

3a 3c

3d TN

3e

3f TN

4a

4b 1

4c 2

4d 3

4e

4f

5a 5g

*

300, 400 : 1 305, 405 :

309 : 313, 326 :

314 : 315 :

316 : 317 :

319 : 320, 481 :

321, 430 : 322 :

322a : 323, 418 :

325, 482 : 330 :

331 : 1 335, 414 : 2

349 : 350, 450 : 2

375 : 401 : Ag

403 : 403a :

410 : 412 :

415 : 416 :

417 : 420 :

460 : 470 :

480 : 485 :

(319) (316) (317) (314)

(314) (325) (320)

1 (325) (375) (325)

(331)

) 2 (350) (321) (322) (321)

(322) (323) Cr, CrO_x, (323) (black resin) (323)

2 (350) (305) (323)

(425) (305) (425)

2 (335) , UV (410)

1 (300) 2 (350) 1 (300)

3b 3a (323) UV

(410) 2 (350) (305)

(323) (425) (305)

(425) 2 (335) , UV (410)

1 (300) 2 (350) 1 (300)

3c 3a, 3b (323) (323)

(323) (322a) 2 (350) (305)

(305) (322a) (425) 2 (335) , UV (410)

1 (300) 2 (350) 1 (300)

(313) (314)

(320) (316) (317) (313)

(309) (314) (325) (325)

(313) (314)

(313) (314) 가

(320) (325) (325) (325)

(375) (314) (314) (325)

(314)

3d TN

3d 1 (300) (309) (309) (349)

(320)

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

(317)

(316) (317) (325)

(314) (325)

(314) (375) (320) (325) (314) (375)

(325)

(314) 1 (331)

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

B (322)

(322) (326)

2 (350) (305) (326)

(425) (305) (425)

2 (335) , UV

1 (300) 2 (350) 1 (300)

TN (Vertical Alignment; VA), OCB(Optically Controlled Birefringence), (Ferr
oelectric Liquid Crystal; FLC), (322)

3a, 3b, 3c

3e

3e (425) UV UV (410) (410) (375) (413)

(425) UV UV (375) 3e 3b, 3c, 3d (320), (325)

3f TN

3f 3e (425) UV UV (410) (410) (375) (41)

3) (425) UV UV (375) (320), (325)

4a , 4b 1

4c 2

4d 3

4e

4f

4a , TFT가 Ag가 1 (400)

2 (450) 1 (412) (405)

(405) 2

(450) UV UV (410) 2 UV (450) (410) (430)

가 UV (410) 가 UV

(420) (405) (405) 5~30 μ m (405)

가

, B₁ 2 , B₂ 1 , B₃ 가 3

4b 1 B (416) (417) (416) (414) 2 (414) (410)
 , , , , 가 ,
 , (405) (416) , ,
 (416) , 가 ,
 (410) (420) 가 (416)가 UV (410) , UV
 , (416) (417)
 , (416) (410) (416) (410)

4c 2 B (416) (417) (415) (416) (417) (430)
 (415) 가 (418) (414) , , 가 , 가 4
 2 , (416) (415) (417)
 , (415) (410) , ,

4d 3 B (416) (417) (415) (416) (417) (430)
 (418) (414) , , 가 , 가 4c
 (416) (415) (405)
 , (416) (410) , ,

4e 4a C (485) UV (481) (410) (482) 가 가 (425) 가
 (485) (482) , , 가

4f 4e D-D' 가 , (481) (482) 490

5a 5g

5a 1 (400) Ag(401)

5b 2 (450) (405), (416) (415)
 (416) (405) 2 1

5c 2 (450) UV (410)

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

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

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

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

가

가

(57)

1. 1. 2 ,
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11.

10 , 1 2

12.

10 ,

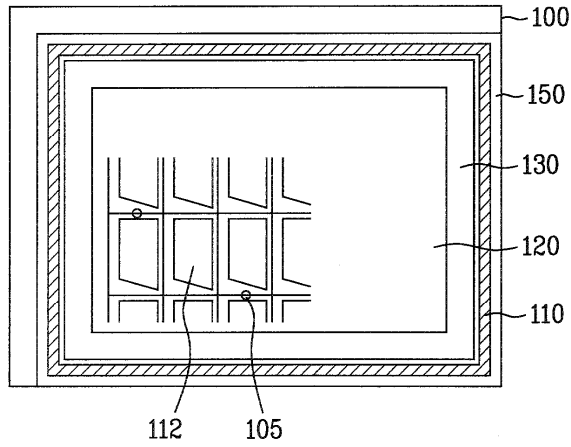
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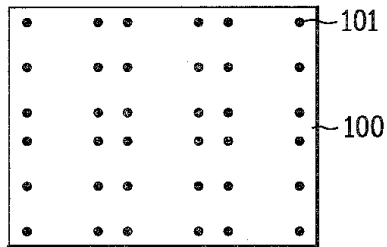
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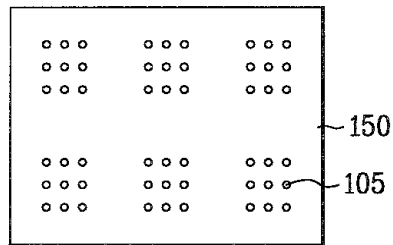
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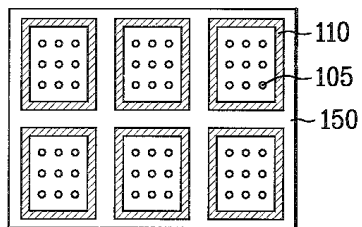
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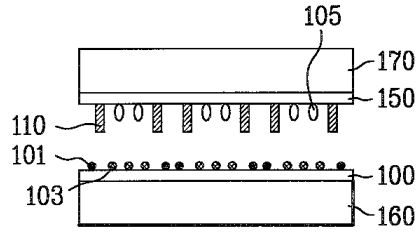
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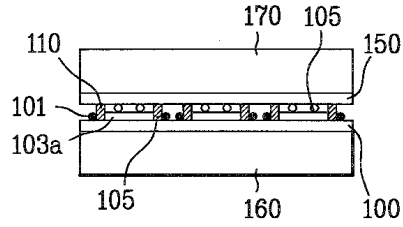
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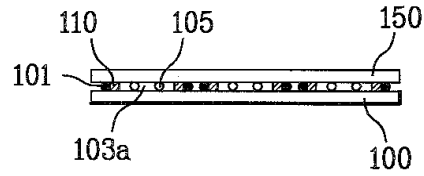
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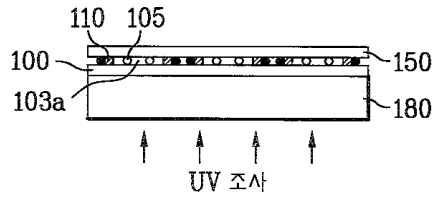
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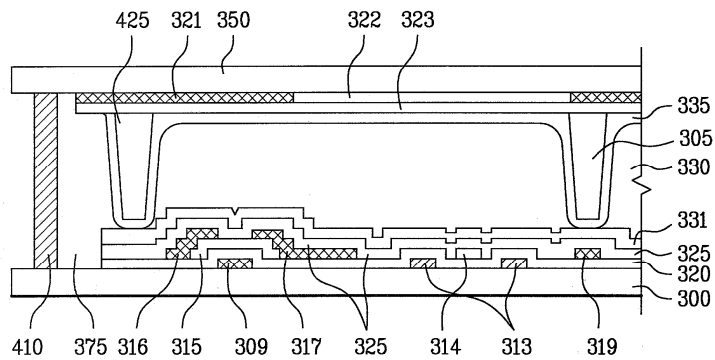
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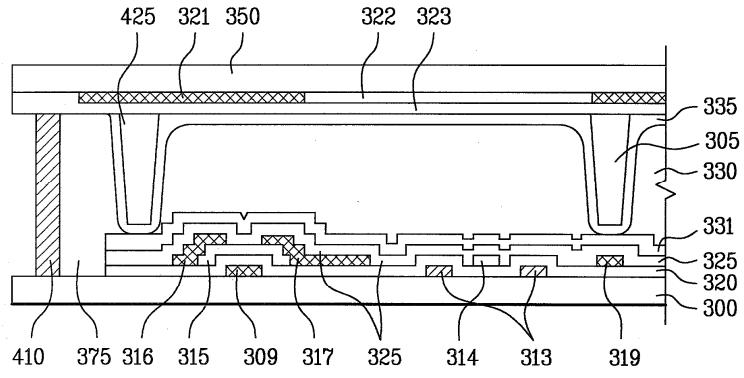
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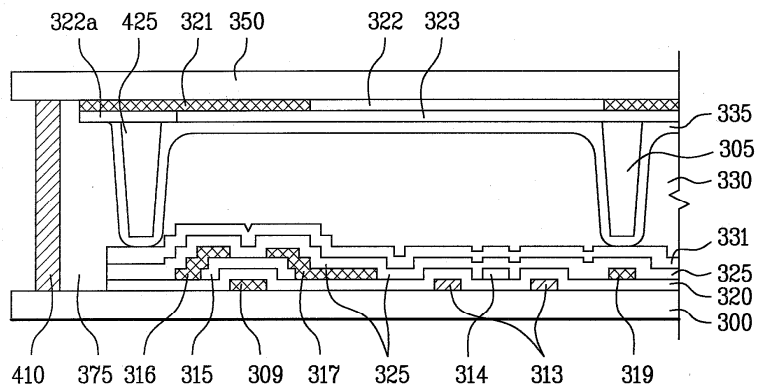
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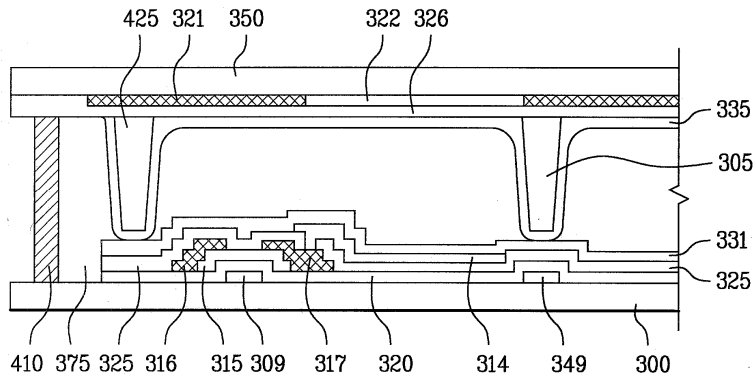
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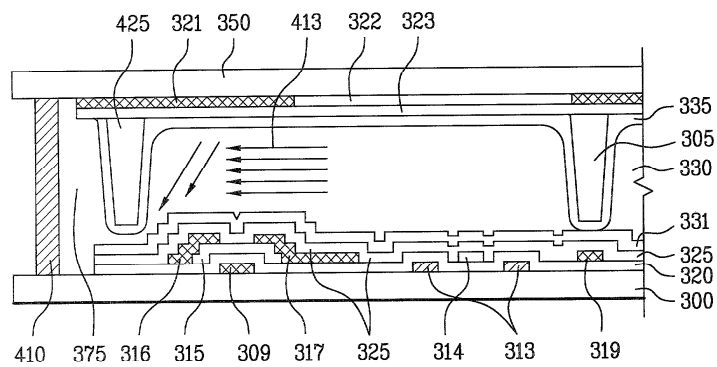
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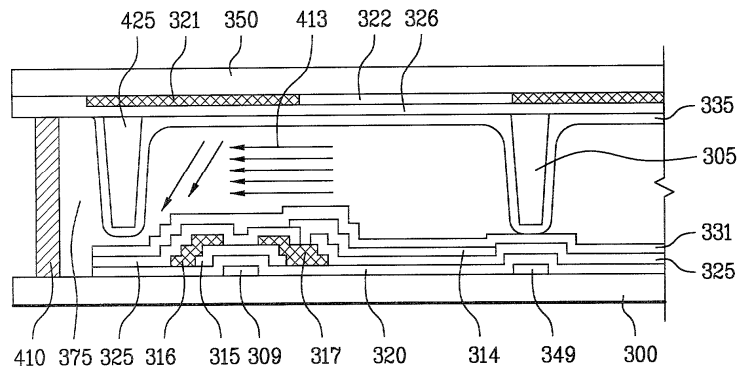
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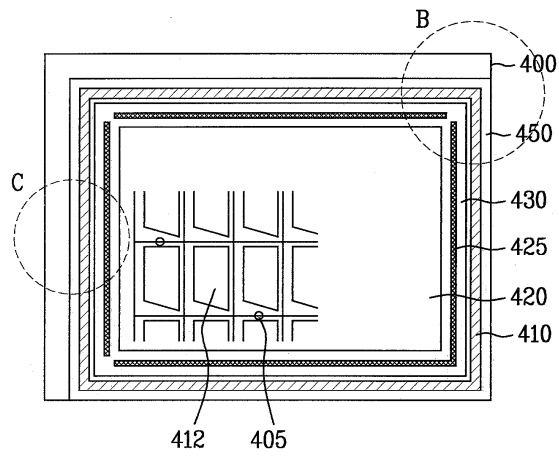
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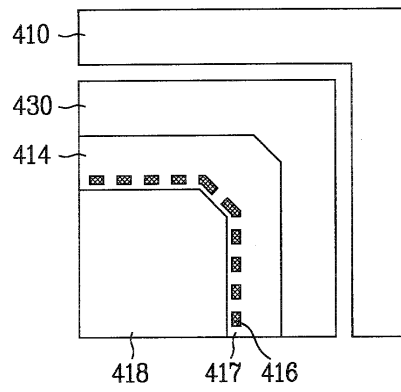
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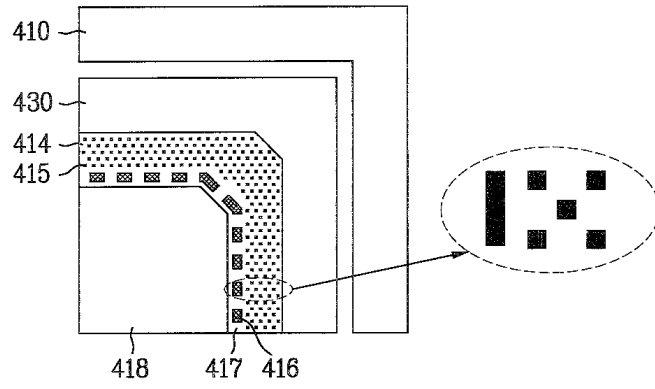
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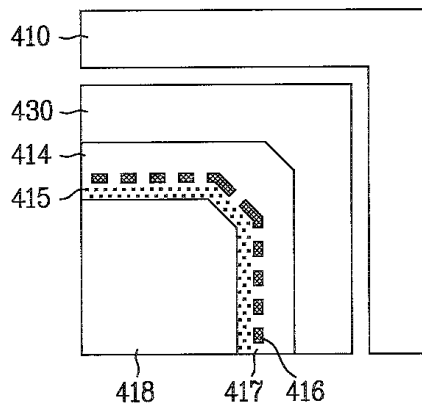
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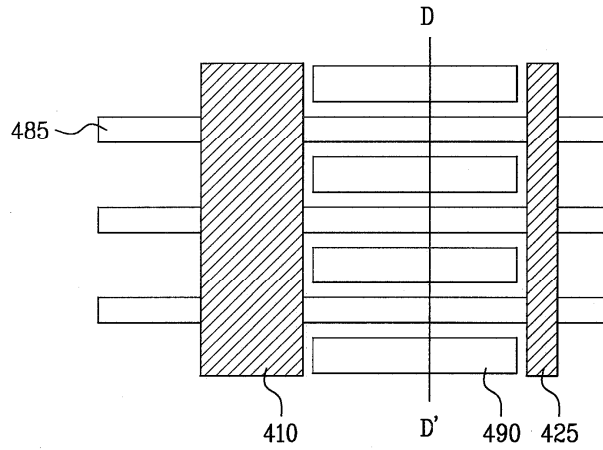
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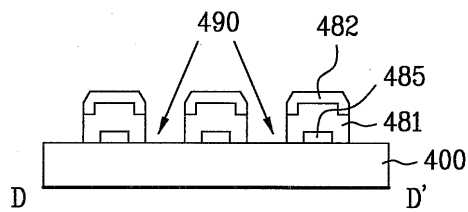
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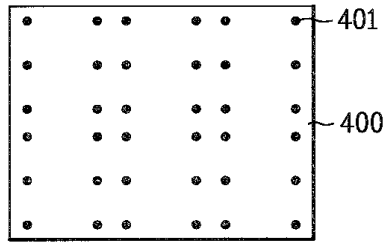
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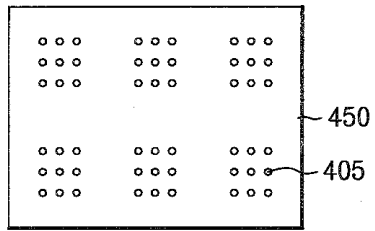
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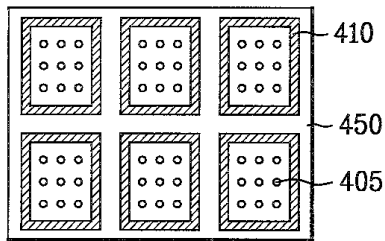
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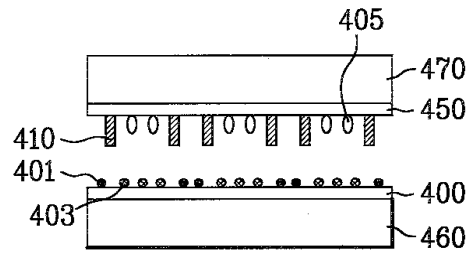
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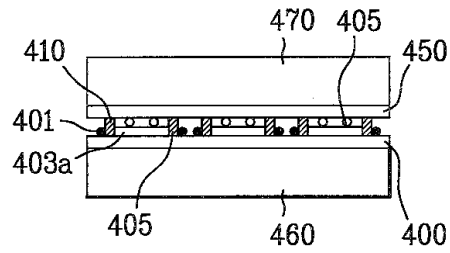
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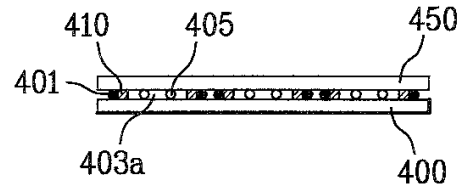
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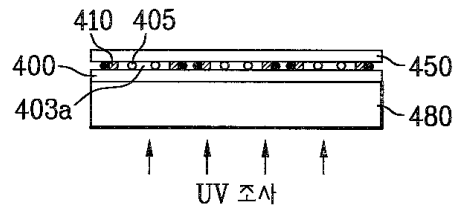
5e



5f



5g



专利名称(译)	液晶显示元件及其制造方法		
公开(公告)号	KR1020030052711A	公开(公告)日	2003-06-27
申请号	KR1020010082739	申请日	2001-12-21
[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		
发明人	김종우		
IPC分类号	G02F1/1339 G02F1/1333 G02F1/1341		
CPC分类号	G02F1/13394 G02F2001/133388 G02F1/1341		
代理人(译)	金勇 新昌		
其他公开文献	KR100652045B1		
外部链接	Espacenet		

摘要(译)

用途：提供液晶显示器和制造液晶显示器的方法，以形成缓冲区，其中液晶在液晶显示器的上基板和下基板之间移动，以控制液晶的流动。

