

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.⁷
G02F 1/13

(45)
(11)
(24)

2004 08 25
10-0445586
2004 08 13

(21) 10-2004-0028959
(22) 2004 04 27

(65)
(43)

(73)

799 가 107

(72)

344 가 APT602 404

(74)

:

(54)

() ,
1 , 2 ,
3 ,
4 ,
5 , 6 ,
7 ,
.

2

1a 1b
,
2 ,
3 ,
4 2 ,
5a 5c ,

6a 6c
7
8a 8c
9
*
1: () 10:
10-1: 1 10-2: 2
11: 1 () 13: 2 ()
15: 3 () 17: 4 ()
19: 5 () 100:
110: 120:
121: 1 125: 2
130: 140:
300: 310:
320: 330:
340: 380:
500: 510:
520: 530:
550: 700:
710: 720:
730: (x, y) 740: (z)
750: 770:
780: 790:
900: 910:

k Light) (LCD) (Bac
(
/
2
가
가
가
가

)
 10) 1 ; (100) (500) (100) (700) (7
 (10-1, 10-2) 2 ; (700) (710)
 3 ; (1) (1)
 4 ; (500) (1) 5
 ; (1) (710) (1)
 6 ; (1) (1)
 (1) 7 ;
) : (10)가 (110)
 (10) (11) (100); (1) (520)
 (501) (500); (71
 0) x, y, z (700); (100) (500) (500) (700) (1)
 (900); (31
 0) (100) (300)
 1a 1b
 2 (300), (500), (700) (900) (100),
 (100) (10)가 (110) (300) (100)
 (100) (520) (501) (710) x, y, z (900)
 500) (1) (700) (500) (1) (100) (500) (900) (700)
 (920) (910), (930),
 (940) (950) (LCD)
 () (1;) 1 (11), 2
 (13), 3 (15), 4 (17) 가 가
 5 (19) (1) (11, 13, 15, 17, 19)
 (100) (700) 1a (1)
 (700) (100)가 (500), (700) 1a
 2 (100) (10)가 (110) (10) (11)
 17, 19) 1 (10-1) 1 (121) (10) (11, 13, 15,
 2 (10-2) 2 (125) (110)
 (10) 1 (10-1) 2 (10-2) (11) (140),
 1 2 (130) (130) (120)
 (121, 125)
 (130) (140) (10) (910)
 (910) (10)가 1- (120) (100)
 (100) (130) (300) (700) (710)가
 (11) (300) (100) (310)가
 (300) (19)
 (710) 가

100) (13, 15) (300), (310) (340)가
 (110) (13, 15) (300) (110)
 (300) (700) (710) (310)
 (11, 13, 15, 17, 19) (380)가 (710) (310)
 (700) , 가 (710) , (710)
 (710) (720) , (710) x
 y (730) , (710) z
 (740), / (750)
 (710) (1) (710)
 (720) (770) , (710)
 (770) (790)
 (780)가 (710)
 (910) , (910)
 (780) (500) , (700) (前段) (501) , (501)
 (510) , (510) (510) (5
 01) (1) (1) (550) (520), (510) (510) (5
 (520) (700) (720) (520)
 (720) (520)
 (720) (520) 가 (51
 0) , (500) (510) (520) (1)
 (530) , (510) ()
 (520) (1) (910) (510)가
 (940)
 4 2 (300) (100), (500),
 (700) (700) (300) (910) (100), ()
 500) 700) (500) (910) (S10). , (100), ()
 , 가
 , (910) (100) (120) 1 (121) 2 (125)
 (130) (10) (11, 13, 15, 17, 19) / (10)
 2) 1 2 (121, 125) (130) , 1 2 (10-1, 10-
 (S20). (910) (700) (710) x, y z
 (S30).
 (1) (380)
 (710) z, y x (S4
 0).
 , (500) (510) (1;) (910) (550)
 (510)가 (1) , (1)
 (910) (550) (510) (S50).
 (510) (1) , (700) (710)
 (1) (S60).
 (1) (S70), (910) (550)
 (1) (700) (710) (100)
 (S20 S60).
 (11 19)
 (1) , (S80,
 S90).

, 4 (11 17)
 (S20) 5a (10) (110) (10)
 (11 17) 1 (10-1) 1 (121) , 2
 (10-2) 2 (125)
 (120) 1 2 (900) (910) 1 (121) 2 (125)
 2 (121, 125) (10) 1 (10-1) 2 (S20-1), 1
 (121, 125) (11) (S20-2). 1 2
 (11) , 1- (910) (140)
 (120) (120)
 (300) (100) (300)
 (300) (310) (S20-3).
 2 (11-1, 11-2) (10) (11-1, 11-2)
 (700) (710) (11-1 11-2) (300) (310)
 , 1 (710) (1) .
 (1) 2 (11-1, 11-2) 2
 (320) (300) (910)
 (300) (910) (120) 1 (121) 2
 (125) , 4 (11, 17) (13 15) (S20-4, S20-5).
 , 1 (10-1) 1 (10) (110) (10) (S20) 6a
 (125) (121) (10-2) 2
 (910) 1 (121) 2 (125) 1 (120) 1
 2 (121, 125) (10-1) 2 (10-2) (S20-11), 1 2 (121, 125) (10)
 1 (S20-12). (100) (3)
 00) (300) (310) (S20-13).
 6b 6c (10) (13-1, 13-2)
 2 (13-1, 13-2) (300) (310)
 (700) (710) (13-1 13-2) (1)
 , 1 (710) (13-1, 13-2)
 (1) 2 , 2
 (910) (300) (330) (310)
 (100) (910) (13 15) (300) (120)
 (S20-14, S20-15). , ' ' (310) (310)
 (13, 15) (310) (700) (710)
 (320) (300) (910)
 (300) (910) (120) 1 (121) 2
 (125) (310) (S20-16, S20-1
 7).
 4 (S30 S60) , 7
 (700) (710) (300) (700)
 (710) x, y (300) (S30-1) (700)
 (710) z (S30-2) (910) (770)
 (710) (S30-3).
 (710) (780)
 (910) (710) , (500)
 (300) '¬' (380)
 (700) (710) x, y, z (510)
 (S40-1). (510) (1) (710) (1
) (710) (720) (510) (520)
 (S40-2) (910) (770) (790)

가 (710) (710) (

1) (S60). (510) (501) (510)가 (510) (501) (510)

(700) (700) (550) 가 (910) (940) (19) 가 가

(19) (19) (S20) , 8a (19) 가 가

가 (900) (910) 1 (121) 2 (125) (120) 1

2 (121, 125) (S20-21), 1 2 (121, 125) (

130) 1 (10-1) 2 (10-2) 1 2 (S20-22). (19) (130) (700) (710)

(19) 가 가 (S20-23), (19) 가 가

(19) 가 (S20-24), (700) (10)

8b 8c

12 (501) (501) (520)가 (530)

(510)가 (900) (910) (1) (520) (550)

(910) () (520)가 (520) 1- (Pitch)

(520)가 (910) (520) 1 2 (11

9 (100) (120) 1 2 (121, 125) (910) (11

(121, 125) 1- (Pitch) (140) (910) (10

) (120) , 1 (10-1) 1 (121) 2 (10-1, 10-2)

-2) 2 (125) (11) 1 2 (300) (910) (320) (300) (11)

(700) (710) x, y (730) (710)

(710) (730) (910) (740), z

(300) (310) (780) (770) 가 (710)

(910) (780) (910) (910)

(710) (780) (780) 가 (920)

가 (910) (940) (710)

가 (950) (910) (710)

(380) (Align Offset) (380)가 (1)

(300) (910) (780) (710) (720)

(910) (700) (710) x, y

가 (700) (710) (740)

(510) (520) (710) (720)

(520) (720)

(790) 가 (1) (710) (720) (910) , (770) ,
 (710) 가 (770)
 (1)

, (910) (700) (710)
 (500) (510), (1) , 1 (11)
 (1) 2 (13) , (1) 1 (11)
 , 1 4 (17) , 2 3 (15) , 5 (19)
 , 1 (11) 4 (17) , 2 (13) 3 (15)
 , 1 4 (17) 2 3 (15) 가 5 (19)
 (700) (710)
 2 3 (13, 15) , (10)

'□'

, (300) (100) (100) (310)
 (340) (300) (330) (100)
 (300) 360° , 360° 가 (300)
 (100) (910) (320) (300) (100) (340)
 (330) (300) (700)

, 5 (19) 가 가
 , 가
 , (100) (700) (710) 가
 , (700) (710) (730) x, y
 , (910) (710) (770) 가
 (710) (910) (100) 1 2 (121, 125)
 1- (110) (700)
 (710) (910) (780) (700) (710)
 , (1) (19) , (1) 1- (9

10) (1) 1 (11) 5 (19) , (1) 1- (9
 (800) /
 가 (800) 1000ms 가 , 가 / 가 ,
 가 가
 가

,
 ,
 , 가 가

(57)

1.

$$\left(\begin{array}{c} \vdots \\ \vdots \\ \vdots \end{array} \right)$$

1 1 ;
 / 1
 2 ;
 3 ;
 4 ;
 5 ;
 6 ;
 7 ;
 2.
 1 ,
 2 ,
 1 ; 1 2 2 2
 1 1 2 ;
 1 2 ;
 ;
 ;
 3.
 1 ,
 3 , x, y ;
 z ;
 z ;
 4.
 1 ,
 4 ;
 5.
 1 ,
 5 , x, y ;
 ;
 6.
 1 ,
 6 ,
 ;
 ;
 7.
 1 ,
 2 ,
 ;
 ;
 ;
 8.
 1 ,
 6 ,
 ;
 ;
 9.
 가 () :
 ;
 x, y, z ,
 ;

11. 9, 가 ; 1 2 ; 1 2 ; 1 2 ;

12. ¹¹ , 가 가

13.

9

14. 13, 가

16. 13, 가

17.

9

,

,

가

;

x y

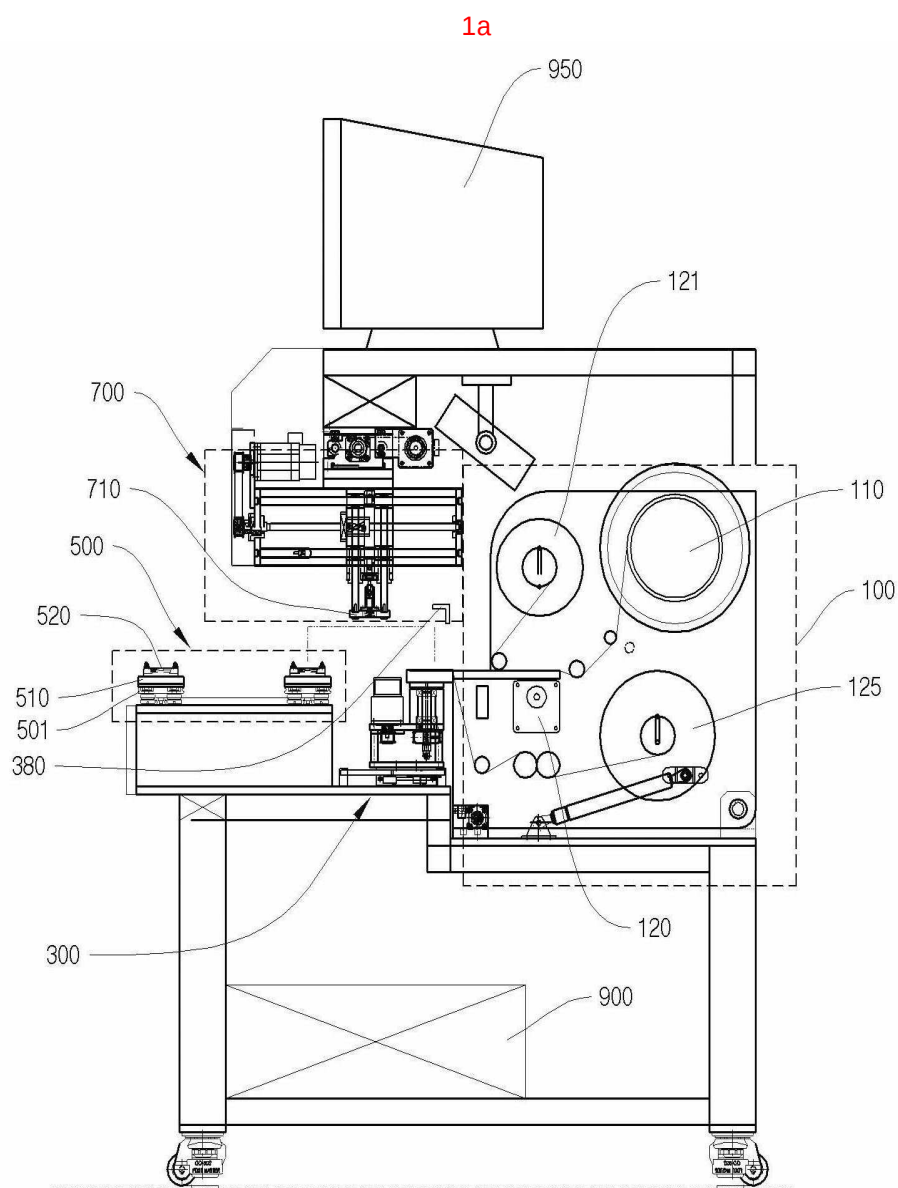
z

/

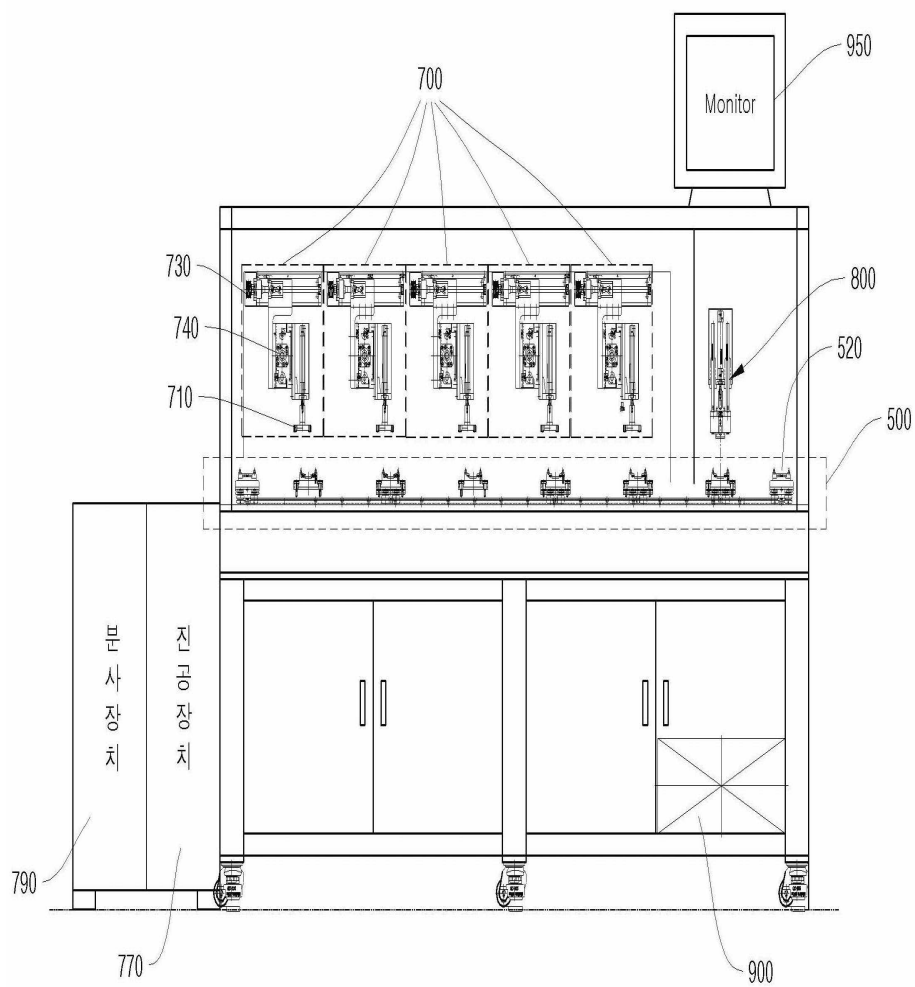
19. _____,
18 _____,

20. 19 , 가

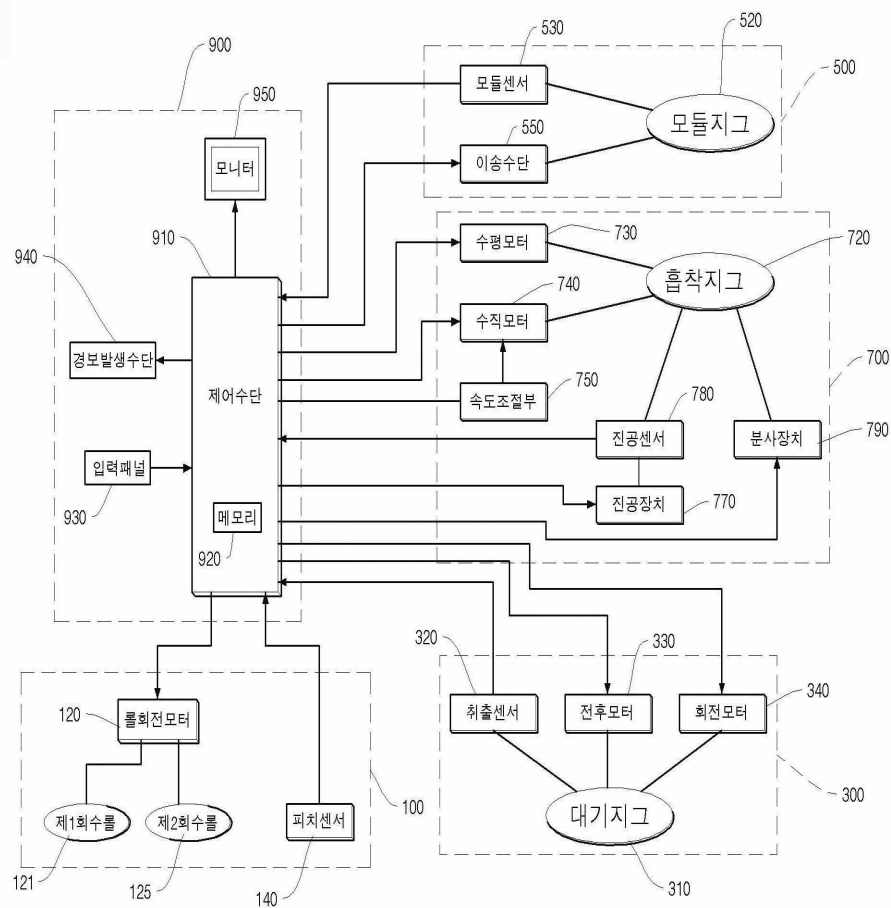
21.
9 ,



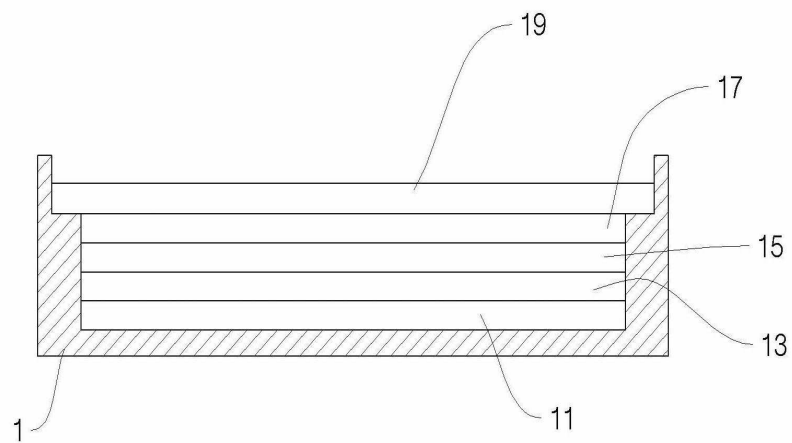
1b



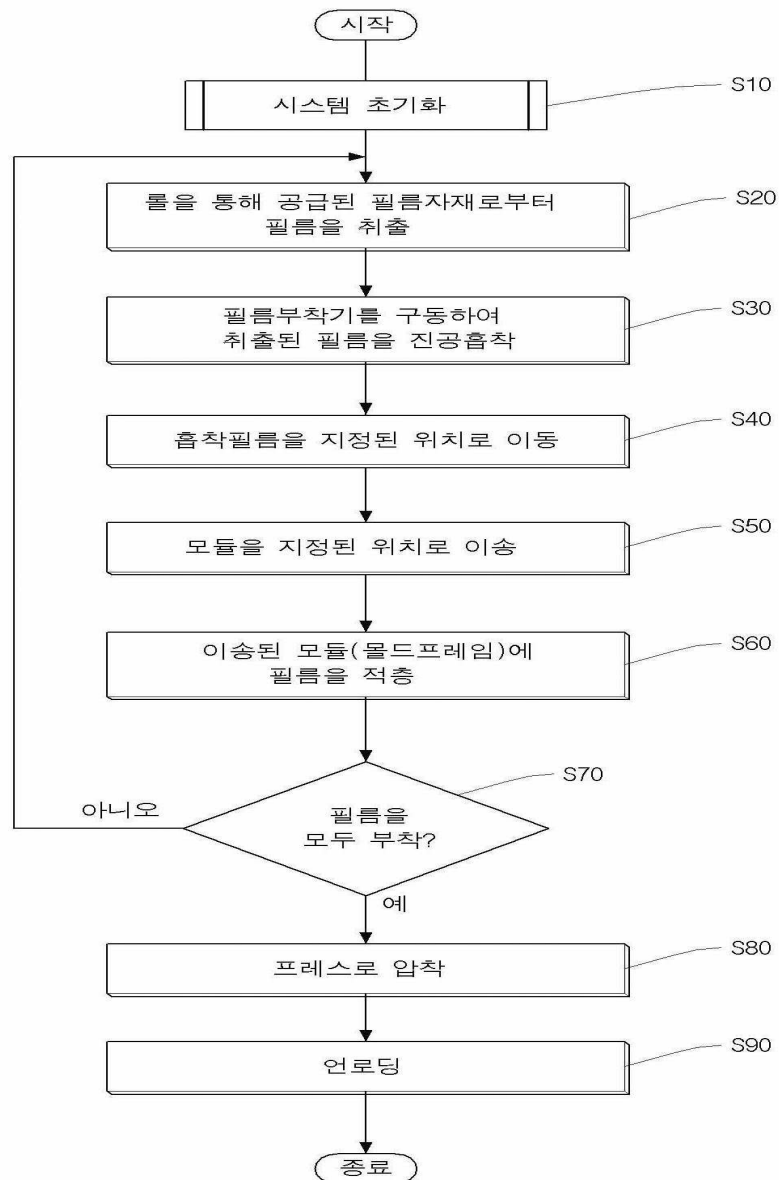
2



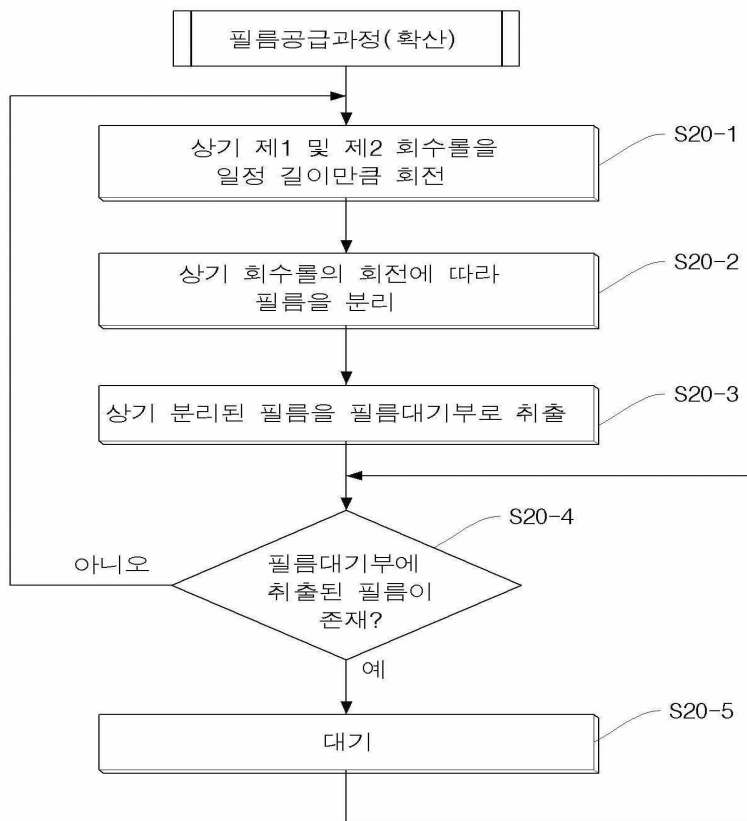
3



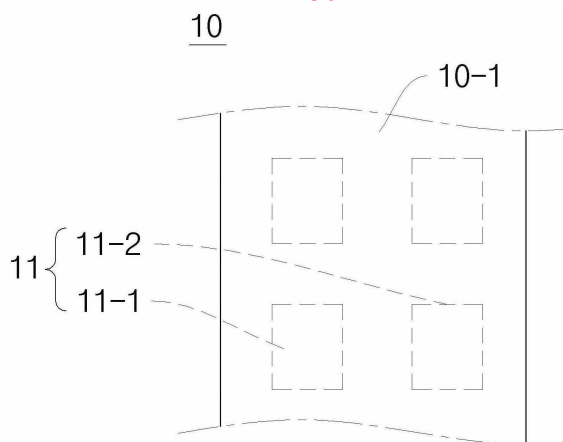
4



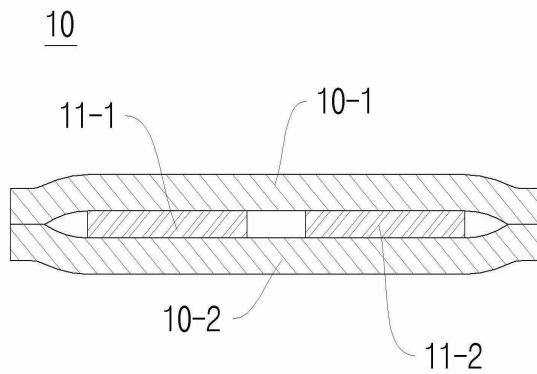
5a



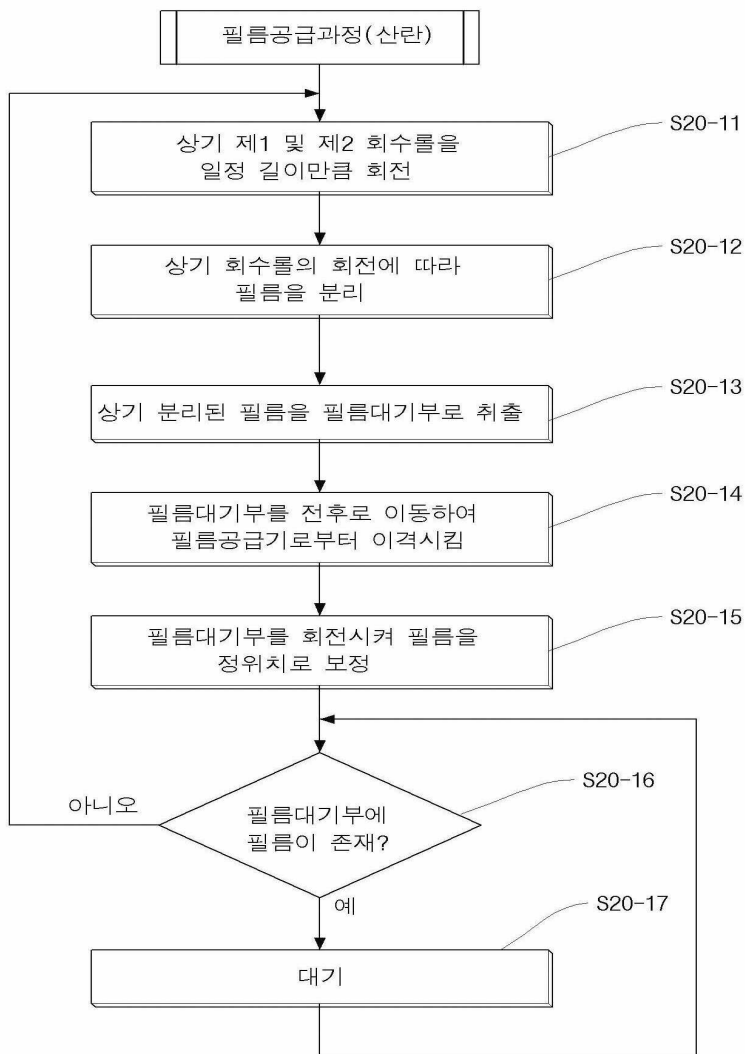
5b



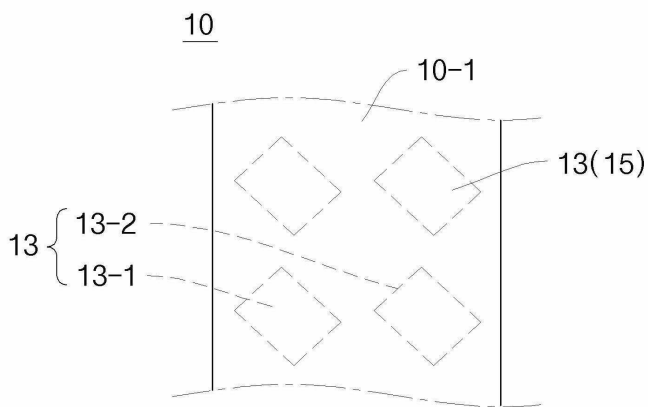
5c

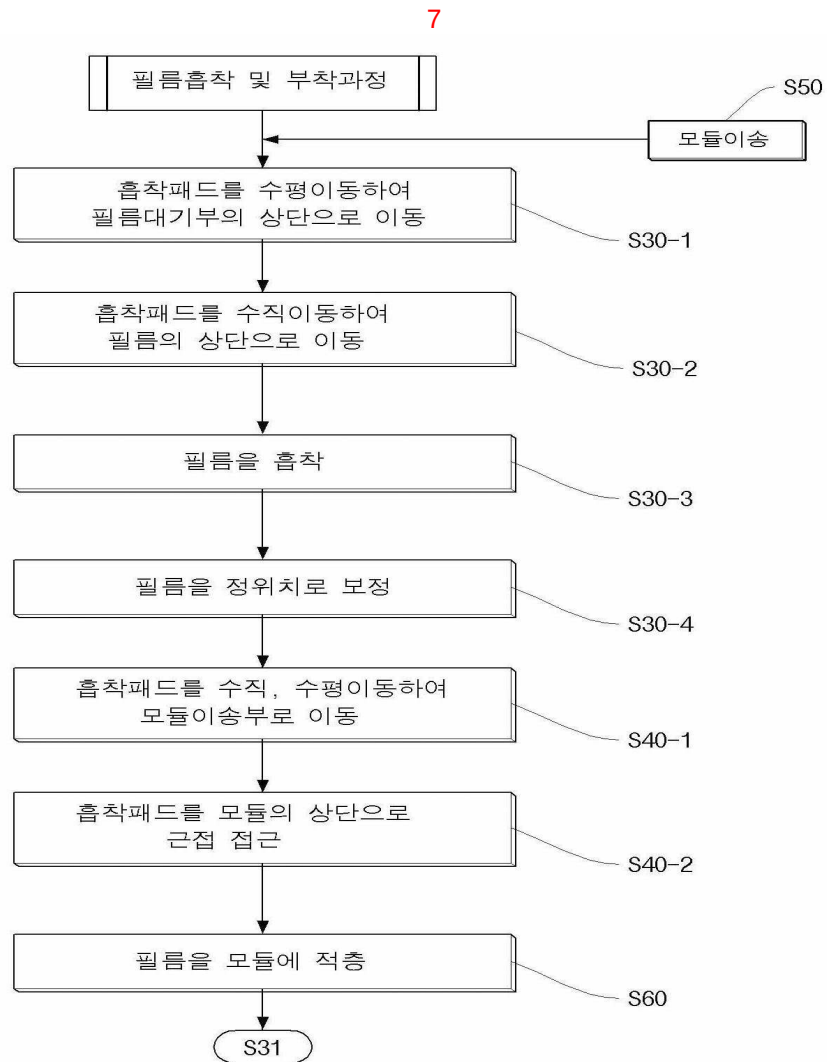
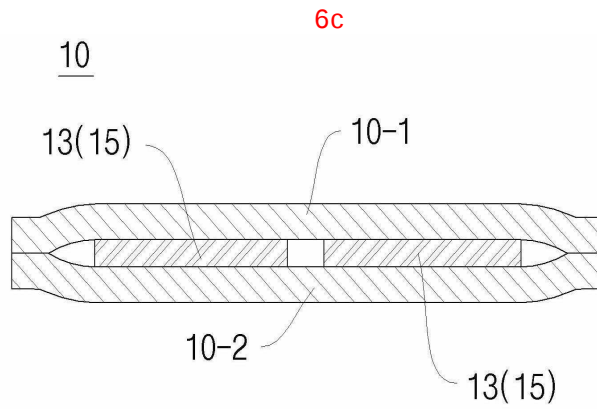


6a

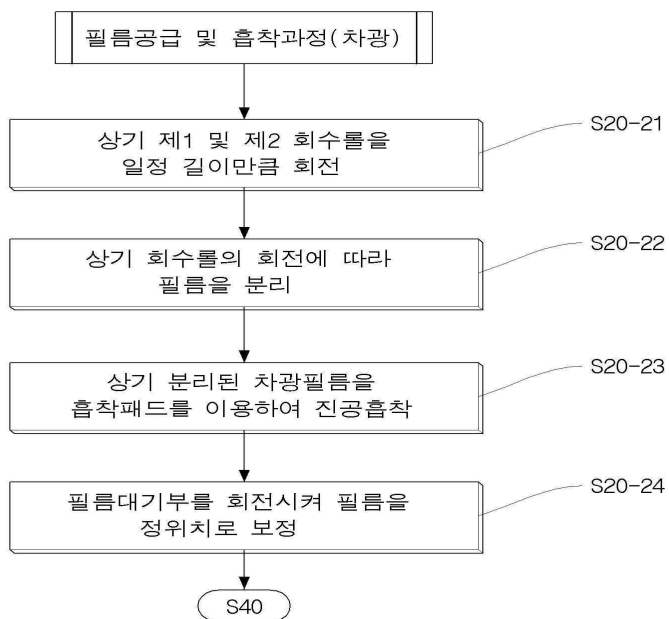


6b

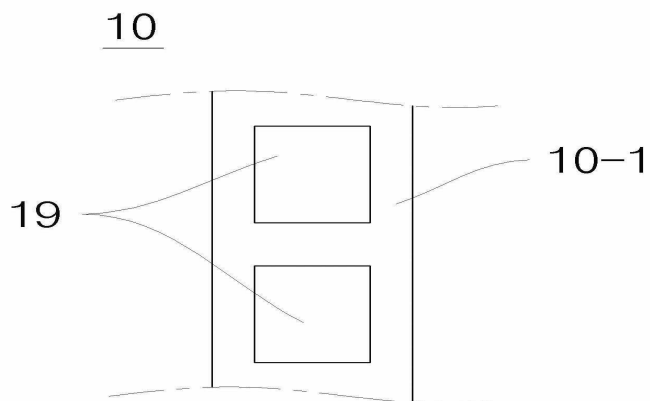




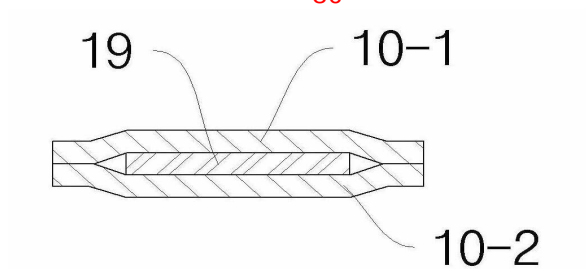
8a

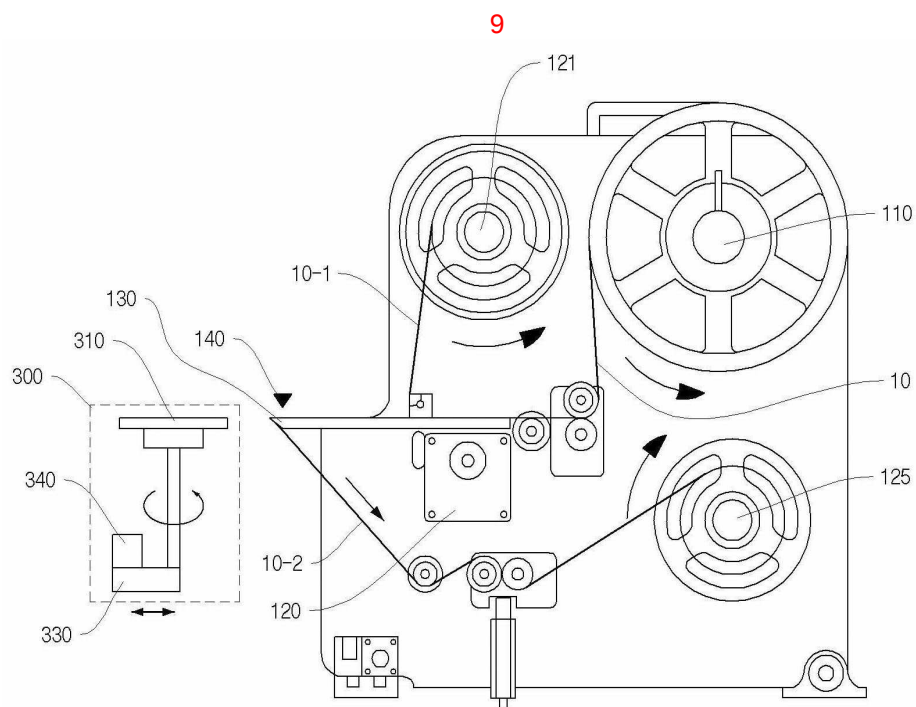


8b



8c





专利名称(译)	用于将背光膜附接到液晶面板的方法和系统		
公开(公告)号	KR100445586B1	公开(公告)日	2004-08-25
申请号	KR1020040028959	申请日	2004-04-27
[标]申请(专利权)人(译)	DNC ENG		
申请(专利权)人(译)	二烯先生工程有限公司		
当前申请(专利权)人(译)	二烯先生工程有限公司		
[标]发明人	LEE YUNSEOK		
发明人	LEE,YUNSEOK		
IPC分类号	G02F1/13357 G02F1/13		
CPC分类号	G02F1/133606 E01C7/08 E01C11/16 E01C2201/167		
代理人(译)	李不澈 YOU, WAN SIK		
外部链接	Espacenet		

摘要(译)

在本发明中，层压的方法和安装的扩散或用于背光的液晶显示模块架（模块），并且所述模块的第一步骤中的散射薄膜被初始化时，所述附接的空气的吸气衬垫和所述薄膜供给装置和薄膜，该薄膜从所述第一保护膜分别取出驱动扩散的供给或散射膜的步骤在其上叠加/时，与用于通过驱动所述膜附接的抽吸垫的真空通过抽吸拾取膜中的第三步第四步是将吸附膜对准正确位置以将模块层压到正确位置，第五步是驱动模块将模块转移到预定的膜附着位置，将真空吸附膜放置在模块上并水平和垂直堆叠真空吸附膜的第六步，堆叠指定并也转移到下一个位置，以及所述的薄膜，通过使用重复进行一个新的递送模块，以通过手的液晶面板的正面上安装的膜的工序的第七步骤均匀递送背光自动化的模块后一种附接用于液晶面板的背光的膜的方法和一种用于通过提高工作效率并通过提高生产率来缩短工作时间的过程将模块附接到模块的系统。 2

