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(12) (A)

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141-0001 - 가 - 가 6- 7-35 가 가

(74)

:

(54)

가 , .
(10) (20) , (30) (10) , (11)
(40) (50) , (10R, IOG, IOB) 가 (3)
0) , (10) (20) (IOR, IOG, IOB) , (50)
(50A) (50B) (50) (50) (50B) (10) (20)

1

1 ,

(斷面)

2 , 1 , , .
3 , 1 .
4 , 3 .
5 , 4 .
6 , 5 .
7 , 6 .
8 , 1 .
9 , 8 .
10 , 1 .
11 , 1 .
12 , 11 , , .

< >

10 : 11 :
12 : 1 13 :
14 : 15 : 2
20 : 21 :
30 : 30A :
31 : 32 :
40 : 41 : TFT
42 : 43 :
50 : 50A :
50B : 51 :
52 : 53 :
60 : 70 :
70A : 80 :

가 (驅動) (panel) (封止)
 (上面) (有機)

(自) 가 가

TFT(Thin Film Transist or;) 가
 가 (背面) (周緣部)
 (管體) (1) (seal) (延在) (硬化)

(基) 가 1,2- S0G(Spin On Glass
 (through-hole) (高解像度) (3))
 (4)

1 : 2001-102168
 2 : 2001-102166
 3 : 2001-102165
 4 : 2002-182380

(高) (輝度) · (高) (開口度)
 (全面) 가 (光) (取出;
 TF

(patterning)
 (端部) 가 (劣化) 가

가

가

가

가

가 , , 가 .

()

1 , (斷面) , (10) (20) , (10) (20) 1 (a) , (10) (40) (40) (IOG) , (50) (10R) , (matrices) (60) (70) , (11) (IOB)가, 1 (b) ,

(IOR, IOG, IOB) , (11) (陽極) 1 (12), (13), (IOR, IOG, IOB) (14), 2 (15) , 2 (15) (支線)(70A) (15) , (電氣的) , 2 (15) , (11) , (70) , (70)

1 (12) , , (Pt), (Au), (Cr) (W)

(13) , 1 (12) 2 (15) , (IOR, IOG, IOB) (13) , (SiO₂)

(14) , (10R, IOB) , (正孔) , (電子) 1 (12) 가 , , (IOG) , 1 (12) 가 . (電界) 가

]] , (10R) , [(N-)-N-] (-NPD) , -1,4 - (10R) , 2,5- [4-[N-(4-)-N- (錯體)(Alq₃) 가 . (10R)

OB) (IOB) , , 4,4 - (2,2 -) (DPVBi) , (IOB) (I , Alq₃ 가 .

(IOG) , , Alq₃ , -NPD 6(C 6; Coumarin 6) 1 % , (IOG) 가 .

2 (15) , (半) , 2 (15) , (Ag), (A1), (Mg), 2 (15) (Ca), (Na)

OB) (20) , (21) 가 , (21) , (10) (IOR, IOG, I (30) (IOR, IOG, IOB) . (21) ,

(IOR, IOG, IOB) (21) ,
 OG, IOB) { (圖示) } (IOR, IOG, IOB) (IOR, I
) (contrast) (外光)
 (30) , (10) (20) (10R, IOG, IOB) ,
 (50) (50A) (50B) (50)
 (10) (20) (50)
 (IOR, IOG, IOB)
 (30) , (IOR, IOG, IOB) (50) (50A) (50B) (31
) , (31) (21) (32) 가 (31) , (IOR, IOG, IO
 B) (SiO₂), (SiN)
 (32) , (熱硬化性) (10)
 (31) (20) (11) (32) ,
 (11) (31) (31) ,
 (11) (32)
 (40) , (IOR, IOG, IOB) TFT(41) . TFT(41)
 () , (走査) () ,
 PSG(Phospho-Silicate Glass) (層間) (42)
 (43) (43) , (42) TFT(41)
 , (43) , (A1) (A1)- (Cu)
 , TFT(41) , (bottom)
 (top)
 (50) , (40) (60) (IOR, IOG, IOB)
 (40) (60) (50) , (40)
 (11) 가 (50) , (10R, IOG, IOB)
 (51) (IOR, IOG, IOB) 1 (12) (43)
 (50) , (51) 가 (IOR, IOG, IOB)
 , (50) , (IOR, IOG, IOB)
 1% , (50) ,
 (Cr) (70) (70A) , 2 (15) , (Al)
 (低) (70) , (70A) , (13) (IOR, IOG, IOB)가 (70) ,
 (70) , (70A) 가 (70)
 , (70) , 1 (50) , (11)
 (70) (11) (contact hole) 2 (15) ,
 (50) (70) 가 (50) (70)
 2 , (10), (20), (30) (50) , (11) , (20)
 (10) (30) (80)가 (Ti)- (A1)
 (30) , 2 , (20) , (50) ,
 (30) (2)
 , , 1 (12) 2 (15) 가 , (14)

가 (30), (50) (50) 가 (31) (50B) (32) (10) (50) (20) (光) (50A) (20) (50B) (IOR, IOG, IOB) 가

3 6 (60) (11) , TFT(41), (42) 3 (43) 가 (40)

4 (91) (11) 가 (91) (50) 가

5 (50) (91) (51) 가 (40) (60)

6 (50) (12) (51) (道通) (13) (70) (70A) 1 (12) (80)(1) (12) (13) (11) (40) 1 (70) (成膜) (14) 2 (15)

(IOR, IOG, IOB) (50) (50A) (50B) 7 (31) (IOR, IOG, IOB) (32)

(10) (31) 가 (20) (32) (21) 가 (20)

1 2 가

3 (11) (40) (60)

8 (92) (50) (2) (92) (40) (60)가 가 (11) 9 (50)

5 (IOR, IOG, IOB) (80) (51) 7 6 (31) (32) (32) (10) (31) (20)

(50) (50B) (50A) (10) (20) (10) (20) (50) (50B) (30) (IOR, IOG, IOB) (50) (50) (IOR, IOG, IOB)

(31) (10R, IOG, IOB) (50) (50A) (50B) (31) (21) (32) 가 (31)

(32) 가 (10) (20) (32)

(30) (31) (32) 가 (31)

(32) 10 (30) (31)

()

11 가 (10) (30) (30) (50) (50A)

(50B)

0) (50) (30) (30A) (52) 가 (52) (5

(52) (53) (10R, IOG, IOB) 가

가 가 가

(52) (50) (50) (30) (30A) (52)

(52) (53) (IOR, IOG, IOB) 가

가 가

(11) 1 (12), (13), (14) 2 (15) (11)

(20)

(11) 2 (15), (14) 1 (12) (11)

(11)

1 (12) 2 (15)

1 (12) 2 (15)

12) 2 (15) (11) 2 (15), (14) 1 (1

2) (11) (11)

(IOR, IOG, IOB)

(70) 2 (15) (半)

(70A) 2 (15)

1 (12) (透光性) 가

(Zn)

ITO 가

(10) (31) (20) (32)

(10)

(32) (can) (32) (10) (20)

가

가

(57)

1. (驅動用) , (素子層) ,
 가 ,
 (封止用) 가 ,
 (端面)

2. 1 , ,

3. 1 , 가 ,

4. 1 , ,
 ,

(全面)

5. 1 , ,

6. 1 , 가 , 1 , (光) 2 2 (取出;)

7. 6 가 , , 2

8. 1 , , 가 ,
 (離間)

9.

, , , , , 가

10.

9 , , (sheet)

11.

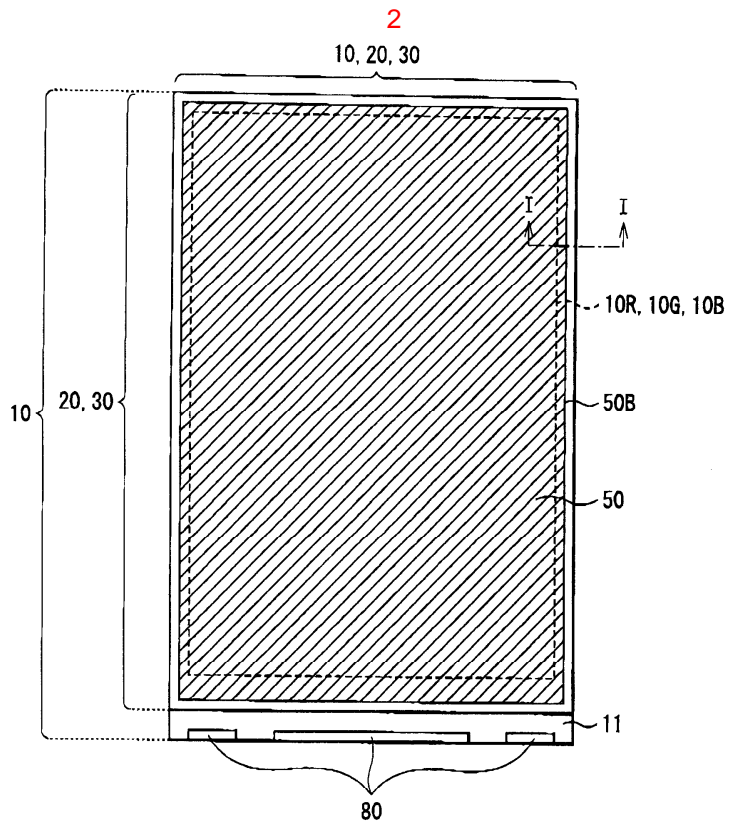
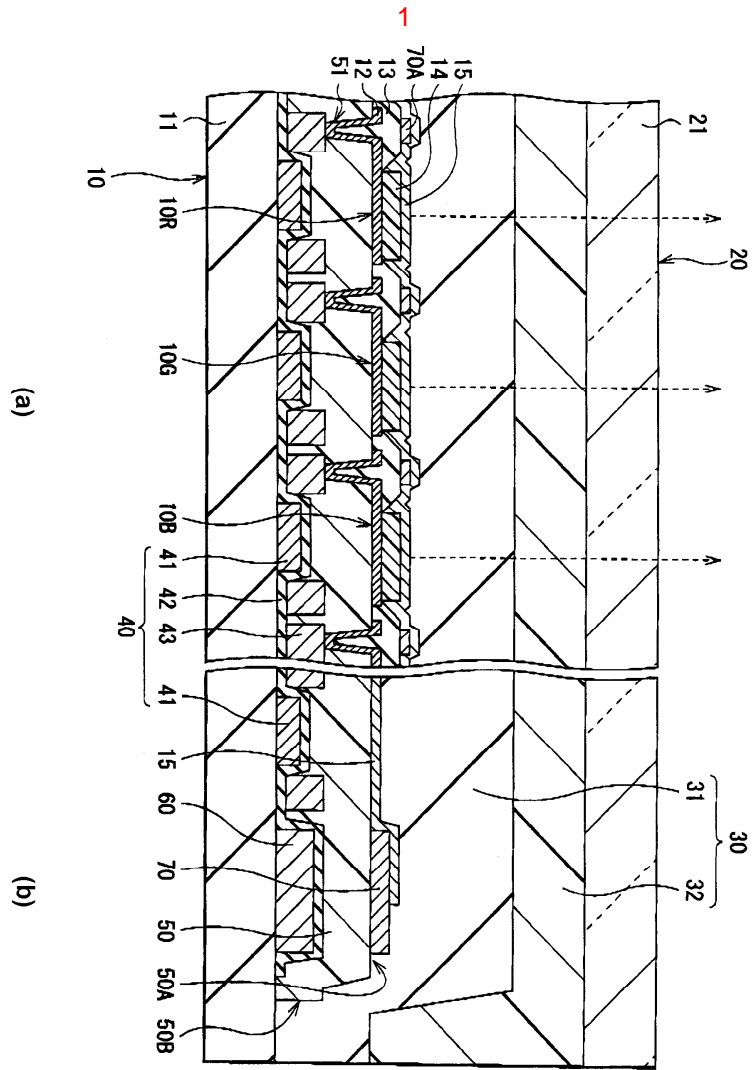
9 , (感光性) 가 (膜) , (露光) (現像)

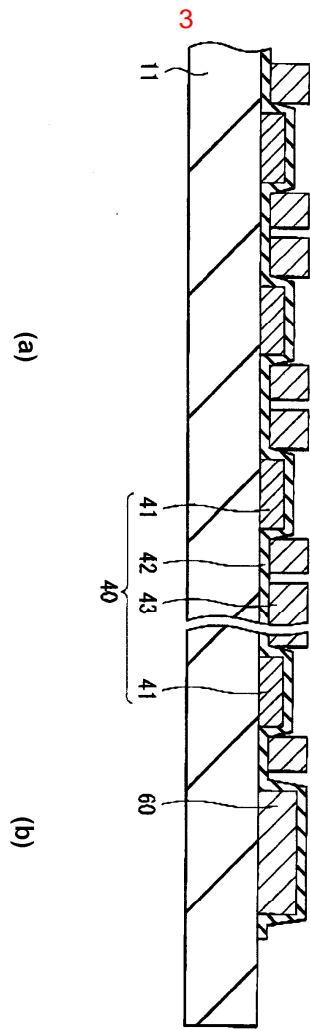
12.

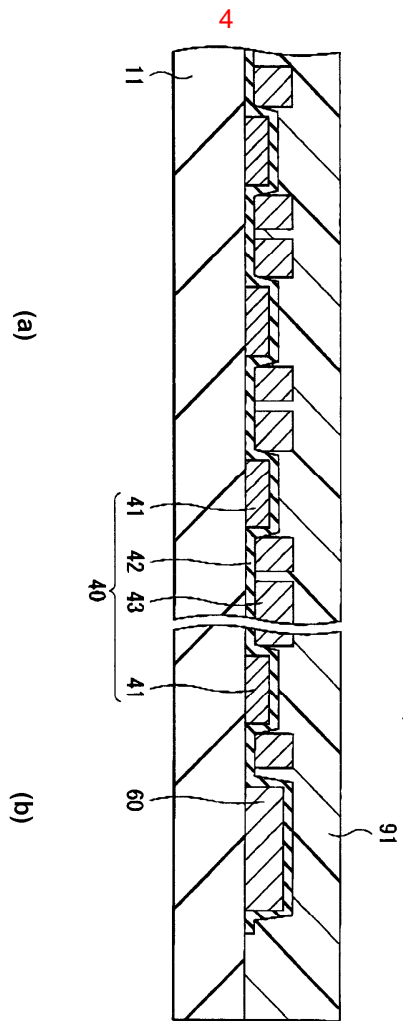
9 , , , , ,

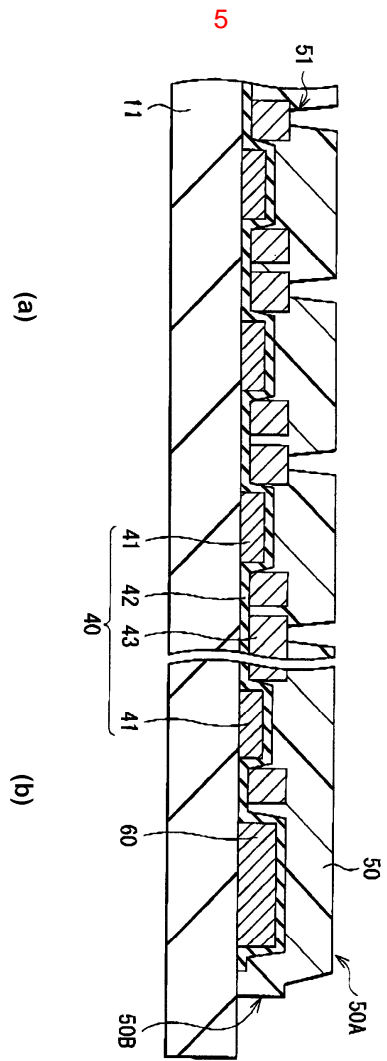
13.

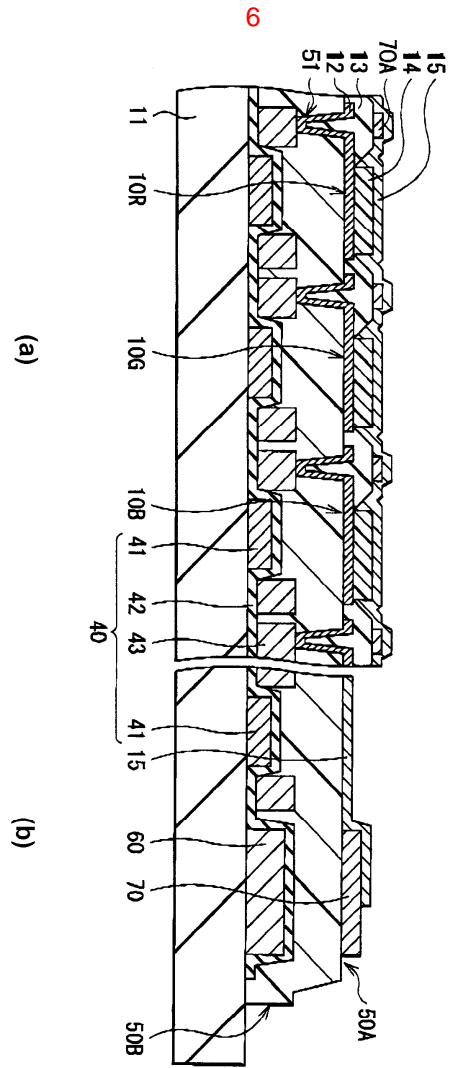
9 , 가 , 1 , 2 2

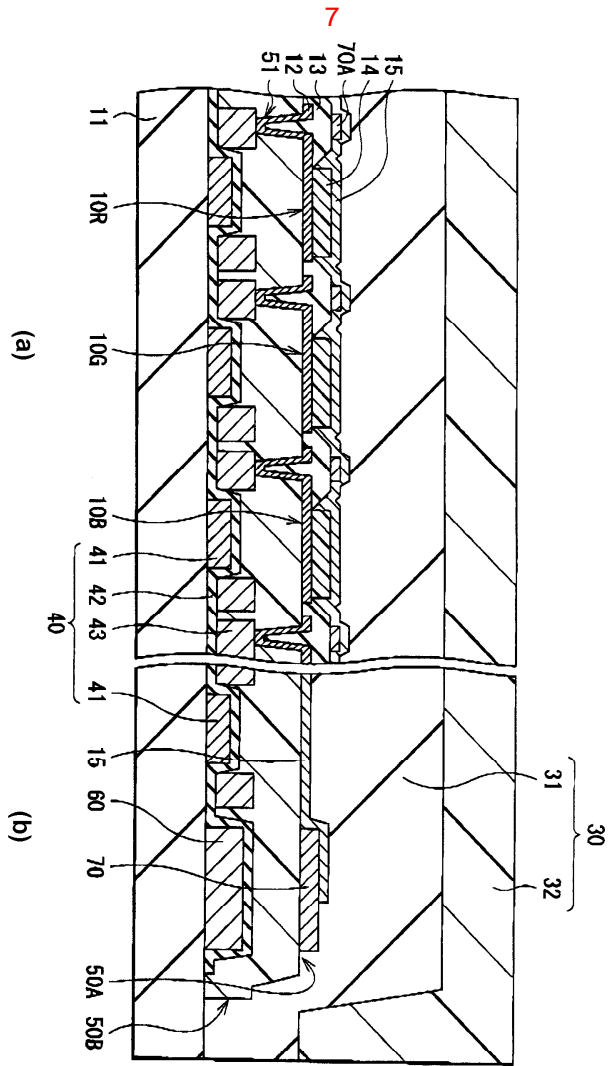


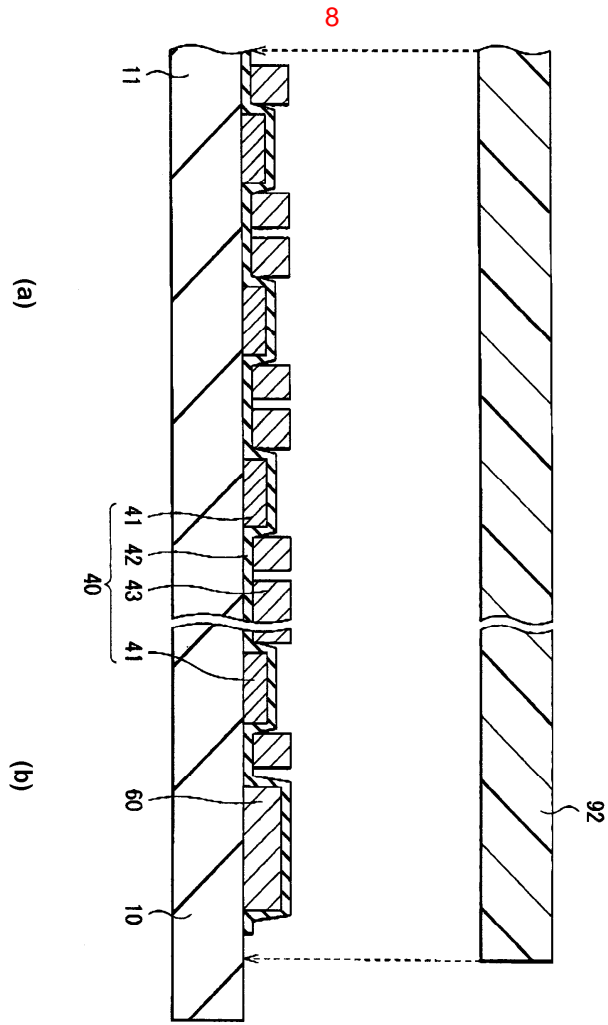


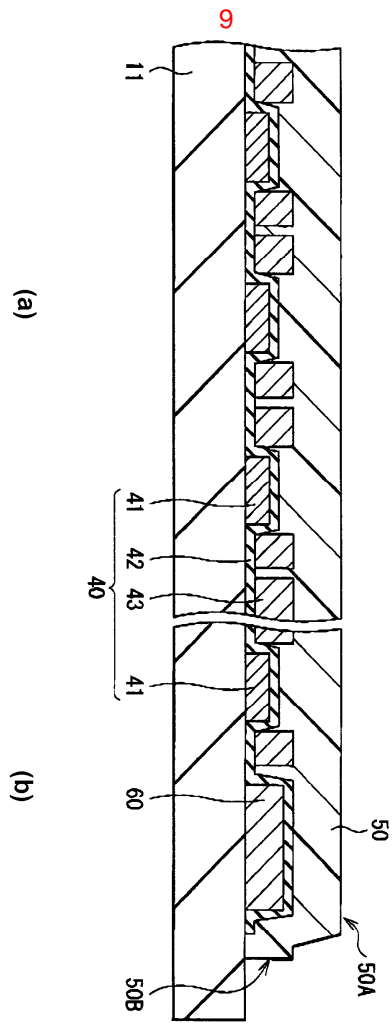


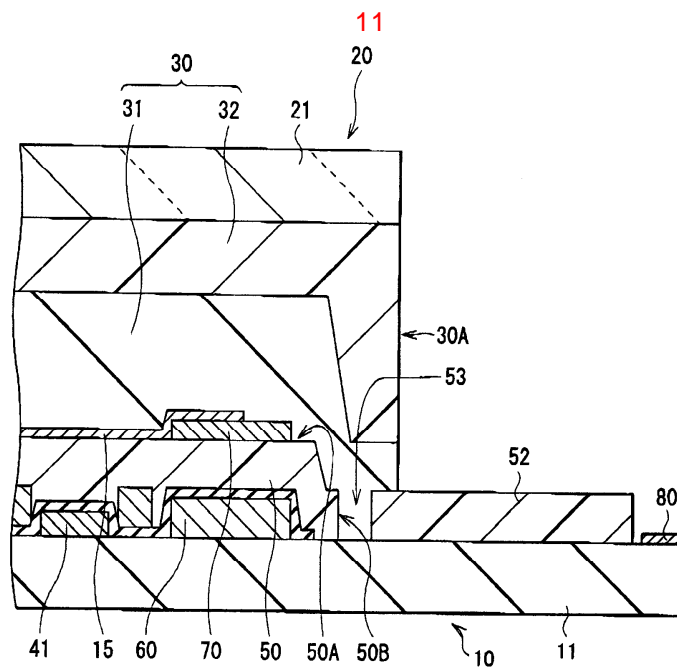
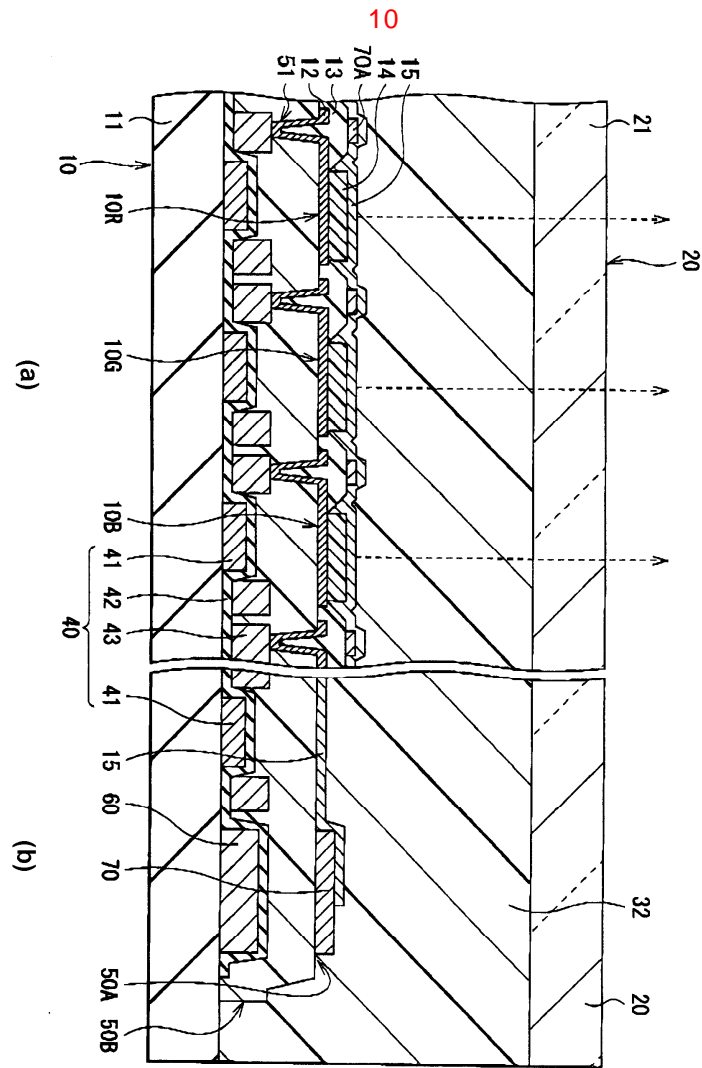


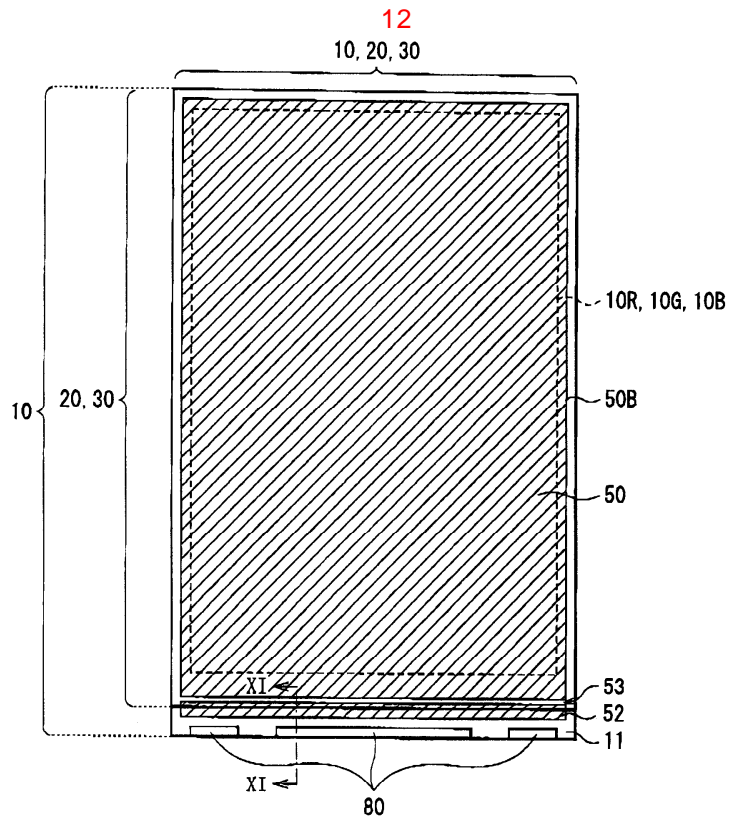












专利名称(译)	显示装置及其制造方法		
公开(公告)号	KR1020040076214A	公开(公告)日	2004-08-31
申请号	KR1020040011856	申请日	2004-02-23
[标]申请(专利权)人(译)	索尼公司		
申请(专利权)人(译)	索尼有限公司		
当前申请(专利权)人(译)	索尼有限公司		
[标]发明人	IWASE YUICHI 이와세유이치 ASANO MITSURU 아사노미쯔루 HIRANO TAKASHI 히라노타카시		
发明人	이와세유이치 아사노미쯔루 히라노타카시		
IPC分类号	H05B33/04 H01L51/50 H01J17/00 H05B33/00 H05B33/26 H05B33/14 H01L51/52 H01S3/08 H01L27/32 H05B33/10		
CPC分类号	H01L27/3244 H01L51/5237 H01L51/5253 H01L51/5246		
代理人(译)	MOON , KYOUNG金 KIM , HAK SOO		
优先权	2003046318 2003-02-24 JP 2004010345 2004-01-19 JP		
其他公开文献	KR101021591B1		
外部链接	Espacenet		

摘要(译)

提供了通过涂层增加可靠性水分中断的显示装置。驱动板(10)和袋板(20)插入中间层(30)并面对。驱动面板(10)具有有机发光装置(10R, 10G, 10B), 其中覆盖有驱动器部件层(40)的涂层(50)插在驱动基板(11)上。安装中间层(30)以覆盖驱动面板(10)和袋面板(20)之间的有机发光装置(10R, 10G, 10B)。同时, 不仅涂层(50)的表面(50A)而且横截面(50B)也覆盖。涂层(50)的横截面(50B)不会从驱动板(10)和袋板(20)的间隔露出。没有涂层(50)对路线和外部湿气破坏的工作。

