

2003-0058724
2003 07 07

•

(54)

3e

1a FFS

1b IPS

2a 2d

3a 3e

4

<
>

201 : 202 : 1

202a : 203 : 1

204 : 205 :

300 : 301 :

302 : 2 303 :

303a : 304 :

, .

1a FFS , 1b IPS

1a 1b (10) (20)

, (30) .

(20)

가 (21) .

(23) (22) , (24) , (20)

(25) .

(10) (20) (1

1) , (12) , (10)

(13) .

, (10) (20) (40) 가 (plastic)

(ball) (column) (10) (20) (10) (20) (30)

(sealing) .

, (10) (20) , (UV)

(dispensing) , UV (screen printing)

, , , ,

가

, .

, 10 ,

, (end seal) (chamber) 가

(one drop filling) .

(UV) , (cell gap) (UV) (seal)

(10) (20) (40) (30) (40) (backlight)

(dark)

(40) (12,24) (40)가

2a 2d

2a (101) (101) (102) (102)

Cr (102) (optical density) 2 3 (102)

(102) 1 (103) (103) (102)

1 (102a)

2b 1 (103) (104)

(104) (104) (104a,104b,104c) (104a,104b,104c) (104a,104b,104c)

2c (105) (105) (106)

(106) 2 (107)

2d 2 (106a) (107) 2 (107) (106)

3 3

ITO

가

가 가 (mould)

가

10 12%

가

90 110

가 3 7,

0 70 °

UV

SUS, , 300 430mesh

3a 3e

3a (201) (201) 1 (202)

1 (202) Cr (optical density) 2 3

1 (202) 1 (203)

1 (202a) (203) 1 (202)

3b 1 (203)

(204)

(204)

(204a,204b,204c) (204a,204b,204c) (202a)

(204a,204b,204c)

3c (205)

3d (300) (301) 2 (

(302) (301) 2 (302) (squeeze) (303) 10 12%

(301) 2 (302) 1 (202)

가 3 7

(300) 20 70 ° 40 °

가 (301) 90 110

4 (300) (304)

(303) (304) SUS, , 300 430mesh

3e (205) (303) (201) (300) (205)
(303)가 UV (303a)가
, ,
, ,
, ,
가 ,
, 가

(57)

1.

,
;
;
;
가 ;
;
,
;

2.

1 ,
가 , 10 12% ,

3.

2 ,
.

4.

2 ,

90 110

5.

1

가 3 7,

20 70

6.

1

UV

7.

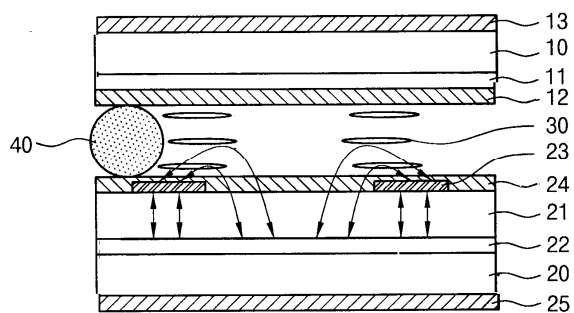
1

8.

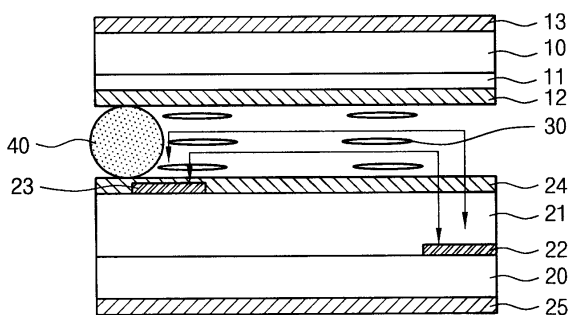
7

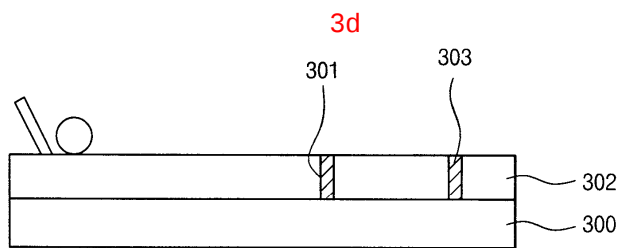
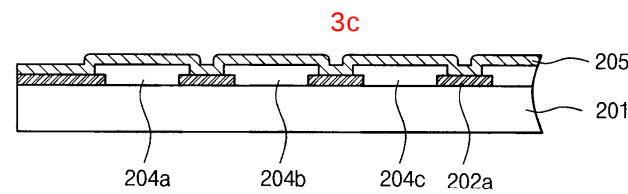
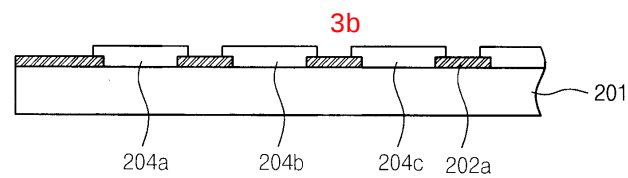
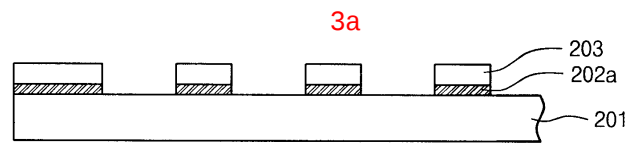
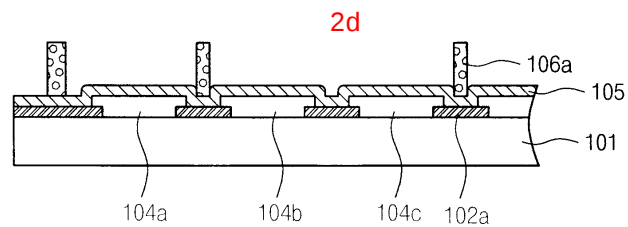
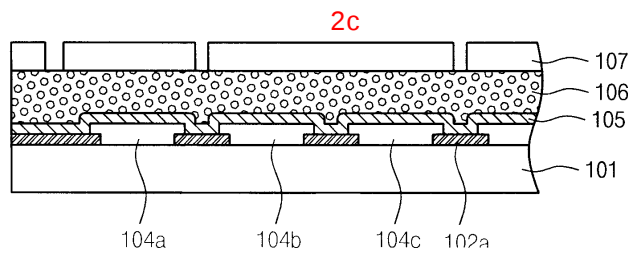
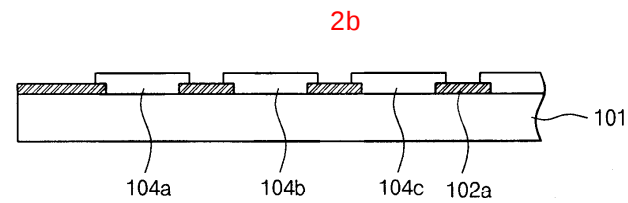
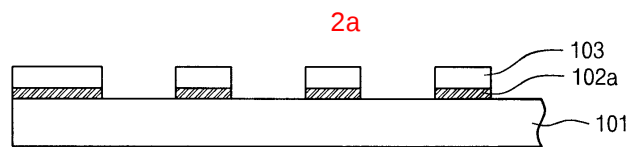
SUS, , 300 430mesh

1a

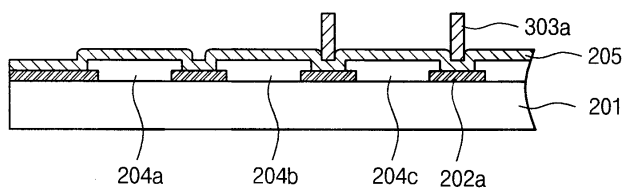


1b

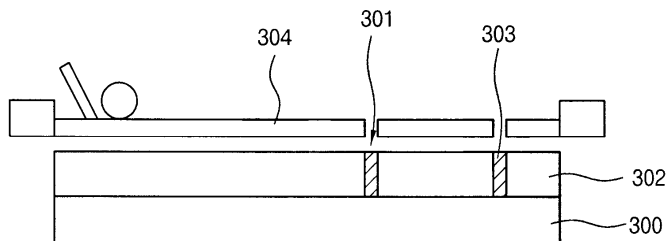




3e



4



专利名称(译)	液晶显示器的滤色器的制造方法		
公开(公告)号	KR1020030058724A	公开(公告)日	2003-07-07
申请号	KR1020010089257	申请日	2001-12-31
[标]申请(专利权)人(译)	HYDIS TECH HYDIS技术有限公司		
申请(专利权)人(译)	하이디스테크놀로지주식회사		
当前申请(专利权)人(译)	하이디스테크놀로지주식회사		
[标]发明人	KIM JINMAHN 김진만		
发明人	김진만		
IPC分类号	G02F1/1335		
其他公开文献	KR100462375B1		
外部链接	Espacenet		

摘要(译)

目的：提供一种制造液晶显示器的滤色器的方法，以简单地形成单元间隙保持物质，从而降低制造成本。组成：多个黑色矩阵（202a）以一定间隔形成在上基板上。在黑色矩阵上形成彩色像素（204a，204b，204c）。在彩色像素上形成钝化层（205）。提供一种模块，其具有保持上基板和下基板的物质空间的单元间隙。在模块中填充光敏树脂层。上基板和模块彼此结合并固化以将光敏树脂附着到钝化层以形成单元间隙保持物质。执行清洁工艺并形成公共电极。

