

(19)  
(12)

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(A)

(51) 。 Int. Cl.<sup>7</sup>  
G02F 1/1339

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(43)

2003-0053164  
2003 06 28

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10-2001-0083218

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106-807

108-504

617 205-1304

(74)

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(54)

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4c

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1 .  
2a 2g .  
3a, 3c, 3d .  
3b 3a A .  
3e TN .  
3f 3e A' .  
4a .  
4b 1 , 4a B .  
4c 2 , 4a B .  
5a 5g .

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300, 400 : 1 305, 405 :  
309 : 313, 326 :  
314 : 315 :  
316 : 317 :  
319 : 320 :  
321, 430 : 322 :  
322a : 323, 418 :  
325 : 330 :  
331 : 1 335 : 2  
349 : 350, 450 : 2  
401 : Ag 403 :  
403a : 410 :  
412 : 416 :  
417 : 420 :  
460 : 470 :  
480 :

TV, , , , , PC  
 가  
 UV  
 UV  
 UV  
 가 , 가  
 UV  
 가  
 1 가 Ag가 1 (100) 1 , TFT가 Vcom  
 2 (150) 1 (112) (105)  
 (105) 2 (150) 2 (150) , UV (105) UV  
 UV (110) 2 (150) , UV UV  
 (120) (105)  
 UV (110) 가 , UV (110)가  
 2a 2g  
 2a 1 (100) Ag(101)  
 2b 2 (150) (105) (105) 1  
 2c 2 UV (110)  
 2d 1 (103) , 가 가 ( )  
 2 (150) (170) 1 (100) XY 1 (100) 2 UV Z (110)  
 Ag(101)가 (160) 1 (100)



300) , ,

3b 3a A , UV (410)  
(305)가

3c 3a (323)  
2 (350) (305) , (305)  
(323) UV (410) (305)

1 (305) 2 (305) UV (410) (323)  
(300) , 2 (350) , UV 1 (410) (300) ,

UV (410) (305) 2

3d 3a, 3c , (323)  
(323) (322a) 2 (350) (305) UV (30)  
(410) (305) (322a) (305) UV (305)  
UV (410) (305) 2 (335)

0) , UV (410) , 1 (300) , 2 (350)  
1 (300)

(320) (313) (314) , (313)  
(309) (316) (317) , (325)  
(313) (314) , (314)

3e , 1 (300) (349) ,  
(320) (309) (309)

(320) (315) (315)  
(316) (317)

(316) (317) (325)  
(314)

1 (331)

R, G 2 (350) (321) , (321)  
B (322)

(322) (326)

2 (350) (305) (305) UV , (410)  
(326) (305)

(305) 2 (335) (305) (326) (305)  
(326) UV (335) (410) , UV  
1 (300) 2 (350) 1 (300)

TN (Vertical Alignment; VA), OCB(Optically Compensated Birefringence), (Ferroelectric Liquid Crystal; FLC), (322)  
 3a, 3c, 3d  
 3f 3e A' UV (410) (305)가 UV (410)  
 (305)  
 4a 4b 1 4  
 a B , 4c 2 , 4a B  
 4a , TFT가 Ag가 1 (400)  
 2 (450) 1 (412) UV (4  
 10) 2 (405) (405) UV (405)  
 2 (450) , UV UV (405)  
 2 UV (450) (410) (430) ,  
 가 UV (410) 가 UV  
 (420) (405)  
 (405) UV (410) 5~30 $\mu$ m (405)  
 4b 1 , 4a B UV (410) UV  
 (405) (405) UV  
 (410)  
 4c 2 , 4a B UV (410)  
 (405) (420)  
 (410) (405) UV  
 (405)가 UV (410) 1 2 가  
 (405) UV (410)  
 5a 5g  
 5a 1 (400) Ag(401)  
 5b 2 (450) (405)  
 (405) 2 1 (405)  
 UV  
 5c 2 (450) UV (410)  
 5d 1 (400) (403) 가 가  
 2 (450) 2 Z ( )  
 Ag(401)가 (470) 1 (400) XY 1 (400) UV (410)  
 (460)  
 5e (470) (460) 1 (ga

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

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

가 .

, UV UV

, UV UV

가

(57)

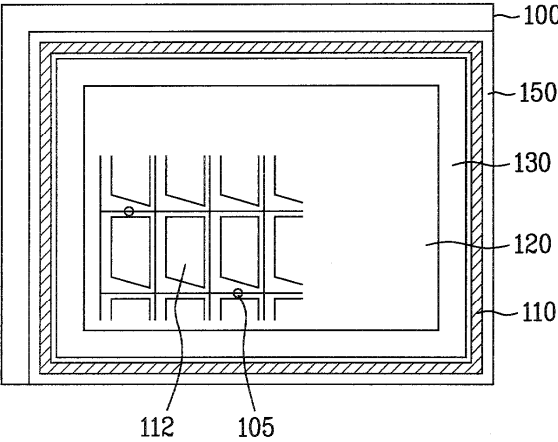
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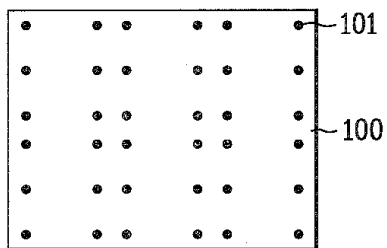
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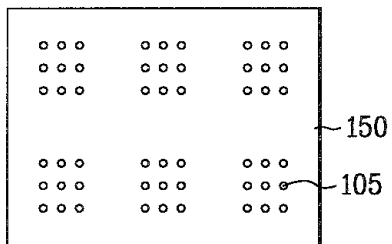




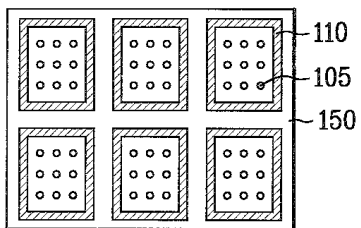
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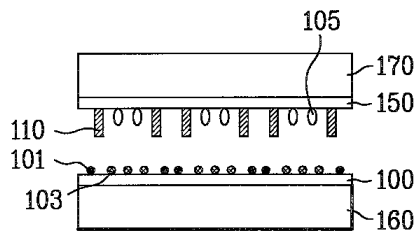
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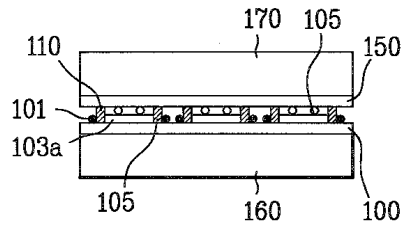
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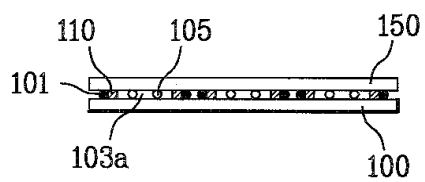
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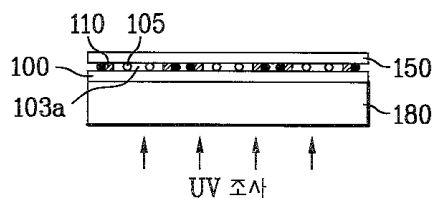
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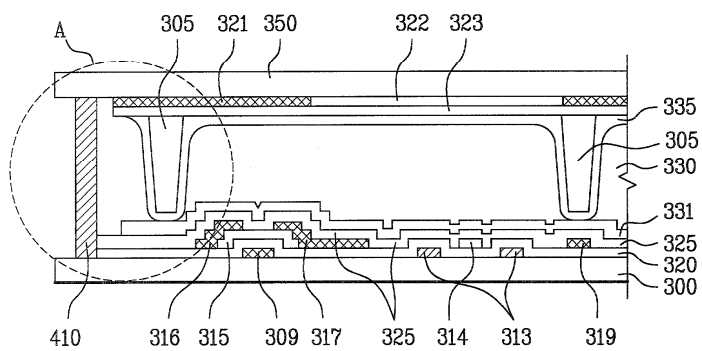
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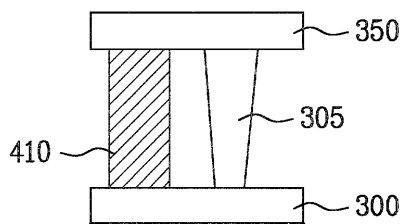
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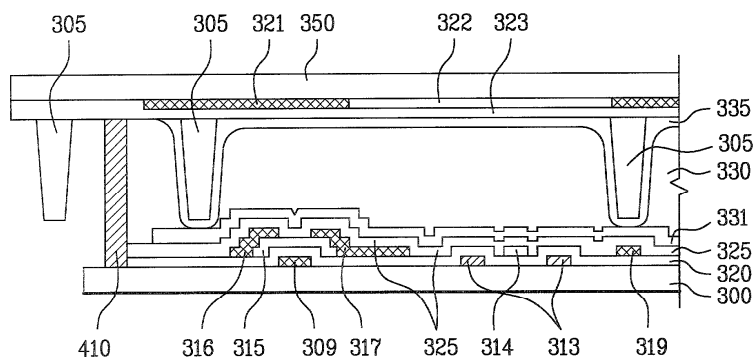
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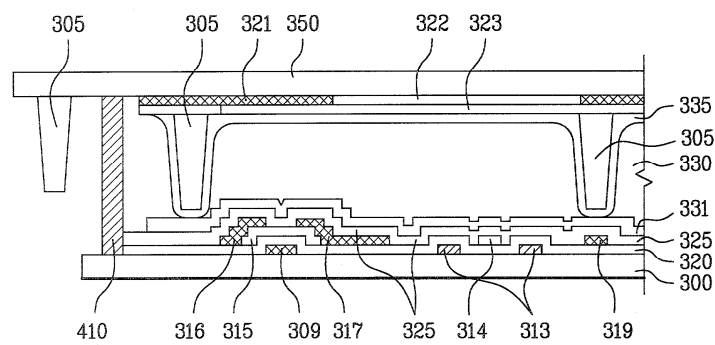
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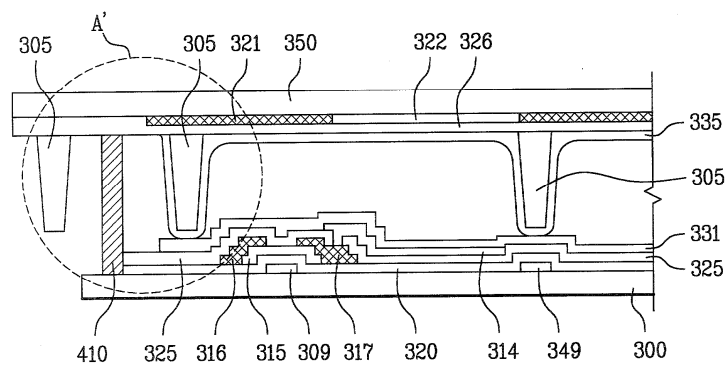
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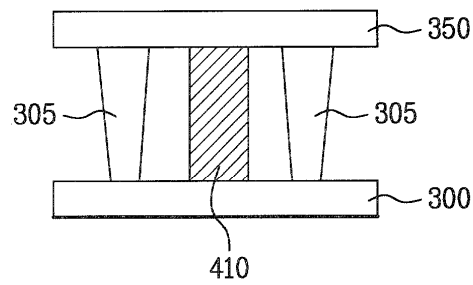
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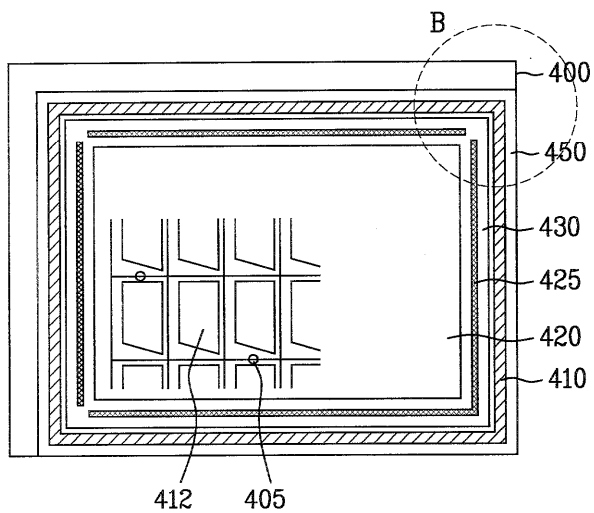
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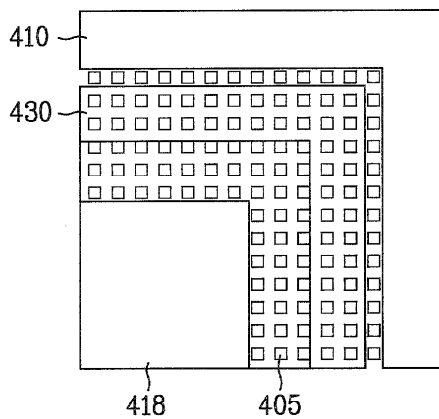
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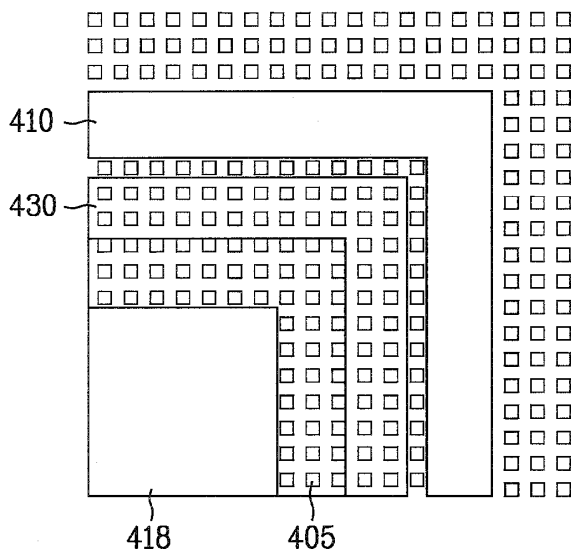
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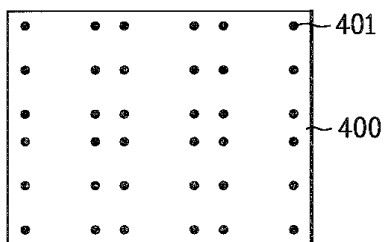
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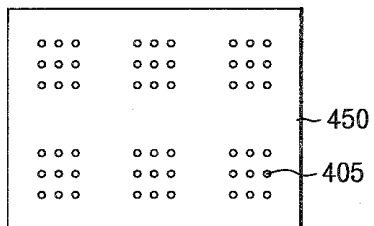
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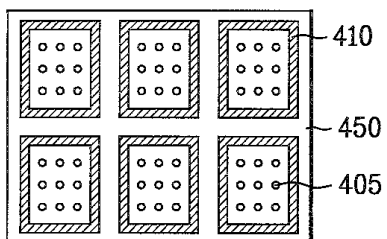
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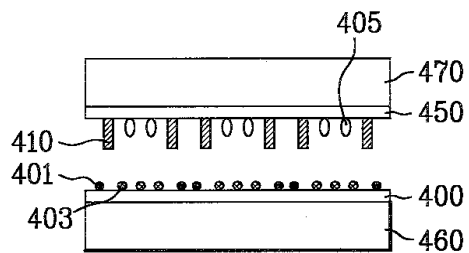
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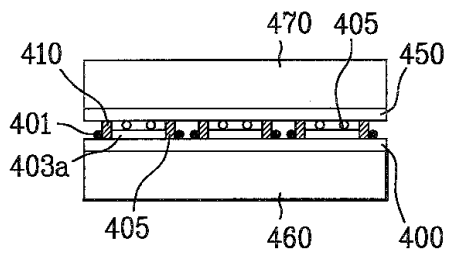
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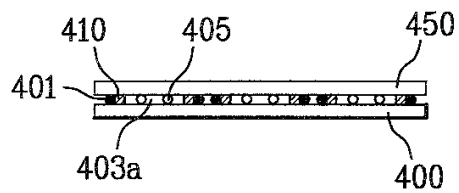
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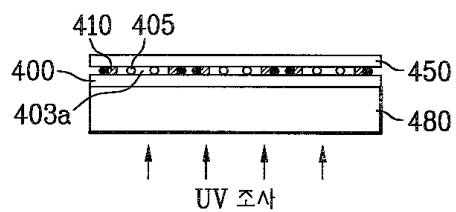
5e



5f



5g



专利名称(译)	液晶显示元件及其制造方法		
公开(公告)号	<a href="#">KR1020030053164A</a>	公开(公告)日	2003-06-28
申请号	KR1020010083218	申请日	2001-12-22
[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	KIM JONGWOO 김종우 KANG SUNGCHUN 강성천 HA YOUNGHOON 하영훈		
发明人	김종우 강성천 하영훈		
IPC分类号	G02F1/1339		
CPC分类号	G02F2001/13415 G02F1/1339		
代理人(译)	金勇 新昌		
其他公开文献	KR100685949B1		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

用途：提供液晶显示器和制造液晶显示器的方法，以在密封剂周围形成柱状衬垫料，以获得均匀的间隙。

