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2003 - 0030863
2003 04 18

(21) 10 - 2002 - 0058329
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(30) JP - P - 2001 - 00313751 2001 10 11 (JP)

(71) 가 가 가 4 6

(72) 가 2-5-1
가 가 460
가 406-1

(74)
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(54)

1 ,	,	.
2 ,	가	.
3 ,		.
4 , 3 IV - IV		.
5 , 3 V - V		.
6 , 1 VI - VI		.
7 ,		.
8 ,		.
9 ,		.
10 ,		.
11 ,		.
12 ,		.
13 ,		.
14 ,		.
15 ,		.
16 , 15 XVI - XVI		.
17 ,		.
18 ,		.
19 ,		.
20 ,		.
21 ,		.
22 ,		.
23 , 22 IIXIII - IIXIII		.
24 ,		.
25 ,		.

26 ,

[]

SUB GL

DL CL

TFT PX

CT PSV

SL INJ

SEL BM

, ,

가 (外圍器) ,

가

(seal)

가 , ,

UV(ultraviolet) 가 , UV

가

가 , 가

가 UV UV

UV

UV

가

가

(1)

(2)

(3)

가

가

가

(4)

가

(5)

가

(6)

가

(7)

가 가 ,

1.

< < 가 > >

2 , 가 가 ,

(SUB1, SUB2) , (SUB1)

(SUB2) (SL)

(SL) () (INJ)가 (INJ) (INJ) (SE

L)가 (SL) (SEL) , (INJ)

(SL) (SUB1) , x y

(GL) y x (DL)

(GL) (DL) (AR)

, x (CL) (CT) (CL)

(GL) (TFT) , (TFT) ,

(TFT) (DL) 가 (PX)

(PX) , (CL) (CT)

(GL) (SL) , (V)

가 (V) 가 (V)

(V) 가 (GL) 가

가 , (DL) (SL) , (He)

(He) 가 (He)

가

(He) 1 가 , (DL) 가
, x (SL) , (CL) (CLT)
(GL) , (V) , 1 가
, 가 (DL) , (He) , (GL)
< < > >
3 , 4 3 IV - IV , 5
3 V - V
3 (SUB1) , , x y
(GL)
(GL) (DL)
, (GL) (GL) (CL)
, (CT) , (CT) (CL)
(GL) (GL)
(CT) , y x (3)
, (CT) , (DL)
(CT) (CT)
(CT) (DL) 가 (CT) (終端) ,
(PX) 가 (PX)
(GI) (GL) (CL) (SUB1) SiN
(GI) (4, 5) (GL) (CL)
(GI) , (DL) (GL) (CL)
(Cstg) , (TFT) 가
, (GI) (GL) (Si)
(AS)

(AS) , (TFT) , (SD1) (SD2)
 , (GL) (stagger) MIS

(SD1) (SD2) (DL)

, y x (DL) 가 (AS)
 (SD1) (SD1) (TFT)

(SD2) (SD2) (AS) (PX)

(PX) (CT) y x (CT) (2)

(PX), (CT), (PX)... (DL) (DL) (CT),
 (CT)

(PX) (CL)

(PX) 가 (CL)
 (GI) (Cstg)가

(Cstg) , (PX) 가

(AS) (SD1) (SD2)

(AS)

(SUB1) (TFT), (DL), (SD1), (SD2) (PX)
 (PSV) (PSV)(4, 5)
 (TFT) (TFT)

(PSV) , SiN

(PSV)
 (ORI1)

(PSV) (ORI1) (ORI1)

, (SUB1) (BM)가 (SUB2) (BM) ,
 가 ,
 , (TFT) (BM) (SUB1) (TFT) (TFT) ,
 (BM) 가 (SUB2) (周緣) ,
 (SUB2) (BM) ,
 (BM)가 (SUB2) (FIL)가 (FIL)가
 (FIL) (R), (G), (B) , y
 가 (R) , (G) , (B) , (R) ... x
 (BM) (FIL)가 (BM) (FIL)
 (OC) (FIL) (OC) ,
 (BM) (FIL) ,
 (OC) (ORI2) , (ORI2) ,
 < < > >
 1 2 (INJ) , VI - VI 6
 1 (SL) (SUB1) (INJ) (SL) ,
 (SUB1) (SUB1) , 6 (GL), (PSV), (ORI1)
 가 (SUB1) (SUB1) ,
 (INJ) (SEL)가 (SEL)
 (SEL) (PSV) ()
 GI) (ORI1) (SEL) (GI) (ORI1) 가 , UV
 (SUB2) (BM)가 (BM) (S)
 UB2) (SEL)

(SEL) , UV (INJ) (SUB2) UV (INJ) (BM)
 , (SUB1) UV (GL), (PSV), (ORI1)

(SEL) , 가
 (INJ)

2.

7 , 1

1 (SEL) (PSV) , (PSV) (SEL)

(PSV) , (SEL)가 (SL) , (SEL)

(SEL) (AR) , (SEL)

3.

8 , 1

1 (PSV) , (PSV) (SEL)가 (SL)
 (SEL) (AR)

(SEL) (PSV) ,

4.

9 , 1

1 (PSV) , (PSV) (SEL)가 (SL)
 (SEL) (AR)

(SL) (PSV) (SUB1, SUB2)

5.

10 , 1

1 , (INJ) 가

(SL') (PSV) (PSV') (SL)

, (SL) (SL') , (PSV)
(PSV')

(INJ) , (AR) (INJ) (SUB1, SUB2) 가,
(PSV)

6.

11 , 1

1 (INJ) (SEL) (AR)
(IPM)

(IPM) , (SL) , (SEL)

, (PSV) (INJ) , , (SL)

7.

12 , 1

1 , (PSV) (SL) , (INJ)

INJ) (SEL) (AR) 가 , , ((SEL) 가 ,

(PSV) (SUB1) UV , UV
(PSV) (SEL)

, (SEL)

, 가 , (INJ) (SEL) (SEL) , (PSV)
(SEL)

8,

13 , 1

1 (INJ)가 (SL) (PSV)
(SL) , (INJ) (AR)

가 , (INJ) (PSV) , (PRJ)
(PRJ) (PSV) (PSV)

(PRJ) , (INJ) (SUB1, SUB2) (AR)

, (SUB1) UV (SEL) .

9.

14 ,

, 1 .

1 (SEL) , 2 (PSV) 가 (SL) , (INJ)

, (SUB2) (SP) 가

(SP) (AR) , (PSV)

, (INJ) (AR) .

10.

, (SUB1) (SUB2) (SL)
(INJ)가 .

, 15 (SUB1) (SL) , UV
(SL) (SUB1, SUB2) (SUB2)

가

, (SL) 가 , UV .

, (SL) 가

, (SL) 가

11.

16 , 11 (SL) (SL)
15 XVI - XVI .

, (SUB1) (PSV) ,
(SL)

, (SUB2) (BM) 가 (SL)

, (SL) UV (SUB2) .

12.

17 , , 16 .
 16 , (BM)가 (SL)가 가
 (PSV) (SL)가
 (SL) UV (SUB1) (SUB2)

13.

18 , , 17 .
 17 , (PSV) (SL)

14.

19 , , 18 .
 18 , (BM) (SL)
 (SL) UV (SUB1)

15.

20 , , 16 .
 16 (SUB1) (PSV) (BM) ,
 (SL)
 (SL) UV (SUB2)

16.

21 , , 19 .
 19 (AR) (SUB2) , (SL) (SO)가 (SP)
 (SP)
 (PSV) (AR) (SUB1) (PSV) (SP) , (SL)가
 (PSV') ,
 (SL) (AR)

17.

, 11 (FNC) , 22 (SL) (SL)

22 IIXIII - IIXIII (SP) 23 (FNC) (FNC) (AR) (SL)

18.

24 , , 22 .

22 (FNC) , 17 (FNC) 가 , .

19.

25 , , 22 .

22 (SL) 가

20.

26 (SUB1) , 11 (SUB2) (SL) (OR11, OR12) , (SL) ,

(SL)

(57)

1.

가 ,

가

2.

1 ,

(凹)

3.

2 ,

4.

1 ,

가 ,

5.

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,

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가 ,

가

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6.

5 ,

가

7.

6 ,

8.

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, ,
,
가 ,
가

9.

8 ,

10.

9 ,

11.

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, ,
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가 ,

가 ,
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12.

11 ,

13.

11 ,

가 가 ,

20.

19 ,

가

21.

19 ,

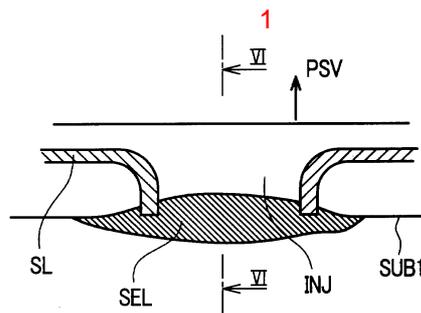
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19 ,

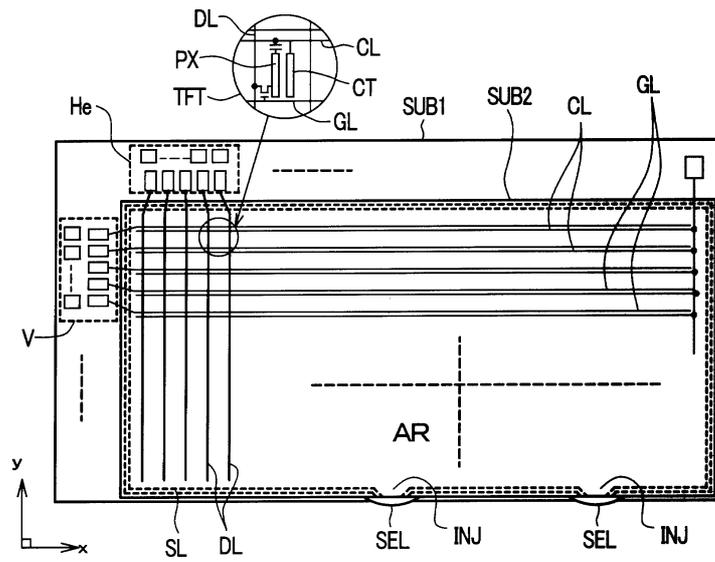
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19 ,

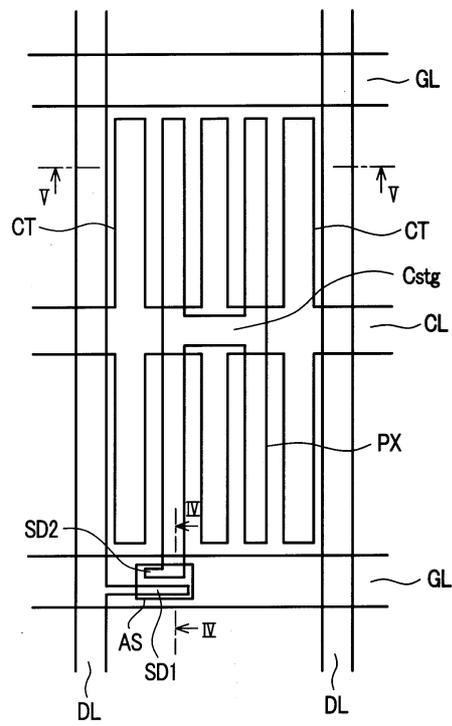
가 ,



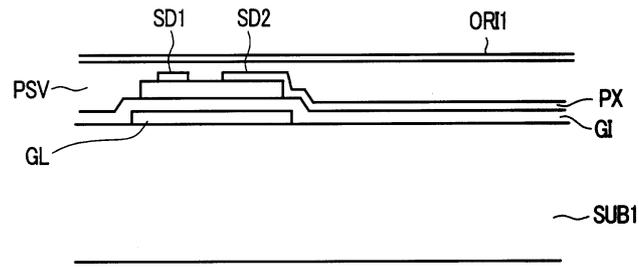
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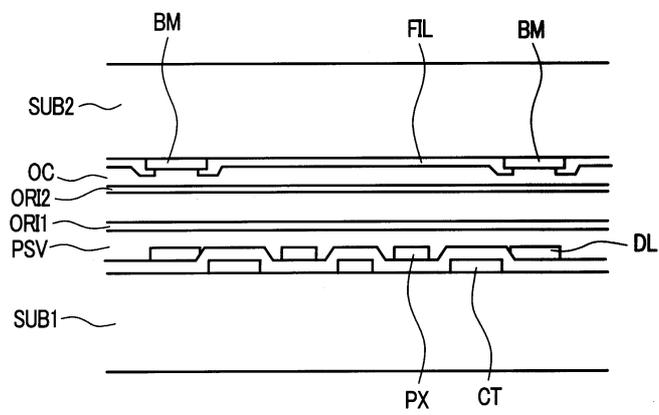
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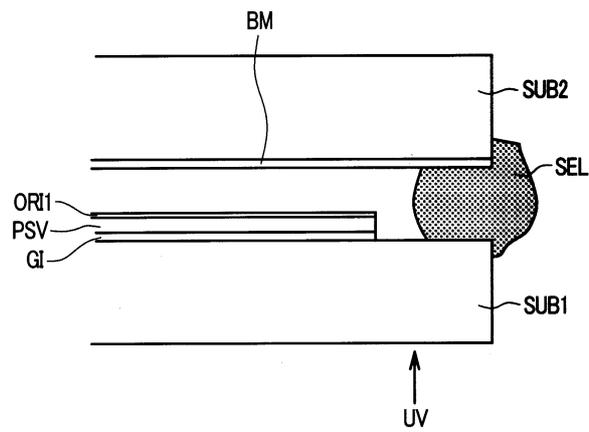
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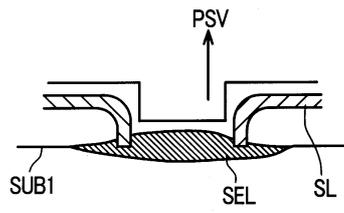
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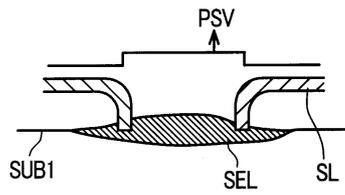
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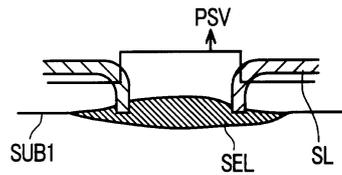
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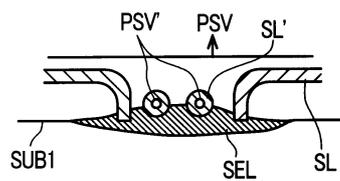
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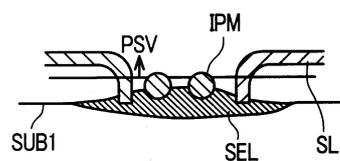
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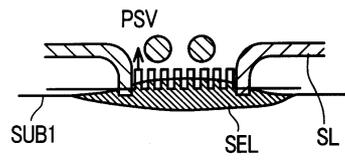
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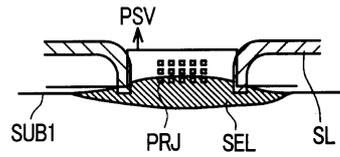
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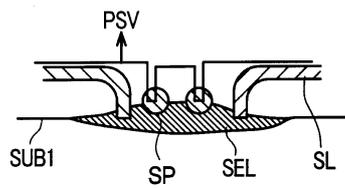
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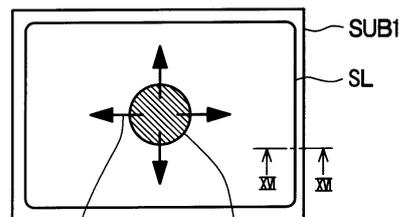
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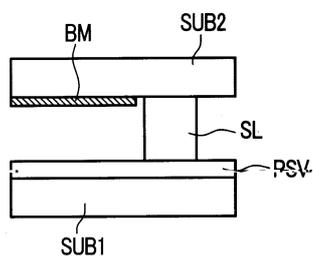


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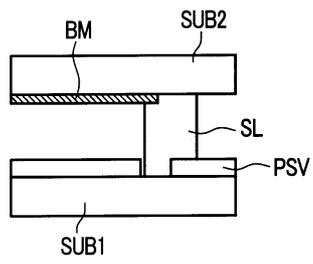


주변으로 퍼짐 액정을 적하한 영역

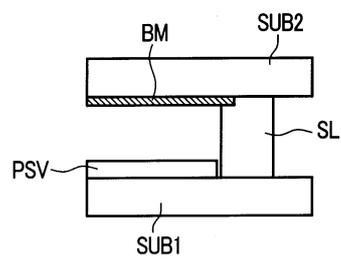
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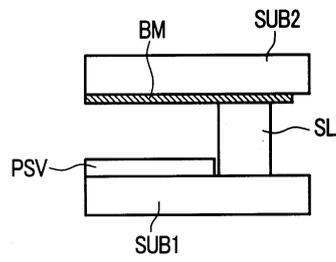
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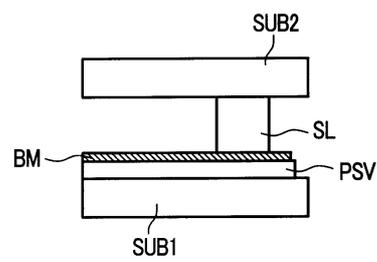
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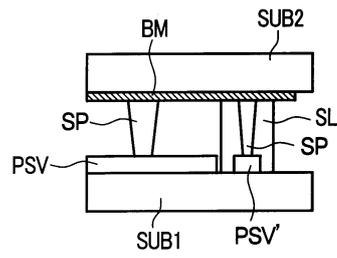
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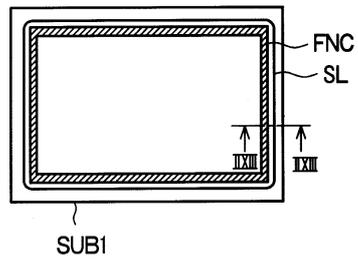
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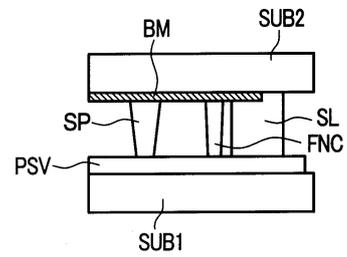
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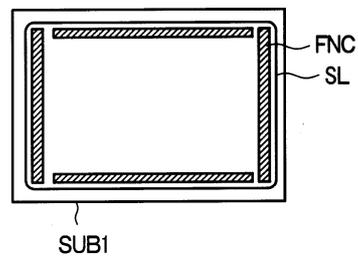
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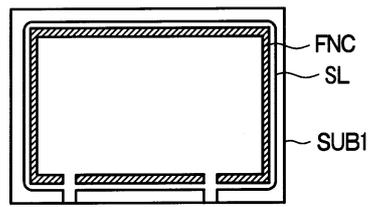
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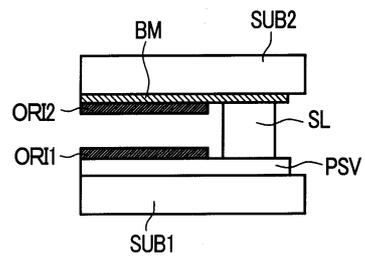
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专利名称(译)	液晶显示器		
公开(公告)号	KR1020030030863A	公开(公告)日	2003-04-18
申请号	KR1020020058329	申请日	2002-09-26
[标]申请(专利权)人(译)	日立HITACHI SEISAKUSHODBA		
申请(专利权)人(译)	株式会社日立制作所		
当前申请(专利权)人(译)	株式会社日立制作所		
[标]发明人	NAKAYOSHI YOSHIAKI 나카요시오시아키 KURAHASHI NAGATOSHI 쿠라하시나가토시 YANAGAWA KAZUHIKO 야나가와카즈히코		
发明人	나카요시오시아키 쿠라하시나가토시 야나가와카즈히코		
IPC分类号	G02F1/1339 G02F1/1333 G02F1/1341 G02F1/1337 G02F1/1335		
CPC分类号	G02F1/1341 G02F1/1339 G02F1/133509		
优先权	2001313751 2001-10-11 JP		
其他公开文献	KR100537924B1		
外部链接	Espacenet		

摘要(译)

关于密封剂粘合在一起的液晶显示器的密封剂，在一对基板的一侧上形成的有源元件，面对穿过液晶和一对基板和有机膜，其形成为覆盖有源元件和形成在一对基板和一对基板的两侧的光学屏蔽层具有通过密封材料疏散的插入入口部分。并且光学屏蔽层和有机膜延伸到密封剂的外部并形成外部。此外，有机膜至少一部分从插入入口部分烧制。液晶显示器，基板，线，有源元件，有机膜，光屏蔽层。

