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(51) 。 Int. Cl. ⁷ G02F 1/13	(11) (43)	10-2004-0042279 2004 05 20
(21)	10-2002-0070489	
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2a 2b

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5a 5c

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6a 6g

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1, (100) (113), (114) (115) (114) (115) (102) (101) 가 (113) (114) (115) (113) (113) (113) (101) 가 가 가 (113) (101) 가 가 (113) (102) (101) (101) (113) (102) (spacer) (cell-gap), (seal pattern, 116) 가 (101) (102) (101) (102) (101) (102) (101) (102) (116) (116) (113) (206), (216A 216C) (200) (sealant, 203) (squeegee, 208)가 (200) (216A 216C) (213A 213C) (213A 213C) 가 (204A 204C) (200) (216A 216C) (200) (203), (208) (216A 216C) (206) (leveling) (203), (208) (216A 216C) (206) (203), (208) (216A 216C) (206) (203) (206) (200) (200) (rubbing) (206) (200) (200) () ()

(400) (403A 403D) 가 , (400)
 (401) (416A 416D) , (403A 403D)
 (403A 403D) 가 (401) (402A 402D)
 (403A 403D) (400) .

(403A 403D) (405A 405D) (401)
 (402A 402D) (400) .

(401) (402A 402D) 4 M × N
 (405A 405D) M × N (402A 402D)
 (400) .

(405A 405D) (402A 402D) M × N (402A 402D)
 (402A 402D) (400) .

5a 5c 1

5a 12 (503A 503L) (500) 6
 (505A 505L) (500) 12 (503A 503L)

5b 3 × 4 (502A 502L) (501) (500)

5c (503A 503L)
 (501) (502A 502L) (516A 516L)
 (516A 516C) (503A 503L) (500) (501)
 (502A 502L) (516A 516L) (501)
)

1 12 (503A 503L)
 (500) 6 (505A 505L) (501) 3
 × 4 (502A 502L) (516A 516C) .

(505A 505L) (503A 503L) (500)
 (502A 502L) (501) 가 (501)

6a 6g 2

6a 3 × 4 (602A 602L) (601)
 1 3 (600A 600C) 1 3 (600A 600C)
 12 (605A 605L) 2 .

(605A 605L) 12 (603A 603L)

6b 3 × 4 (602A 602L) (601) 1 (600A)

6c 1 (600A) 2 (605A 605D)
 (603A 603D) 3 × 4 (602A 602L) , (

602A 602D) (616A 616D) (602A
 602D) (616A 616D) (603A 603D)
 (601) (602A 602L) 1 (600A)
 (616A 616D)
 , 6d (602A 602D) (616A 616D)
 (601) 2 (600B)
 , 6e 2 (600B) 2 (605E 605H)
 (603E 603H) 3 ×4 (602A 602L) , (602E
 602E 602H) (616E 616H) (603E 603H)
 602H) (601) (602A 602L) 2 (600B)
 (616E 616H)
 , 6f (602A 602H) (616
 A 616H) (601) 3 (600C)
 , 6g 3 (600C) 2 (605I 605L)
 (603I 603L) 3 ×4 (602A 602L) , (602I
 602L) (616I 616L) (603I 603L)
) (616I 616L) 3 (600C)
 (601) (602A 602L)
 (616I 616L)
 2 12 (603A 603L)
 (605A 605L) 1 3 (600A 600C)
 2 (601) 3 ×4 (602A 602L)
 (616A 616L)
 1 (605A 605L) (603A 603L)
 3 (600A 600C) (601) 가 1
 (601) (602A 602L)
 , ,
 , 1 (501) 3 ×4 (602A 602L)
 (616A 616L) 2 (601)
 3 ×4 (602A 602L) (616A 616L)
 , 1, 2 (616A 616L)
 (616A 616L)
 ,
 , 1 1
 , 1 1 2
 7a 7f

, 7a , (701) 1 2 ×3 (702A 702F) 2
 1 ×4 (702G 702J) . (701) 1
 2 ×3 (702A 702F) 2 1 ×4 (702G 7
 02J) , 1 (701)
 2 1 ×4 (702G 702J) (701)
 .

, 7b , 1 2 ×3 (702A 702F) 2 1
 ×4 (702G 702J) (701) 1 (700
 A) 2 (700B) , 2 ×3 (702A 702F) 1 (700
 A) (705A 705F) 3 1 ×4 (702G 702J)
 2 (700B) (705G 705J) 2 .
 (705A 705J) 10 (703A 703J)
 .

, 7c 1 2 ×3 (702A 702F) 2
 1 ×4 (702G 702J) (701) 1 (700A) .

, 7d 1 (700A) 3 (705A 705F)
 (703A 703F) 2 ×3 (702A 702F) (716A 716F)
 . 2 ×3 (702A 702F) (716A 716F)
 (703A 703F) , (701) (702A 702J)
 , 1 (700A) (716A 716F) .

, 7e 2 ×3 (702A 702F) (716A 716F)
 (701) 2 (700B) .

, 7f 2 (700B) 2 (705G 705J)
 (703G 703J) 1 ×4 (702G 702J) (716G 716J)
 . (716G 716J) (702A 702J) (703G 703J) ,
 (701) , 2 (700B) .
 (716G 716J) .

가 15 가 8

가 가 가 가

1, 2 2 (dropping) 1 (dispensing)

가 가 가

가 가

가 가

(容器)

가

(Ag dot)

8 가 .

8 (803) , (804) (805) (801) (802) (801)

(802) (801) (802) 가 ,

(801)

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(801) 가 가 ,

(802) (801) (806) ,

(802) (801) (806) 가 (807)

(801) (802) (807) 가 (808) (

807) (806) 가 (806) (808)

(808)

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(808) 가

(808) 가

9 ,

9 1 2 3 $\times 2$ (900A 900C) (902A 902D) 1 3 (901) (900A 900C)

(905A 905L) 4

(905A 905L) (903A 903L)

2 $\times 2$ (901) M $\times$ N (902A 902D) (902A 902M $\times$ N) ,

(905A 905L) (903A 903L) 가

(905A 905L) (903A 903L)

1 (900A) (905A 905D) (903A 903D) 가

2 (900B) (905E 905H) (903E 903H)

3 (900C) (905I 905L) (903I 903L)

, 2 ×2 (902A 902D) (901) 1 (900A) , 1
 (900A) 2 (905A 905D) (903A 903D) 2
 ×2 (902A 902D) (916A 916D) (9
 16A 916D) (903A 903D) , (901)
 (902A 902D) , 1 (900A) (916A
 916D) .

, (902A 902D) (916A 916D) (901) 2 ((903E
 900B) , 2 (900B) 2 (905E 905H)
 903H) 2 ×2 (902A 902D) (917A 917D) .

, (902A 902D) (917A 917D) (901) 3 (900C)
 , 3 (900C) 2 (905I 905L) (903I 903L)
 2 ×2 (902A 902D) (918A 918D) , (918
 A 918D) (902A 902D) , 가

가

, , - , , - (clean room) .

가

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(57)

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1. $M \times N$

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[illegible]

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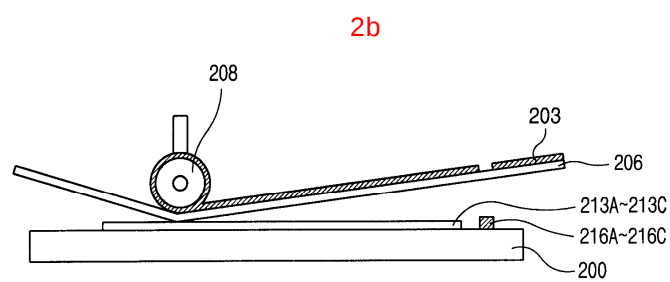
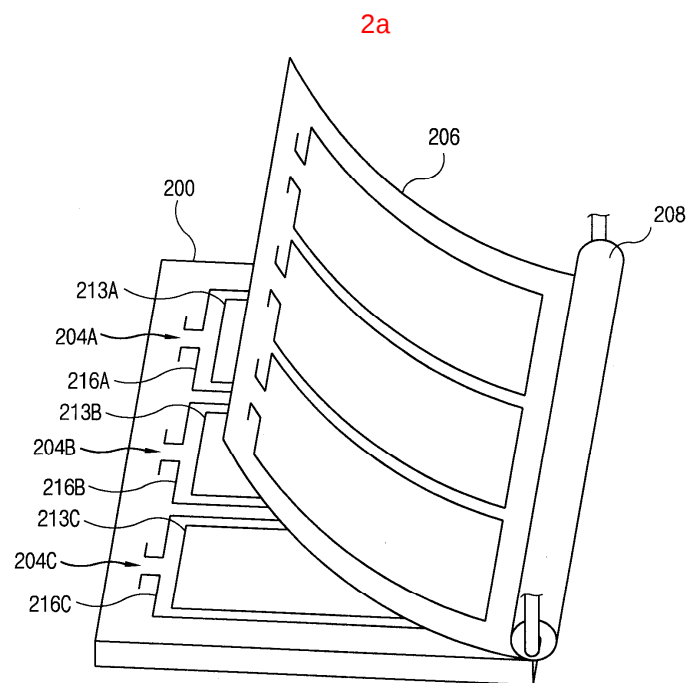
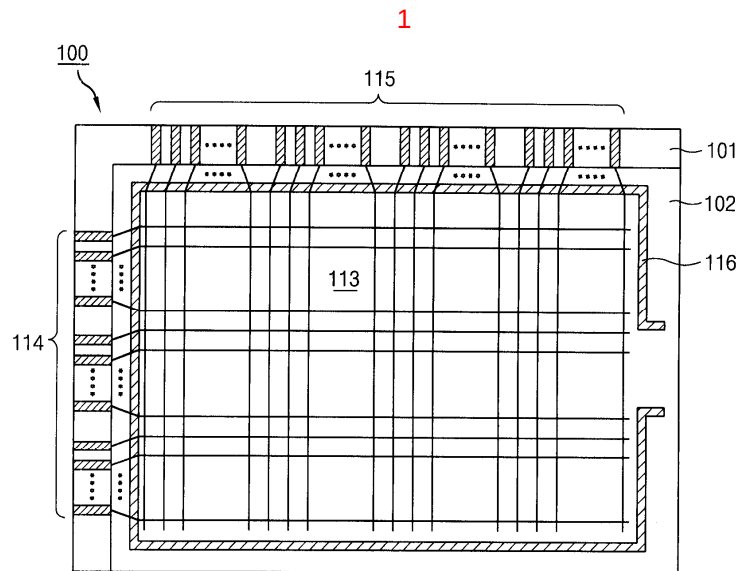
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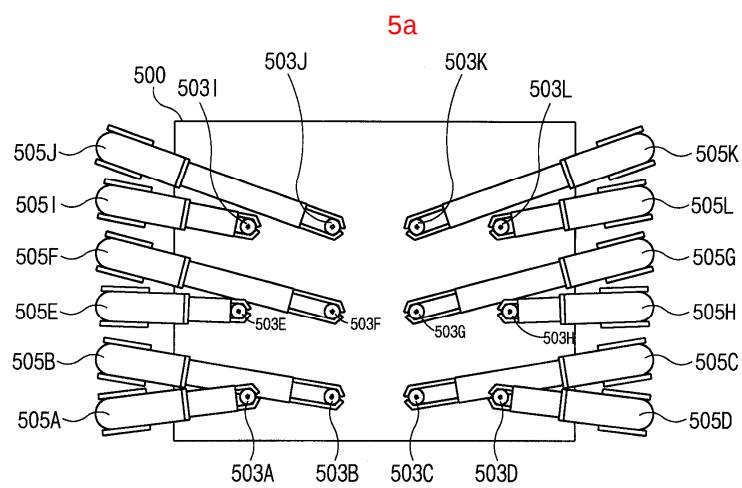
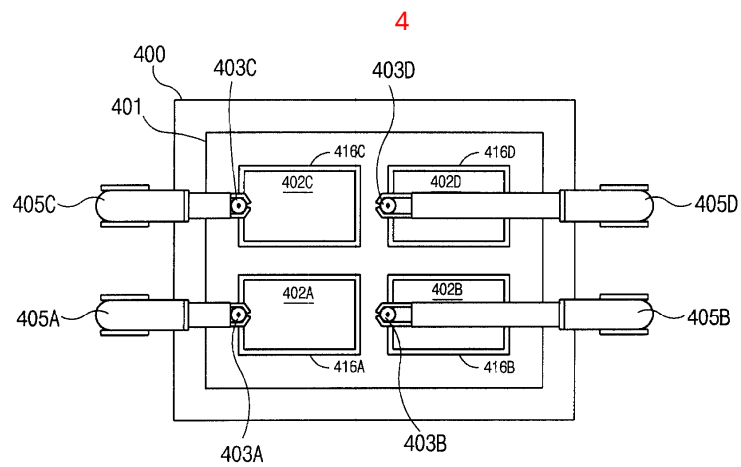
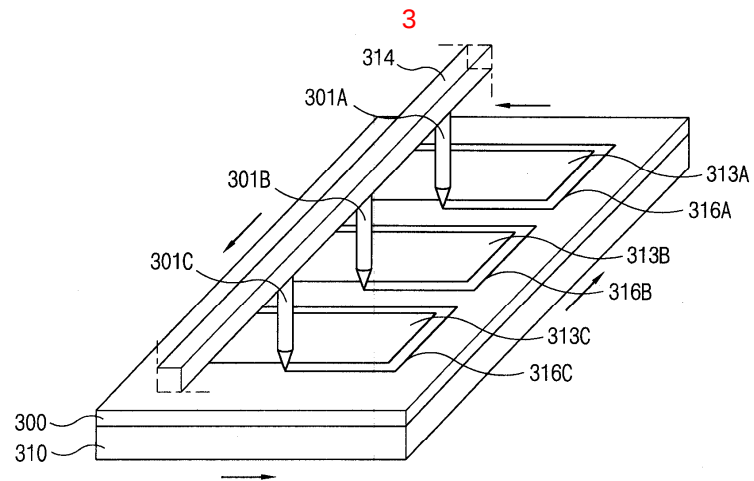
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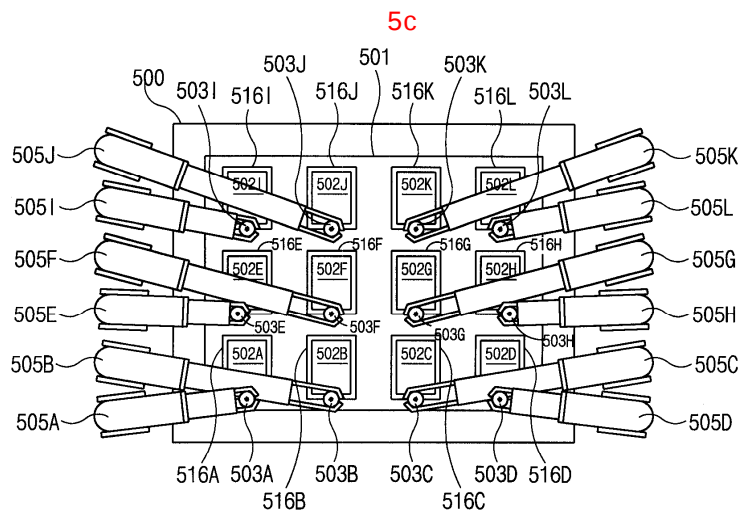
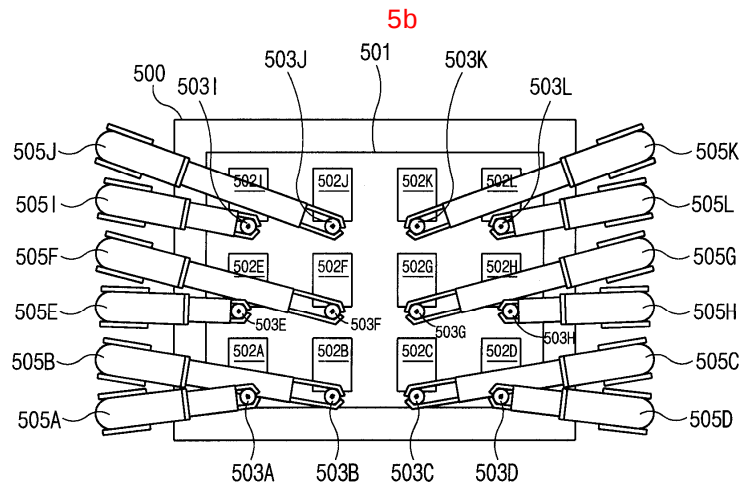
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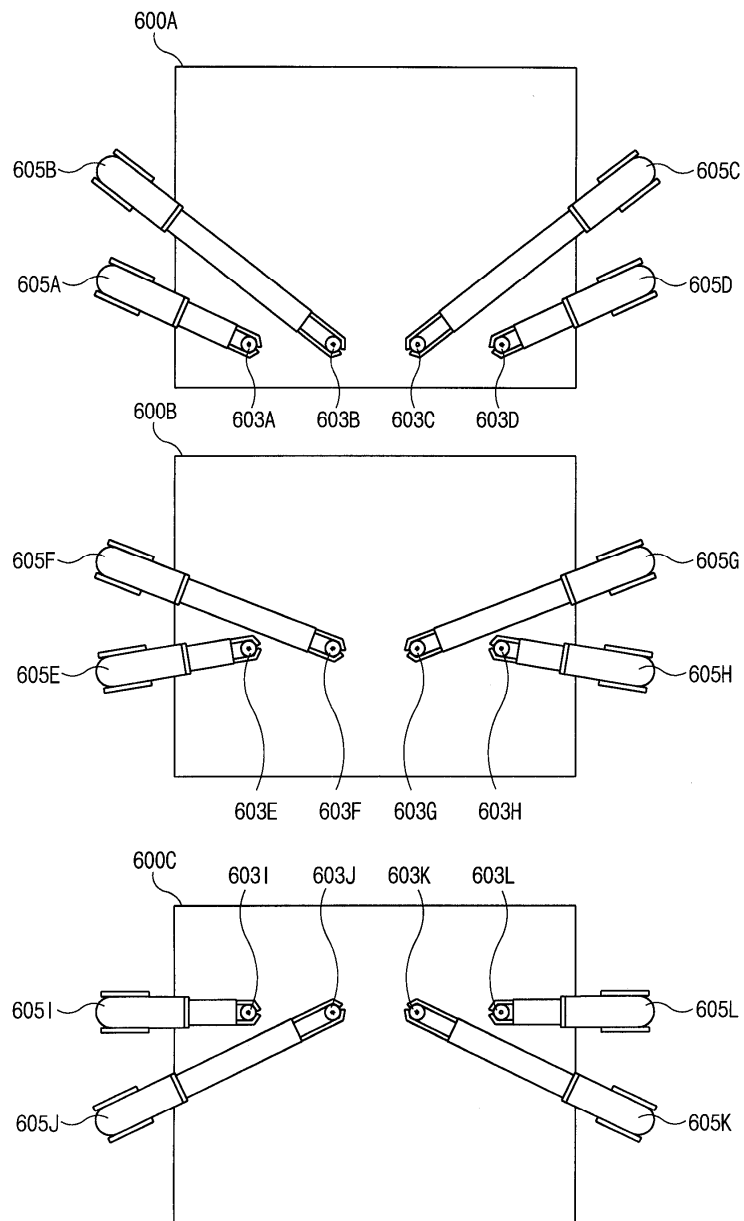
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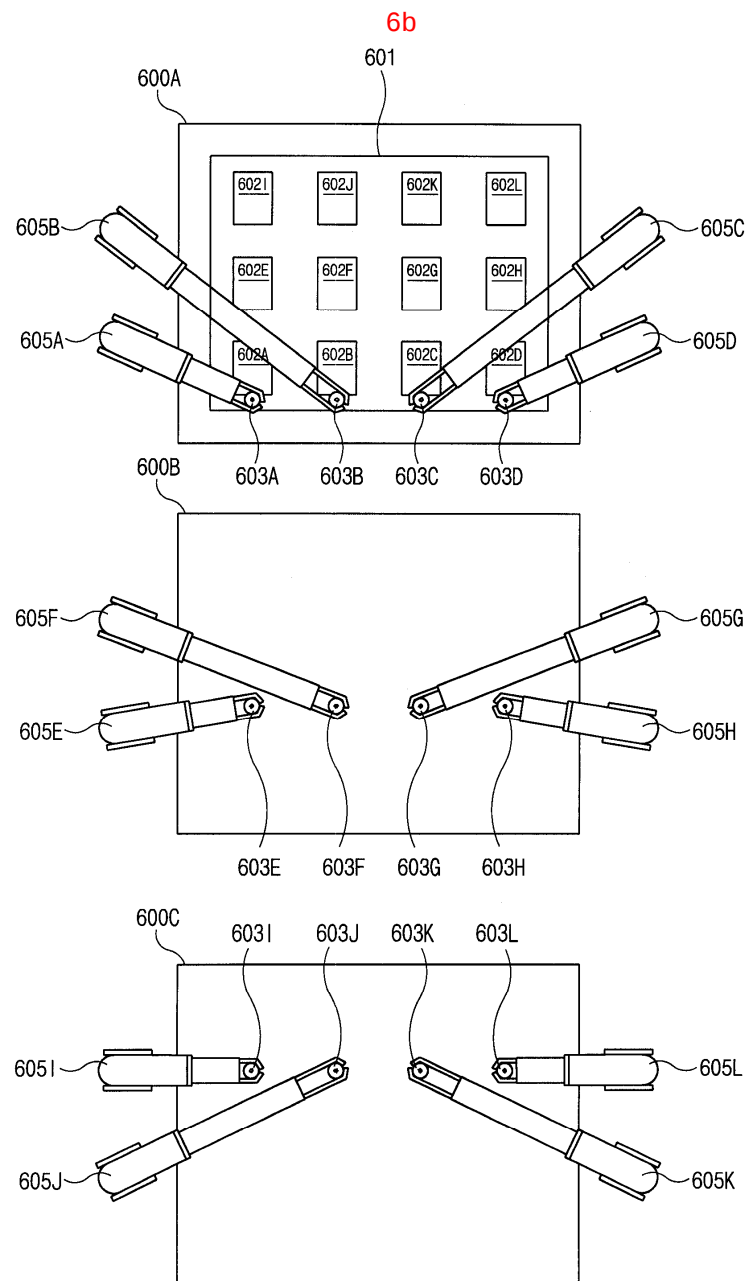


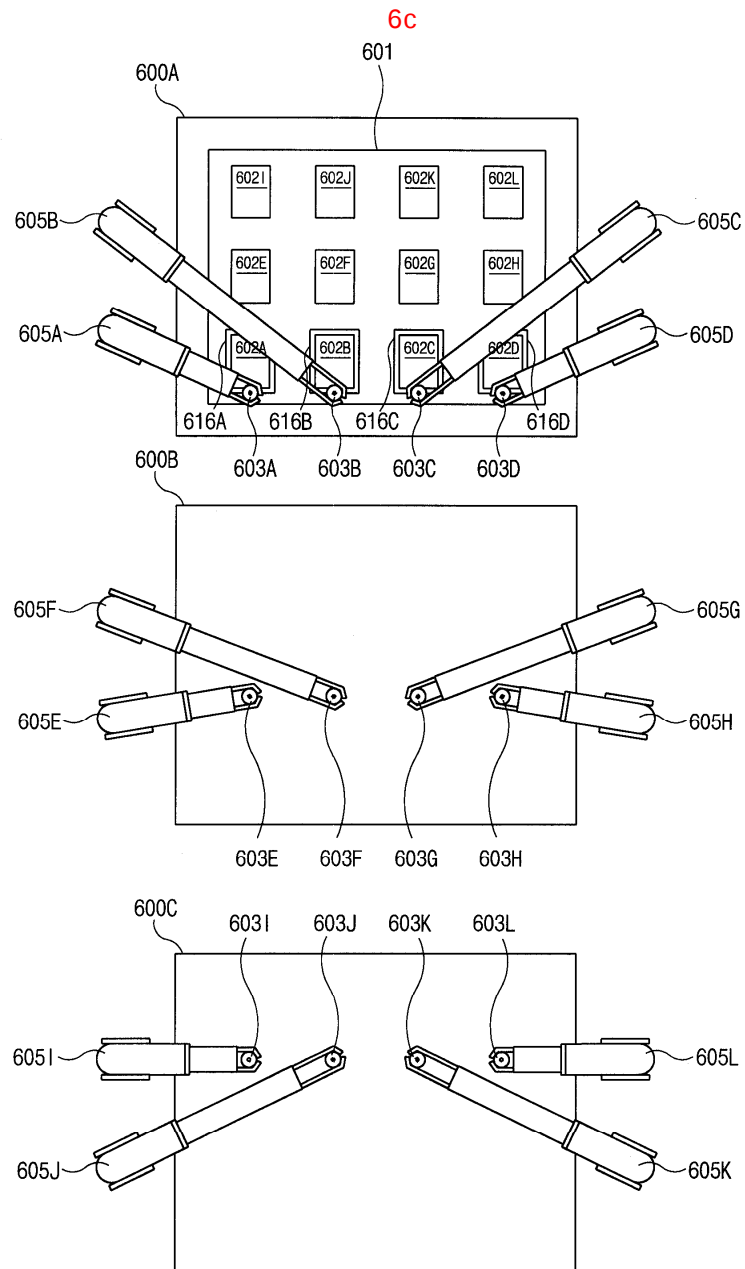




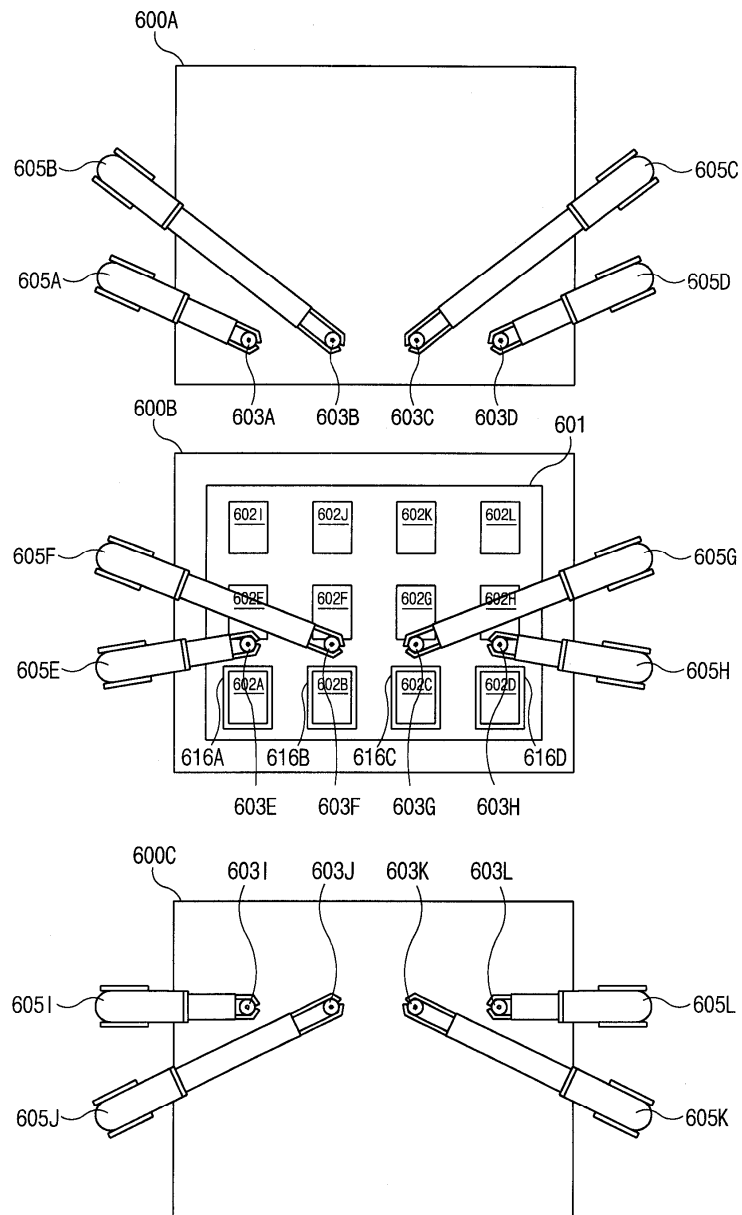
6a



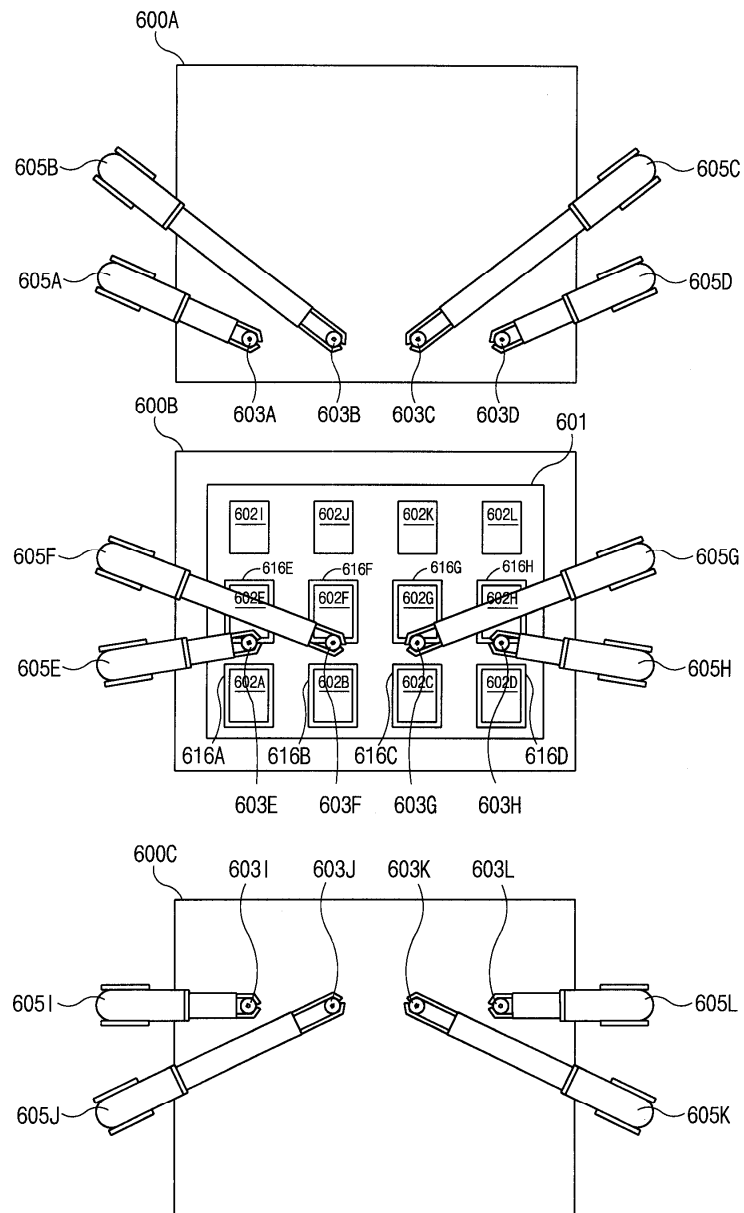




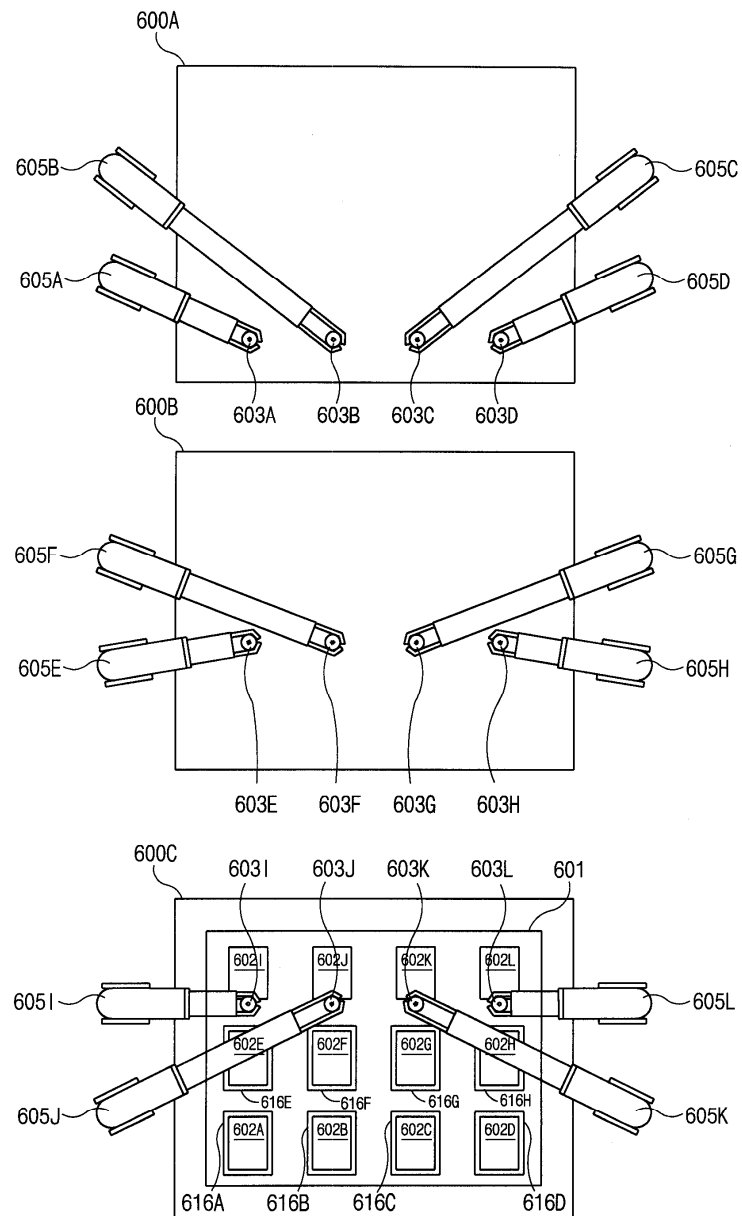
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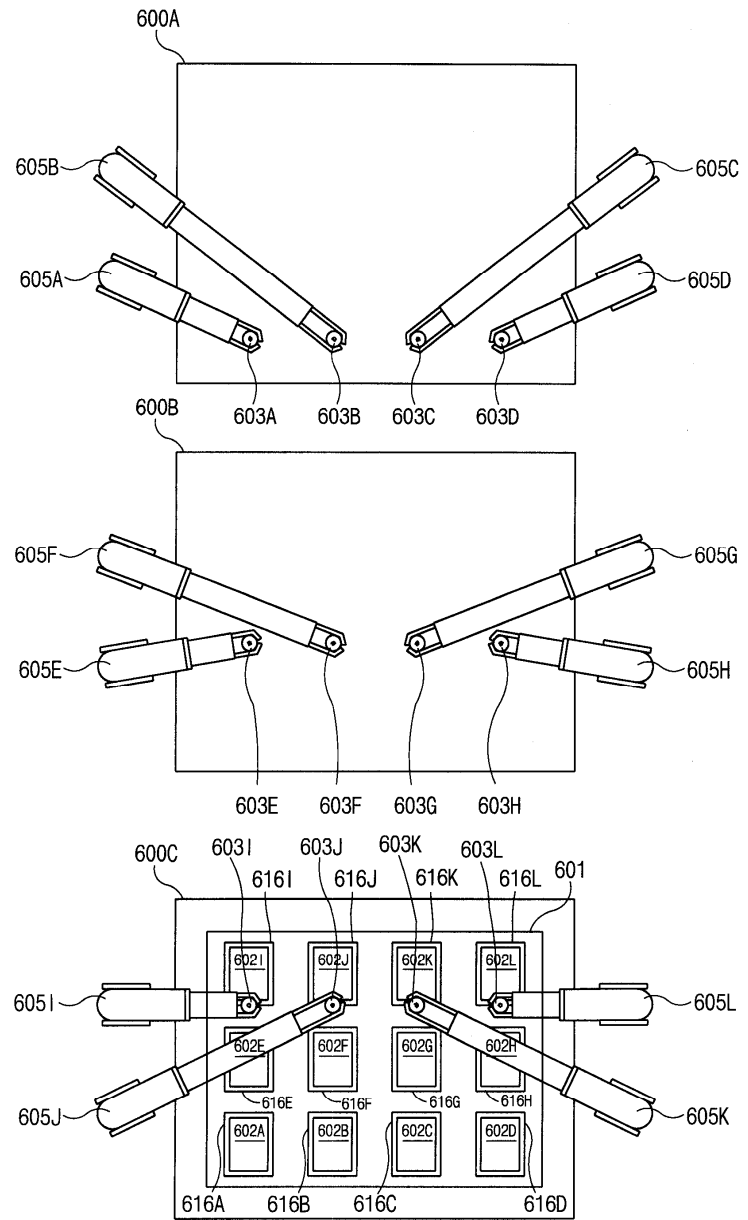
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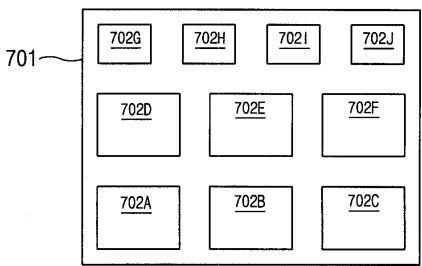
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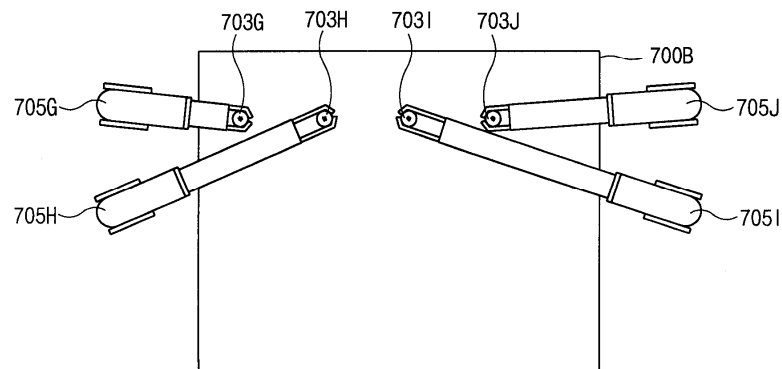
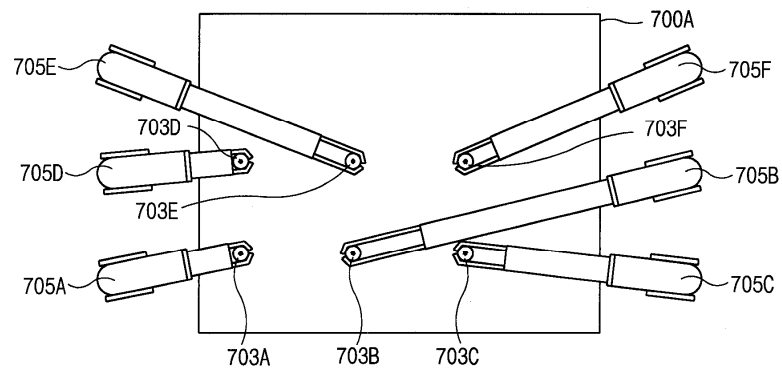
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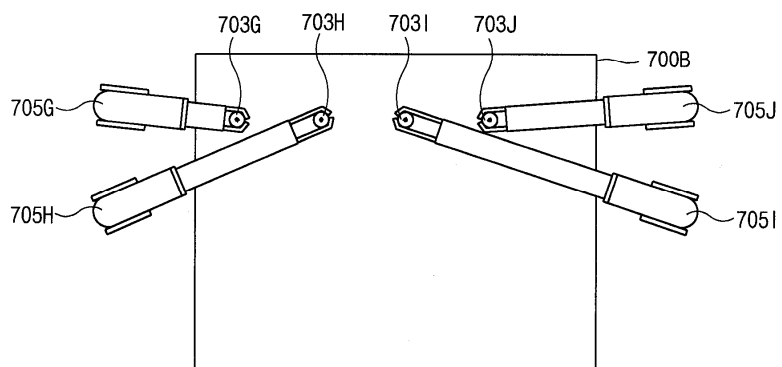
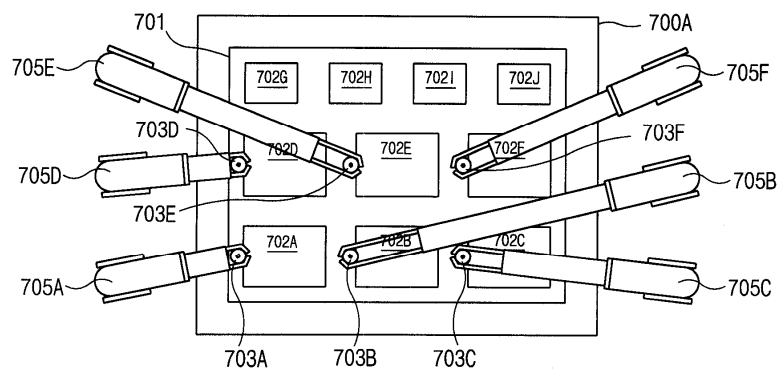
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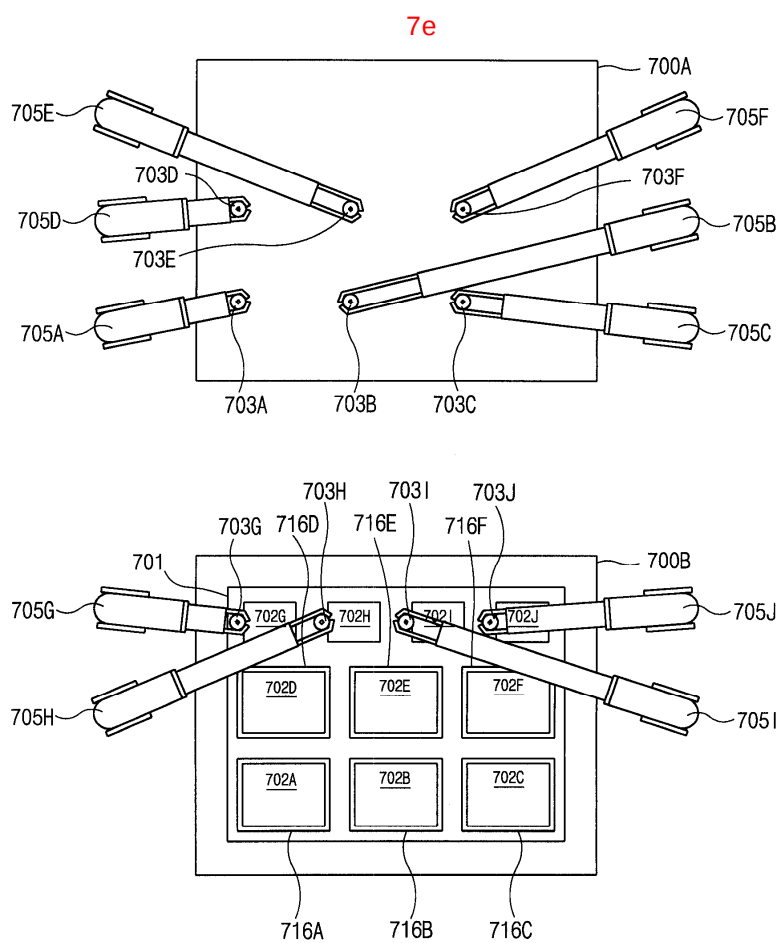
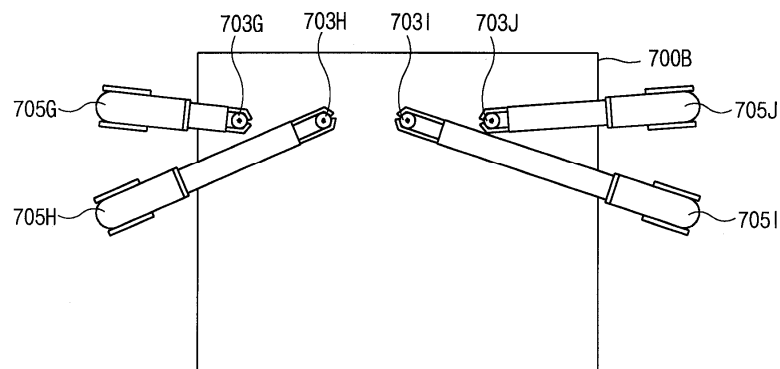
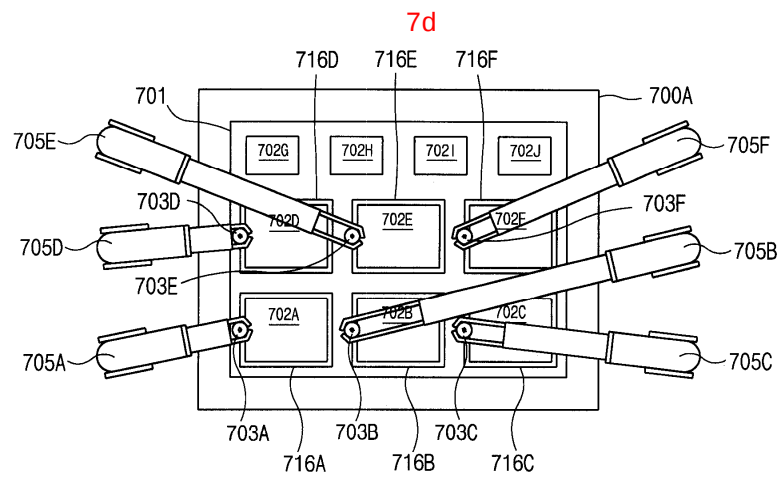


7b

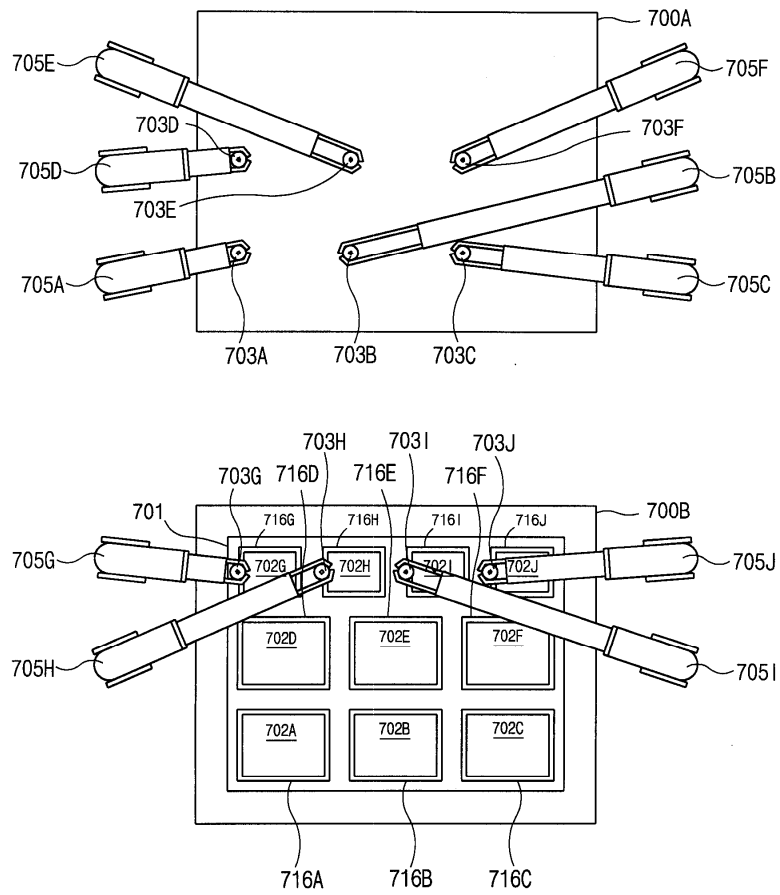


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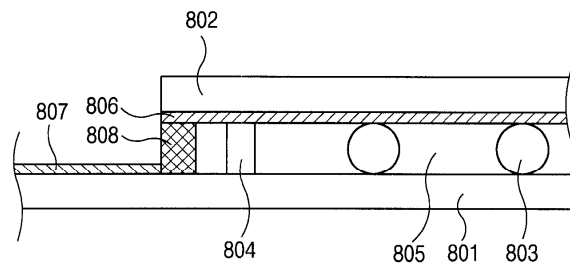


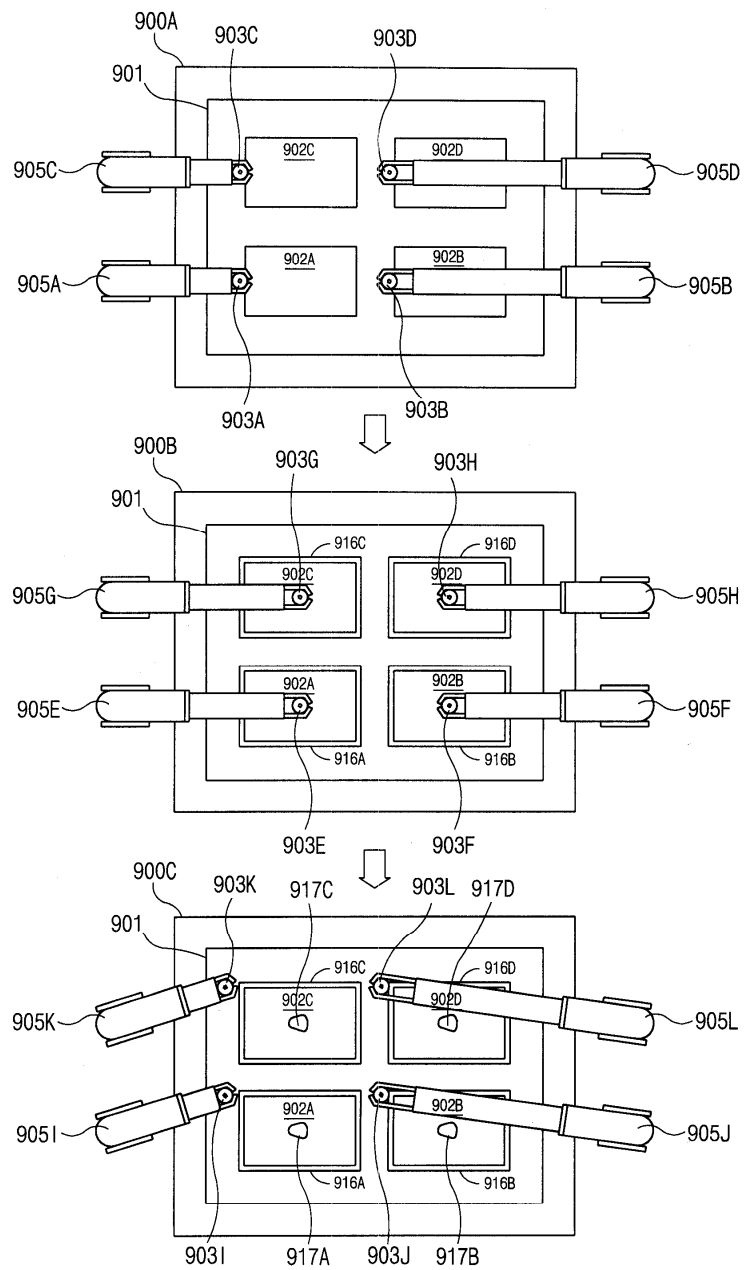


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专利名称(译)	液晶显示面板的分配器和使用该分配器的分配方法		
公开(公告)号	KR1020040042279A	公开(公告)日	2004-05-20
申请号	KR1020020070489	申请日	2002-11-13
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	JUNG SUNGSU 정성수		
发明人	정성수		
IPC分类号	G02F1/13 G02F1/1333		
CPC分类号	G02F1/133351 G02F2001/13415		
代理人(译)	PARK , JANG WON		
其他公开文献	KR100618577B1		
外部链接	Espacenet		

摘要(译)

本发明涉及使用LCD面板的分配器和使用该分配器的分配方法。并且，包括在桌子上供给分配材料的多个注射器，以及多个机器人臂。因为多个注射器分别安装在多个机器人臂中，即使在基板面积增大或LCD面板的型号改变的情况下，也可以将多个注射器转移到所需位置，并且在基板上形成的显示面板的面积是改变了分配器的元素被拆卸像常规。该区域不是必需的。它立即重新组装它管理。关于供应的多个注射器，在分配器中，基板被装载，并且基板喷嘴配备在根据本发明的LCD面板的一端。多个机器人臂分别安装多个注射器并安装在工作台的两侧。

