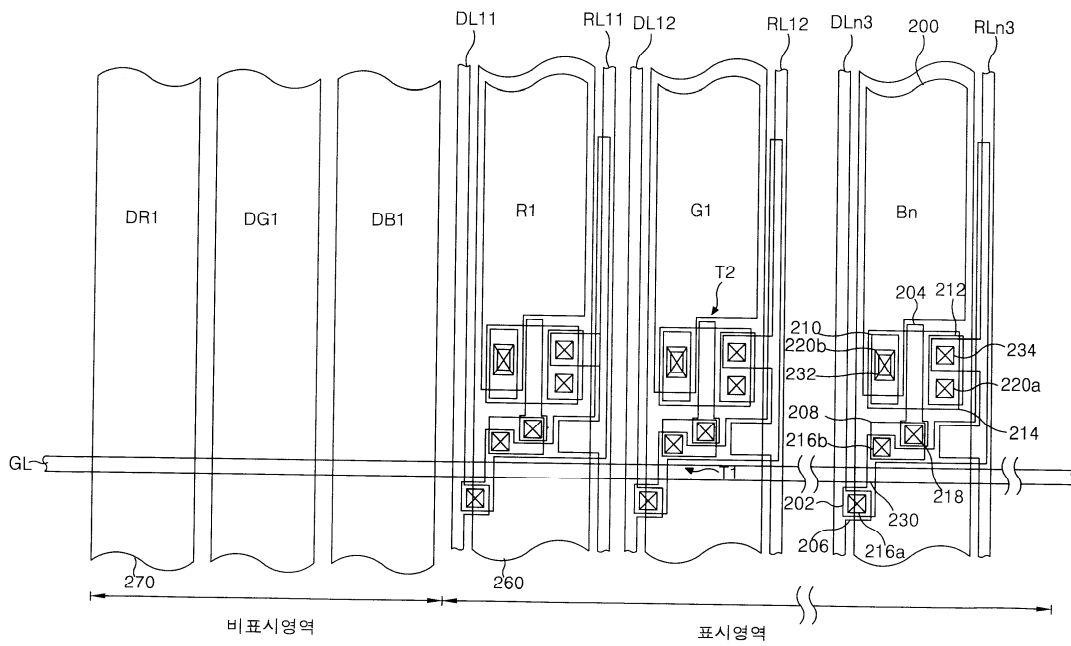
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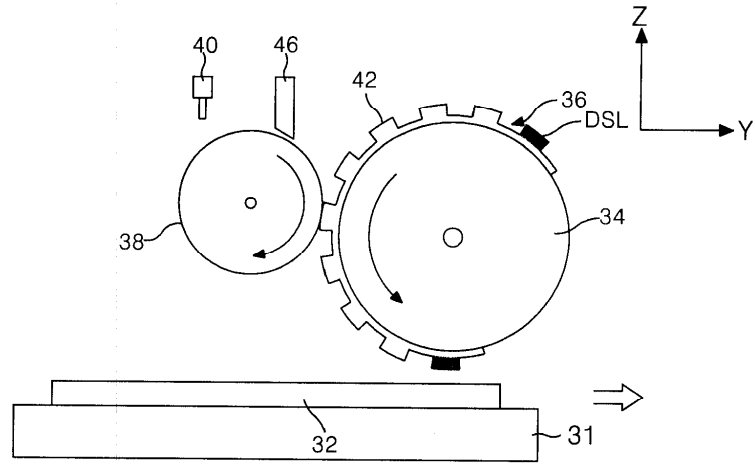
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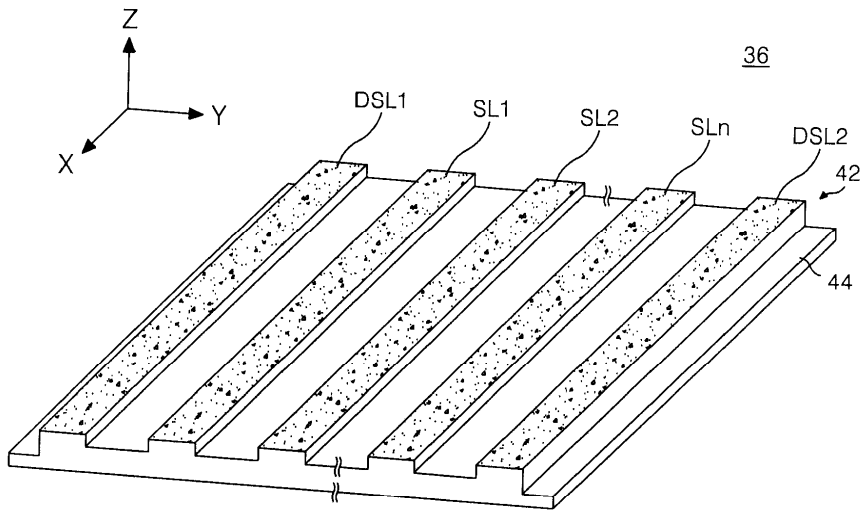
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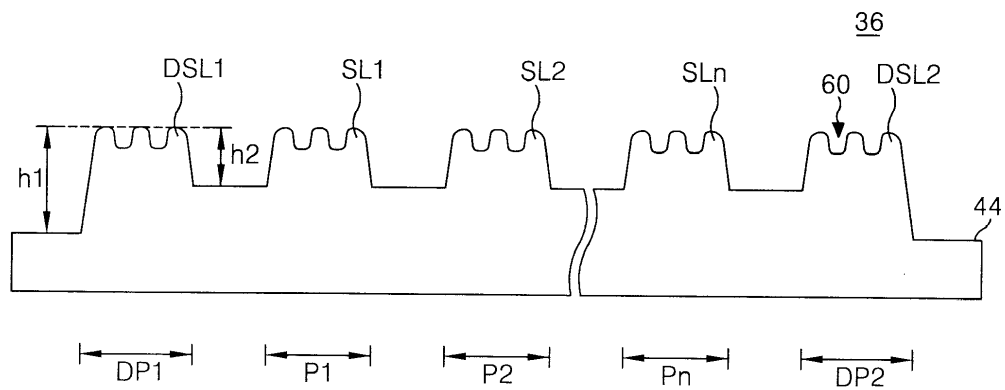
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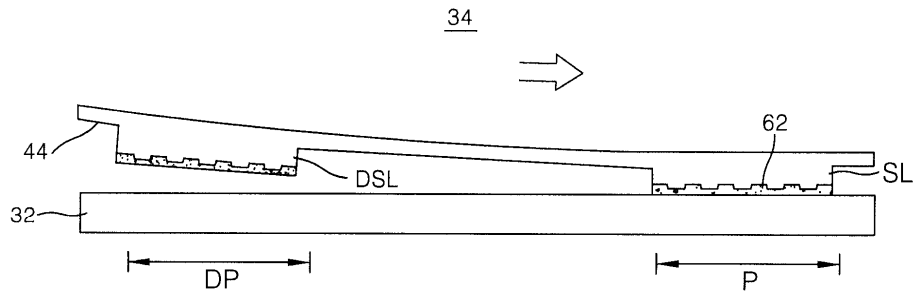
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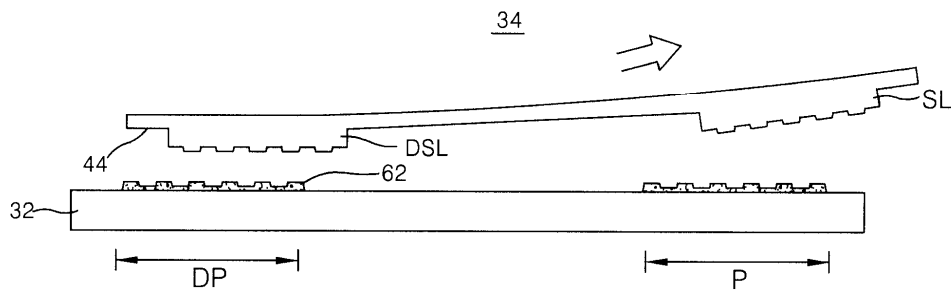
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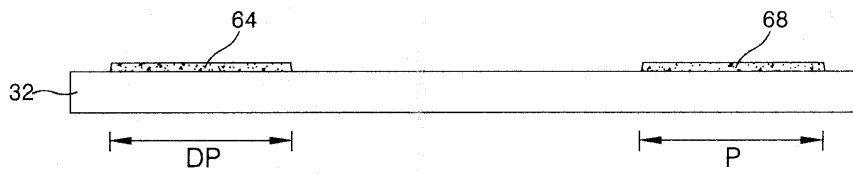
14a



14b



14c



专利名称(译)	电致发光显示装置，其制造方法和设备		
公开(公告)号	KR1020040062371A	公开(公告)日	2004-07-07
申请号	KR1020030017453	申请日	2003-03-20
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	BAE SUNGJOON 배성준 PANG HEESUK 방희석 KIM KYUNGMAN 김경만		
发明人	배성준 방희석 김경만		
IPC分类号	H01L51/00 H01L27/32 H01L51/50 H01L51/56 H05B33/14 G09G3/10 H01L51/40 H05B33/10		
CPC分类号	H01L27/3244 H01L51/56 H01L27/3223 H01L51/0004 H01L27/3211		
代理人(译)	KIM , YOUNG HO		
优先权	1020020088439 2002-12-31 KR		
其他公开文献	KR100538325B1		
外部链接	Espacenet		

摘要(译)

本发明涉及能够防止在不良印刷中产生的图像质量下降的电致发光显示装置及其制造方法和装置。根据本发明的电致发光显示装置的制造装置包括多个有机发光层，形成在显示区域中，用于具有显示区域和非显示区域以及虚设有机光的电致发光显示装置-在非显示区域上形成的发光层。并且，虚设有机发光层由形成在树脂的量边缘中的虚设图案线形成，用于在非显示区域和显示区域内模制虚设有机发光层内的有机发光层。

