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(54)

, , 1 2 , 1 ,
, 2 , 가 2 , 1 2
, , 2 , 1 , 2
가 , 1 2 , 2

4

, , ,

1

2a 2g

3a

3b 3a

4

5a 5g

*

300, 400 : 1 305, 405 :

309 : 314 :

315 : 316 :

317 : 319 :

320 : 321, 430 :

322, 432 : 325 :

326 : 330 :

331 : 1 335 : 2

350, 450 : 2 401 : Ag

403 : 403a :

410 : 412 :

420 : 460 :

470 : 480 :

, PC

, TV,

, 가

가

가

(glass fiber) 가

가

가

가 UV 가

가

가

가

가

1~2

가

UV

가

가

1

2a

2g

1

, TFT가

Vcom

가

Ag가

1

(100)

1

(112)

(105)

(105)

(150)

2

2 (150)

(105)

(125)가

UV

(110)

(150)

, UV

(125)가

UV

(110)

(120)

(105)

(125)가

UV

(110)

(125)

(125)가

UV

(110)

, UV

100

1

10

0

2

가

3

가

가

가

가

가

가

UV

가

(out-g

assing)

2a

1

(100)

Ag(101)

2b

2

(150)

(105)

(105)

1

2c

2

(125)가

UV

(110)

2d

1

(103)

가

가

2 (150)

(170)

1

(100)

UV

Z

(110)

Ag(101)가

1

(100)

XY

(

)

(160)

2e

(170)

(160)

1

(ga

p)

2f , 1 2 (gap) , (103a) .
 , 2g , (125)가 UV (180) 1 (100) UV
 (110) . , 가
 , 가 , 가
 , 가

, 1 2 , 1
 , 2 , 가 2 , 1 2
 , 2 , 1 2 , 2
 , 가 , 1 2 , 2

3a , 3b 3a .
 3a , 1 (300) (309) (309) (319) ,
 (320) .
 (316) (320) (315) (315)
 (317)
 (316) (317) (325)
 (314) .
 (314) 1 (331) .
 R, G 2 (350) (321) , (321)
 B (322) .
 (322) (326) (322)

2 (335) 2 (350) (305) (305) UV (410) (305)
 1 (300) 2 (350) 1 (300)

(305) (dotting)

(350) UV (410) (322) / 가
 (305)가 1 (300) (322) /

2 (305) UV UV (410) 가 가 2 (305) (305)
 UV UV (410) 가

3b 3a A (305)가 UV (410)

4 TFT가 Ag가 1 (400) (412)
 (405) 2 (450) 1 (405) 2 UV UV (410)
 2 (450) UV (410) (430) UV UV (410)

가 UV (410) 가 UV

(420) (405) 5~30 μ m (405)
 (405) 가 (405)

(405) (405)

5a 5g

5a 1 (400) Ag(401)

5b 2 (450) (405) 가
 (405) 2 1 2

5c 2 (450) UV (410)
 (405) UV (410)가

5d 1 (400) (403) 가 가
 2 (450) (470) 1 (400) XY 2 UV Z ()
 Ag(401)가 (460) 1 (400) () UV (410)

5e (470) (460) 1 (ga)

p) 5f , 1 2 (gap) , (403

a) , 5g , (480) 1 (400) UV
UV (410)

TN(Twisted Nematic), (Vertical Alignment; VA), (In Plane Switching; IPS),
(Ferroelectric Liquid Crystal; FLC), OCB(Optically Compensated Birefringence),
가 .

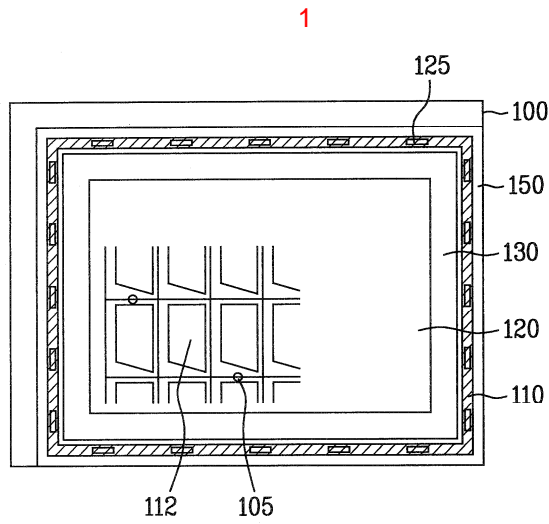
가 .

, 가 가 .
, 가 .
, 가 .
가

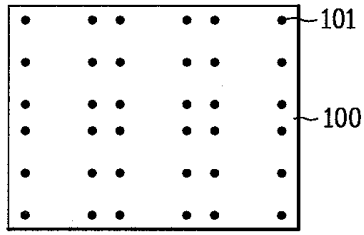
(57)

- 1. 1 2 ,
- 1 , ,
- 2 , ,
- 2 가 ,
- 1 2 .
- 2.
- 1 , .
- 3.
- 2 , .
- 4.
- 1 , 1 2 .
- 5.
- 1 , 1 2

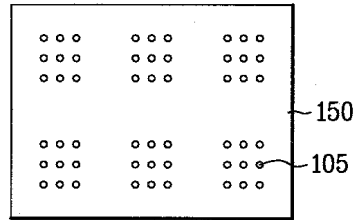
- 6. 1 2 가 1 2
- 7. 6
- 8. 7
- 9. 6 1 2
- 10. 6 1 2
- 11. 6 1 2



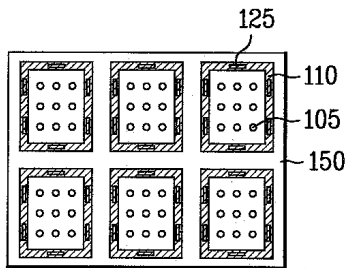
2a



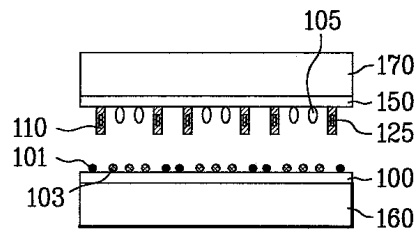
2b



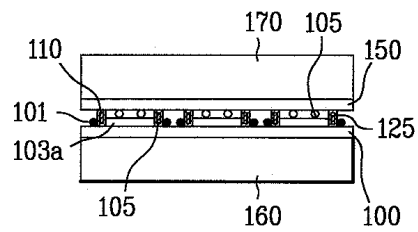
2c



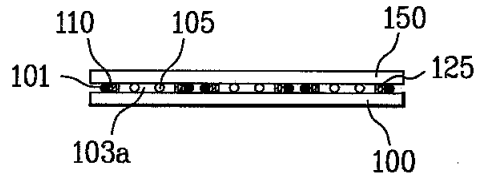
2d



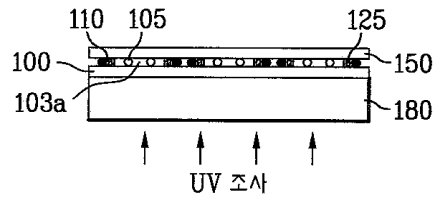
2e



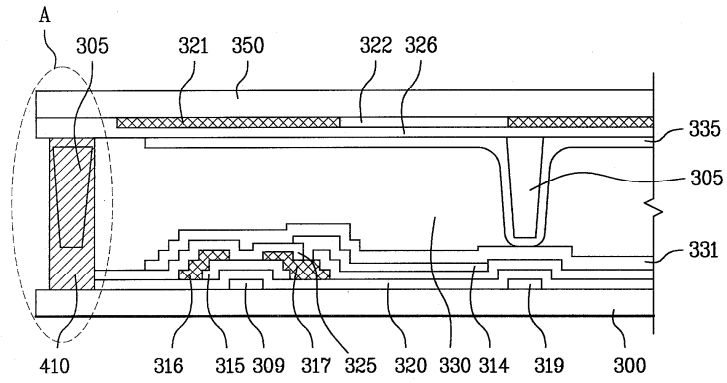
2f



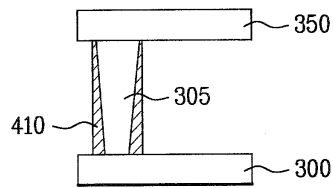
2g



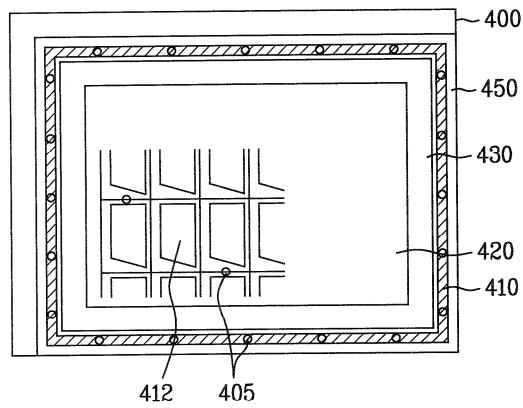
3a



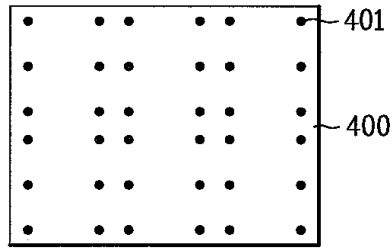
3b



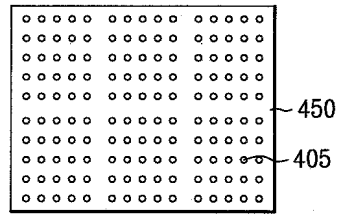
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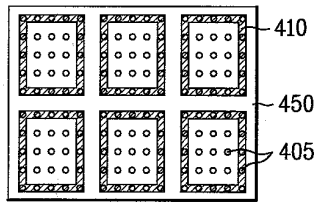
5a



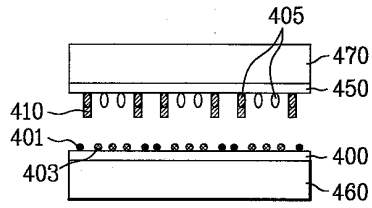
5b



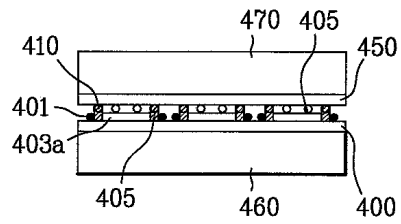
5c



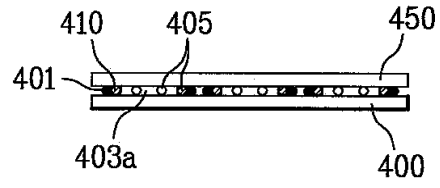
5d



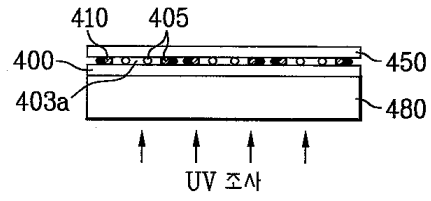
5e



5f



5g



| | | | |
|----------------|----------------------------------|---------|------------|
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| 申请号 | KR1020010079577 | 申请日 | 2001-12-14 |
| [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 | | |
| [标]发明人 | KIM JONGWOO 김종우 | | |
| 发明人 | 김종우 | | |
| IPC分类号 | G02F1/1339 | | |
| CPC分类号 | G02F1/1339 | | |
| 代理人(译) | Gimyongin Simchangseop | | |
| 其他公开文献 | KR100685948B1 | | |
| 外部链接 | Espacenet | | |

摘要(译)

目的：提供一种液晶显示器和制造液晶显示器的方法，以在密封剂部分形成柱状间隔物，并在间隔物上涂覆密封剂以保持盒间隙并防止水分渗透。组成：栅极线和在第一基板（400）上形成数据线，以限定像素区域。柱状衬垫料（405）形成在第二基板（450）的与像素区域对应的部分上。包括柱空间的密封剂（410）形成在第二基板上。在第一和第二基板之间形成液晶层。在第一和第二基板中的至少一个上形成取向膜。

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