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:

(54)

(Organic Electro-Luminescent Display; OELD)

, 가 3
 가 ,

2

, ,

1 ()

2

3

4a

4b

5

6 2

7 2

8

* *
100 : 110: (stopper)
200 : 210 : ()
220 : 230 :
250 : 260 : ()
270 : 1 280 : 2
300 : 310 :
320 : 400 :
410 : 500 : CCD
600 : 700 :

(Organic Electro-Luminescent Display; OELD)

3

, 가
가 ,

가

가

;

,

3

, 1

;

;

가 ;

3

, 가 ,

가

,

가

/

1

1

가

1

,

,

,

4
가 2 (bar)

, , , ,
가
, 2 , , 1
, , , 2 ,
4 , , , 가 2 4
(bar) . . .
3 x, y,
, , ,
가 ()
2가
, 1 1
; ,
, (, , 1
; ;
2 , 3
가 3 ;
가 4 ; ,
5
3 , 가 + 가
; ,
1 (stopper)
,
; ,
2 2
;

3
),
 0) (300) 가 (400) , (100) , 4 CCD (200)
 (50)

(200) (210) , (230)
 (220) ,

4 (230) (232) , 2 4 (231) ,
) (234) (232) 2 (stopper; 110) 가 (230)
 4a 4 5

(300) 3 (340)
 (600) (310) , (320) (330) (320) 가

(300) (200) (400)
) (310) (410) ()

4a (200) (210) (230)
 (210) (211) (212) , (212)
 4) , (213) , (215) (216) (232)

(200) (214) ()
 가 S .

(230) (216) 4 (231) , 4
 (232) , 2 (230) (231) (215) (232)
 (support bar; 233) (234) , (232) (head) (233) (232) (235)
 , (233) (232) (233) (232) (235)
 () ,

4a (700) (213)

4b (300) (210) (310) , (320) (310),
) , (340) (341) , (344)
 (342), (roll; 343)

5

5a . (300) (320) (600)

5b (230) (232) 가 , (100) (220) (210)
, (233) (233)가 (234) (210) (110) . (700)
, 4c , (231) (233)가 (210)

5c , (341) 가 (342) (210) (300) 가 가 (600) 가 가 .(4b)

5c

(210) 가 300가 , 가 400가 ,

5d , (700) (600) . , 가 (400)
()가

가 가

()

가

가

6 2

1

2 (200) (250),
 (260) ,
 1 (270) , 1 (280) , (230) (250) (230)
 , (231) ,
 , (230) (250) (231) ,
 , (232) ,
 , (bar; 233)

2 (280) 1 (270) (260) (250) 가 ,
2 1 .
7 2 . 5 가

, 7a . , (260) (250) (330)

5b

7b

7d , + , 가
(300) () ,

가 2 (bar)

3.

2 ,

,
가

4.

1 ,

3

5.

1 ,

가

6.

1 ,

1 , 1
2 ,

가

2 (bar)

4

7.

1 5

1 ;

, 3
2 ;

가

3 ;

가

가

4 ; ,

5

8.

7 ,

3 가 6 가 ,
 가

9.
 7 8 ,
 1 ,

(stopper)

10.
 9 ,
 1 가 , 가

11.
 6 ,
 , 1 ;
 , 2 ;
 , 3
 , 가 ,
 가 4 ; ,
 5

12.
 11 ,
 3 가 6 가 ,
 .

13.
 11 12 ,
 1 ,
 (stopper)

14.

13

1

가

가

15.

11

12

5

가

7

가

16.

15

가

17.

11

12

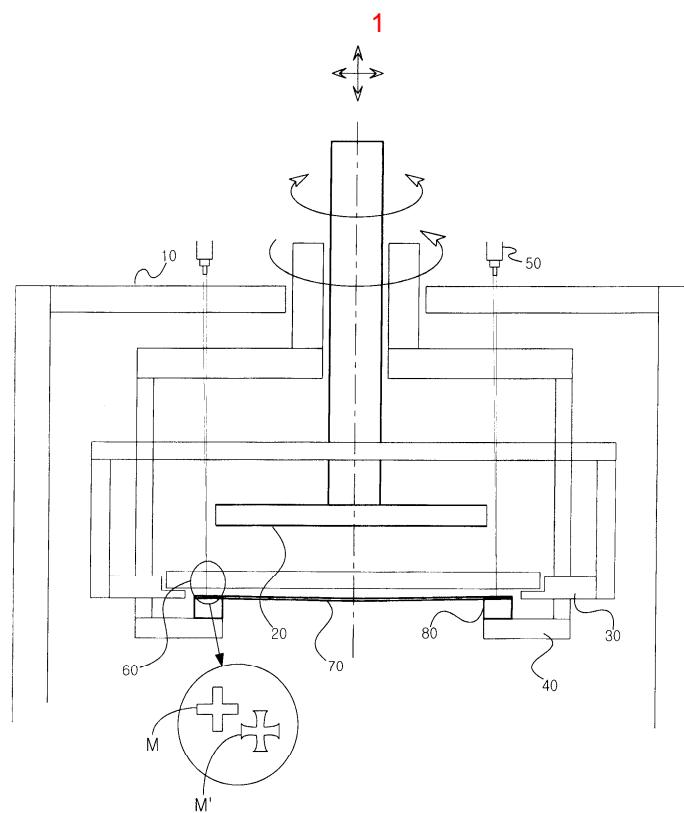
5

가

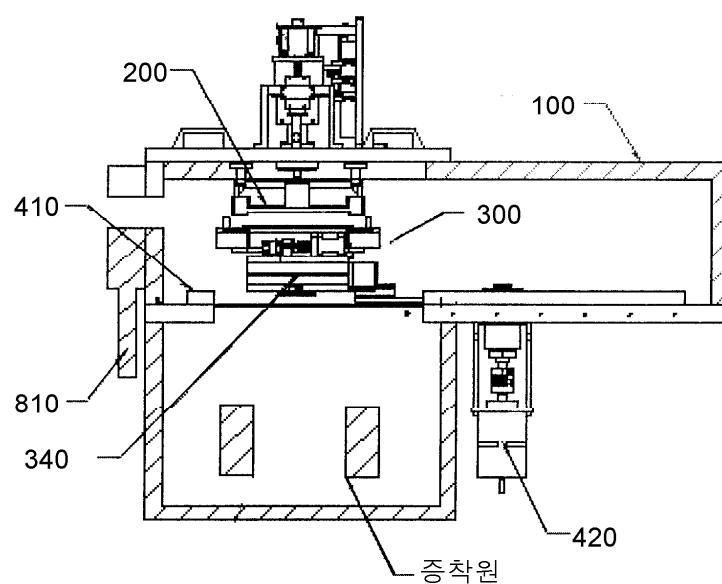
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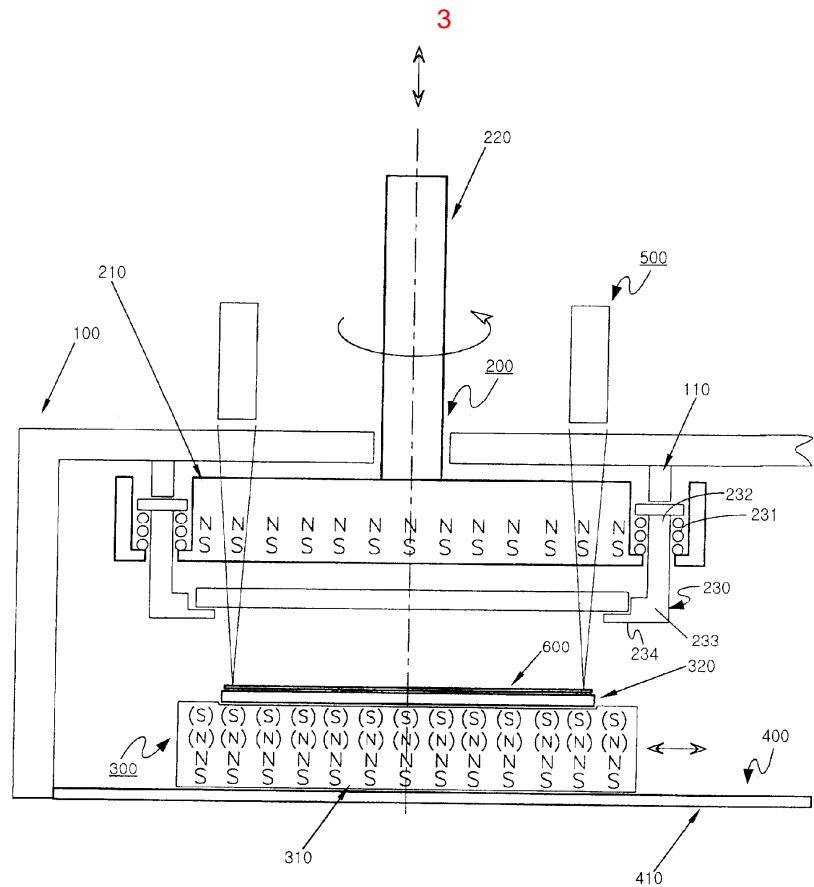
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가

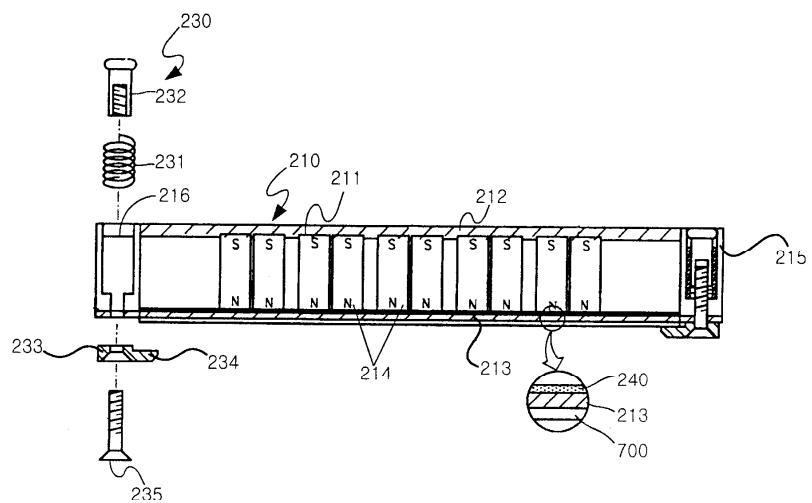


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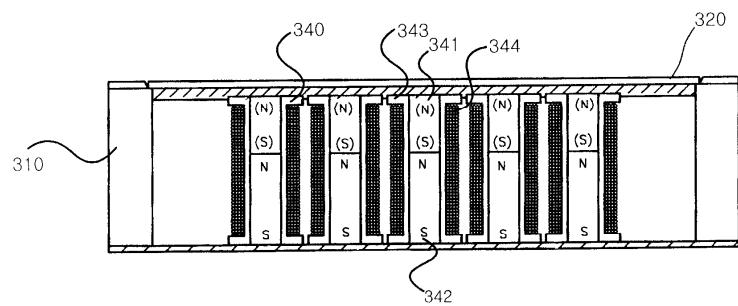




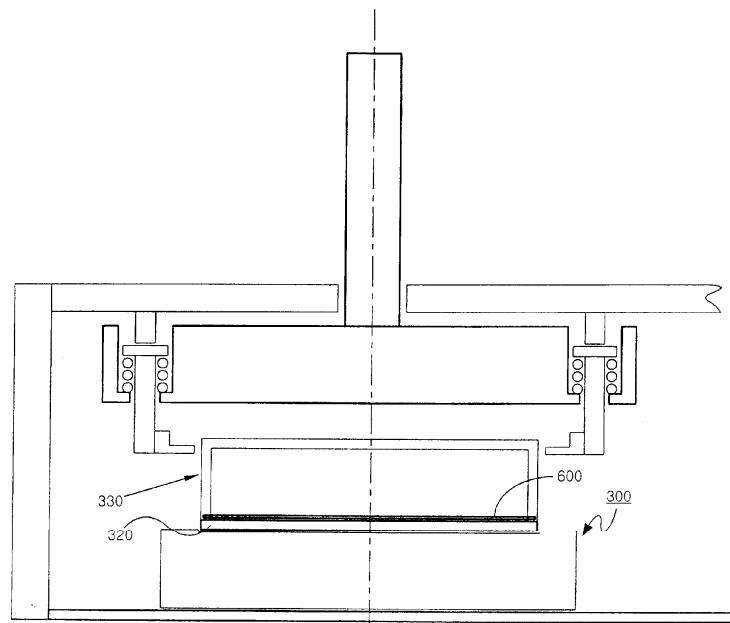
4a



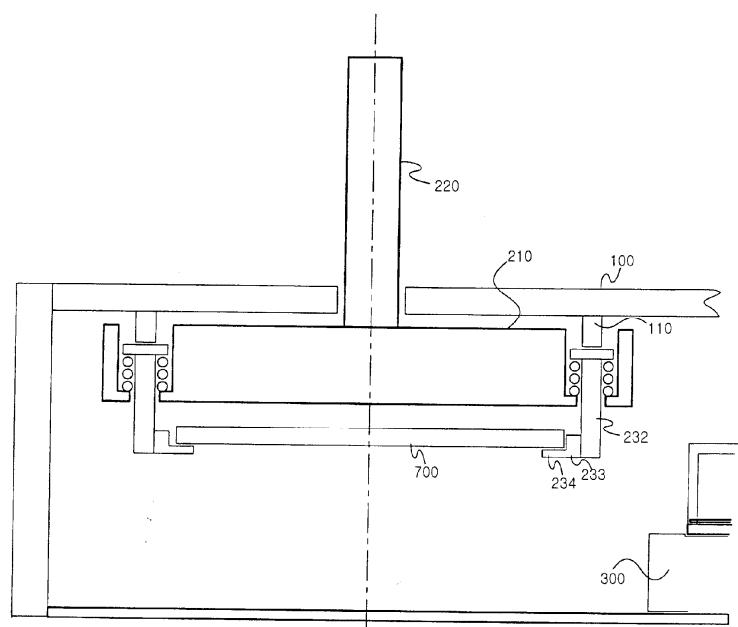
4b



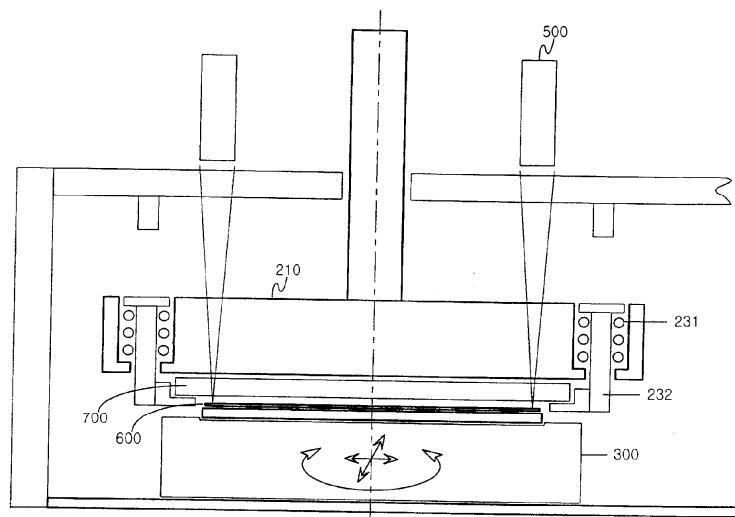
5a



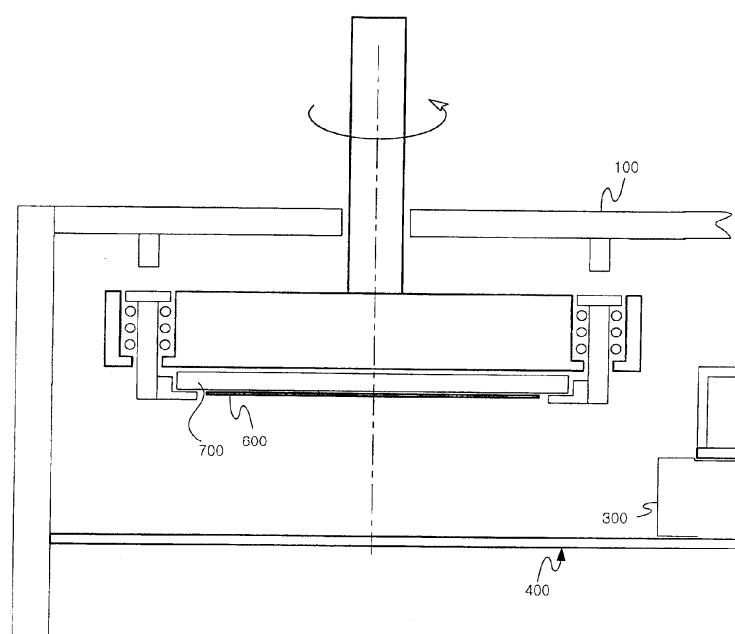
5b

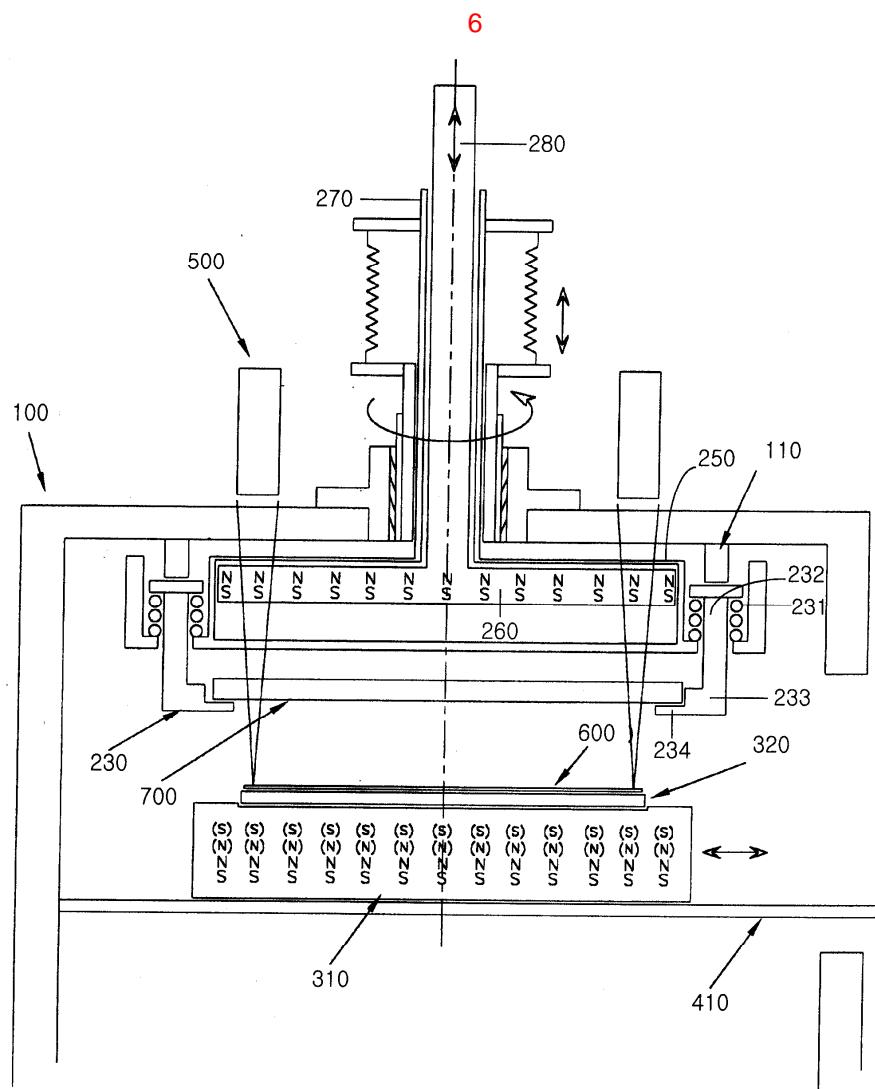


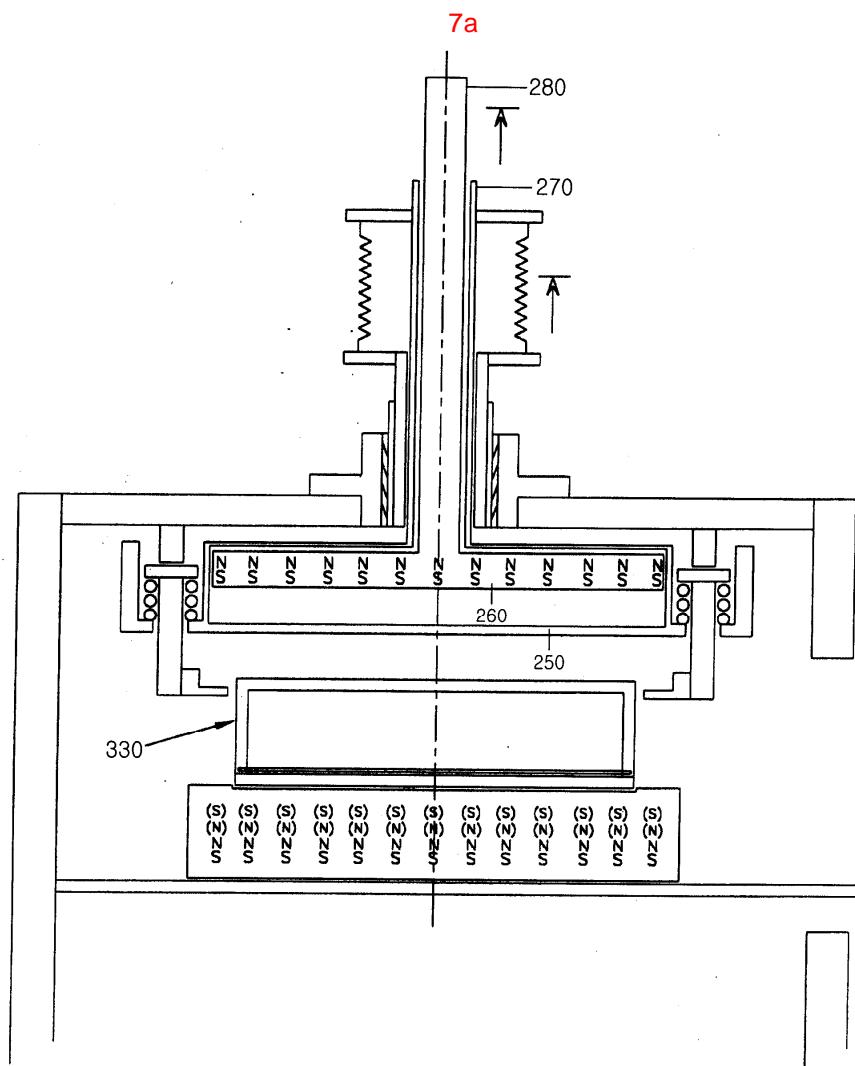
5c

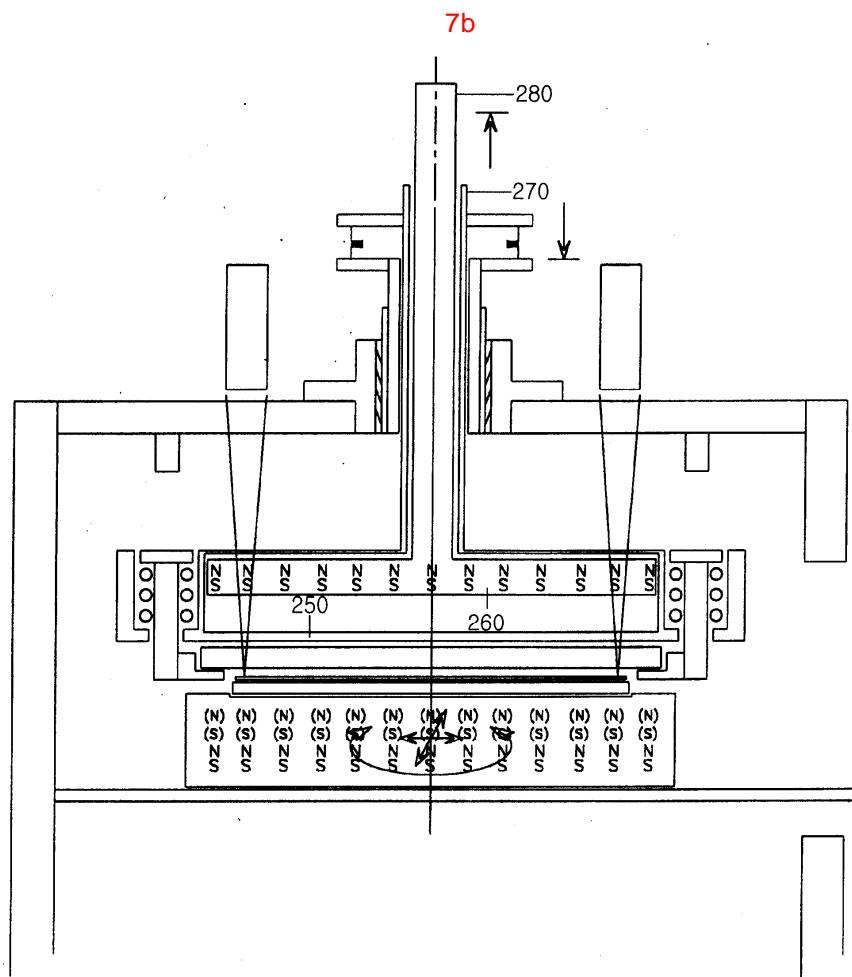


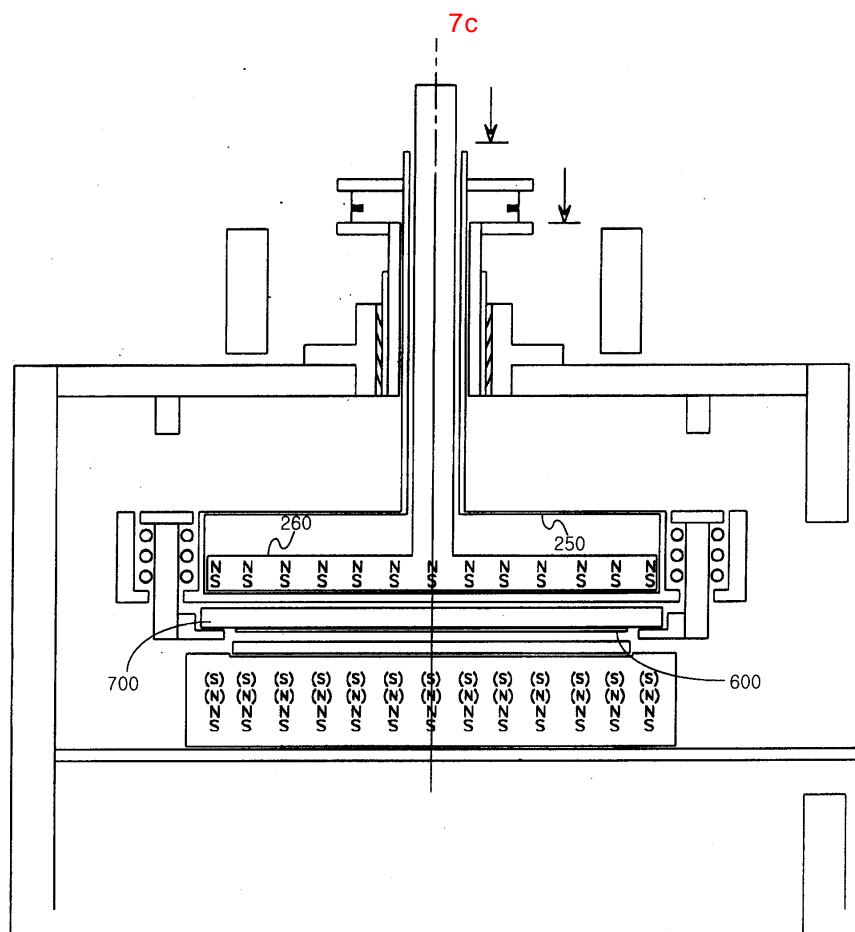
5d

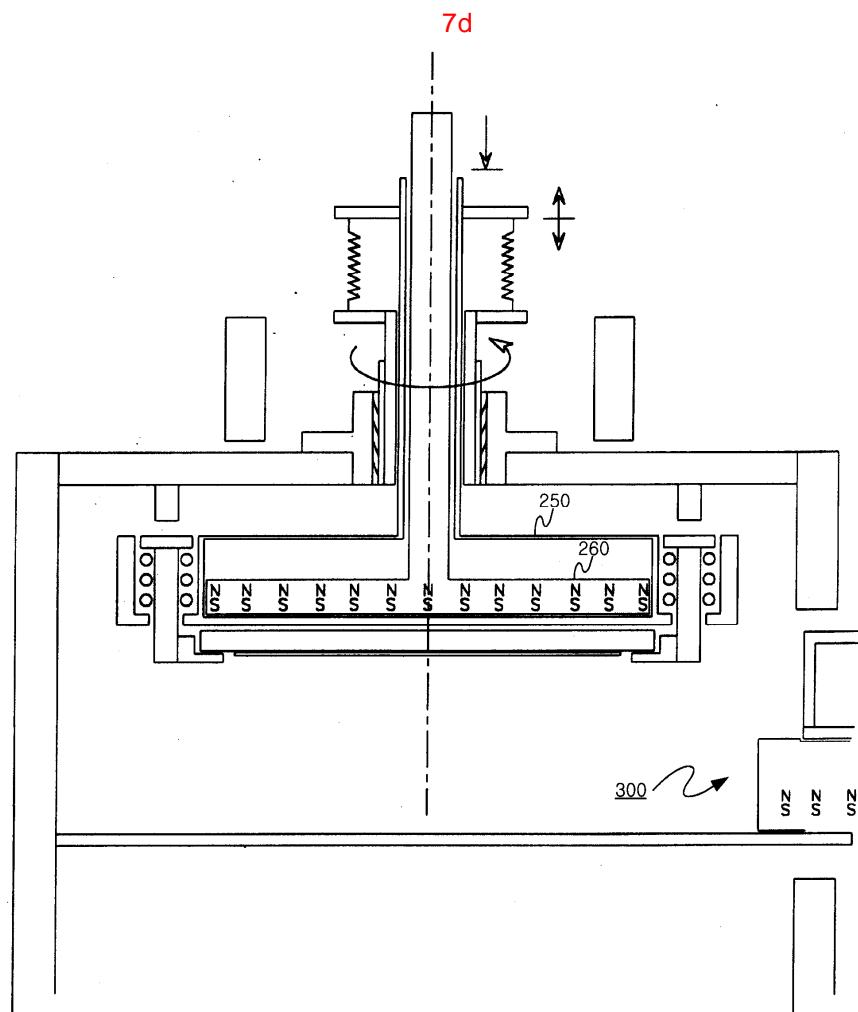


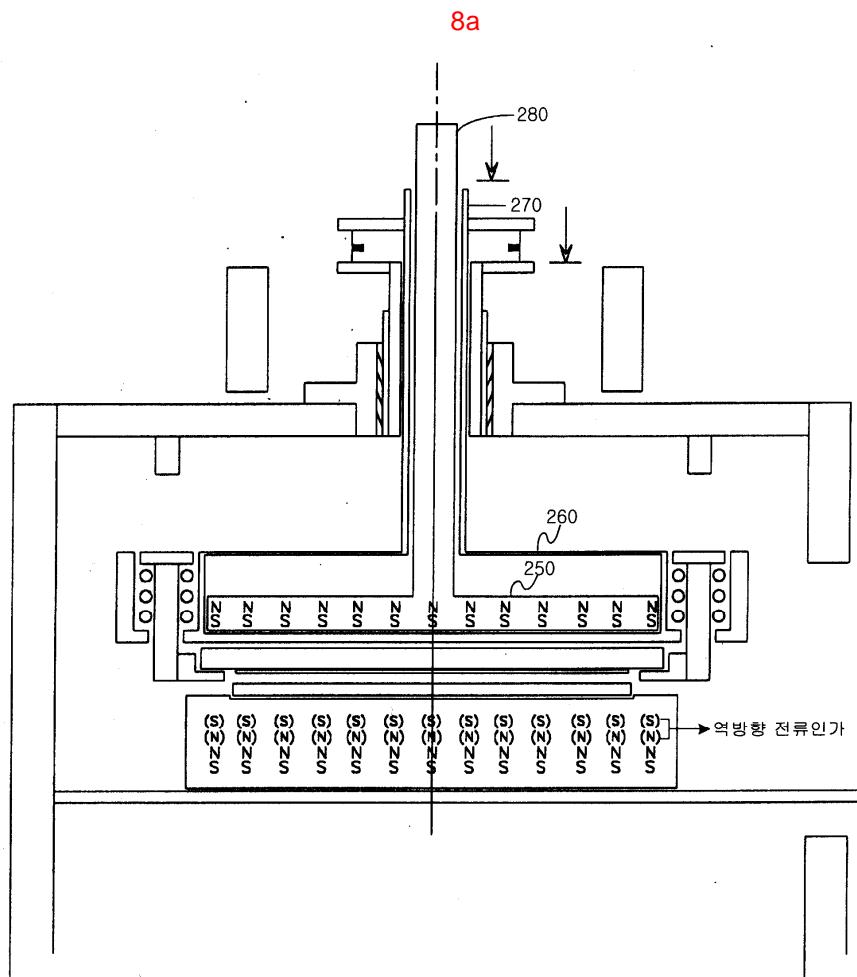


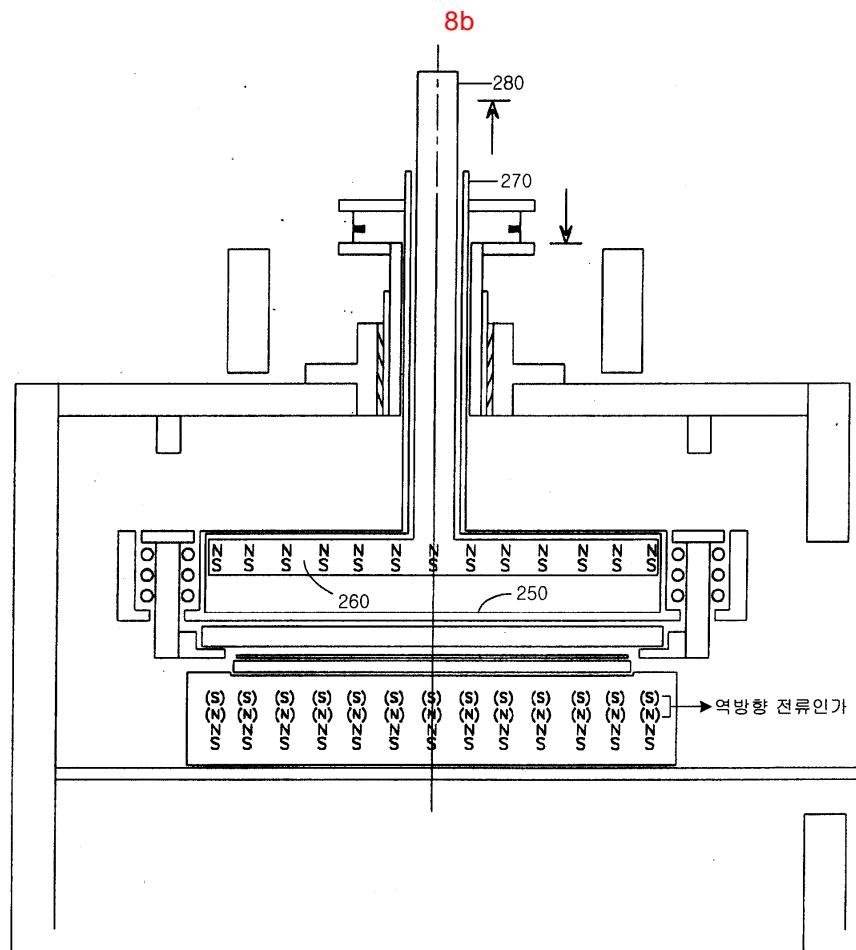


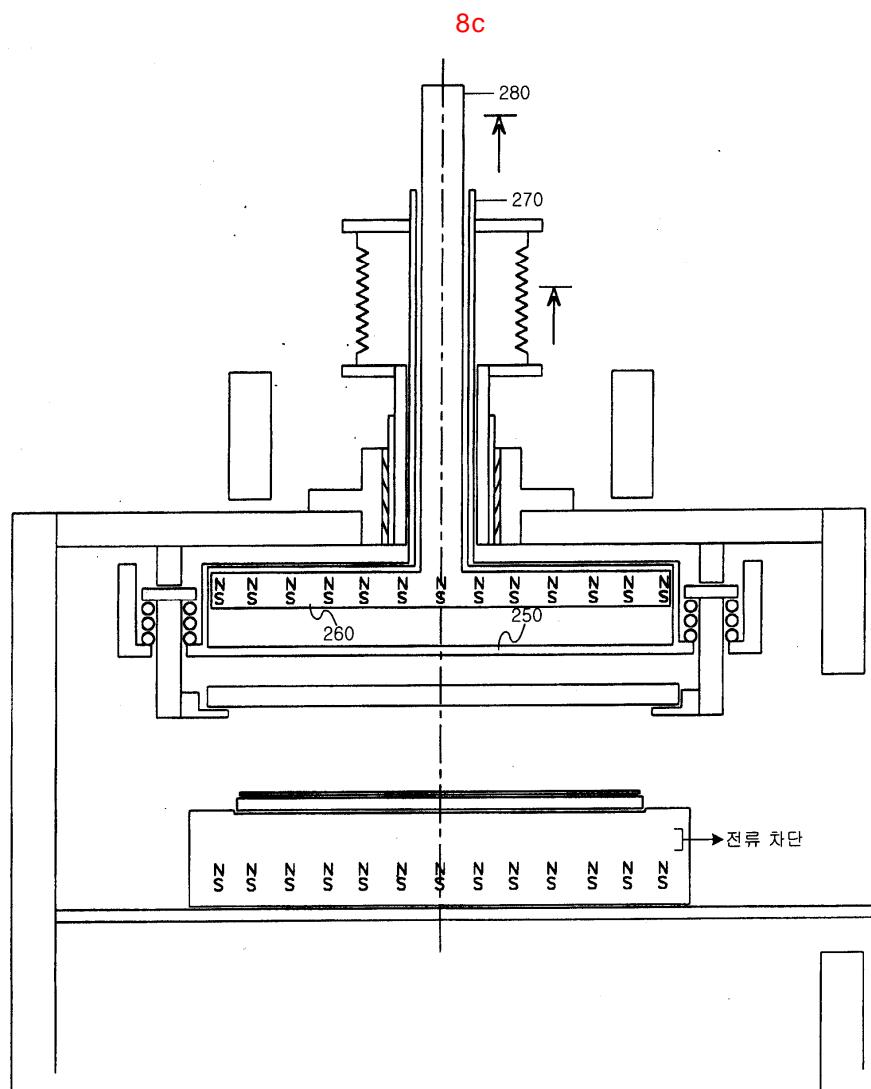












专利名称(译)	用于制造使用电磁体的有机电致发光器件的沉积设备和使用该设备的沉积方法		
公开(公告)号	KR1020030047284A	公开(公告)日	2003-06-18
申请号	KR1020010077739	申请日	2001-12-10
申请(专利权)人(译)	什么是服务有限公司		
当前申请(专利权)人(译)	什么是服务有限公司		
[标]发明人	KIM DONG SOO 김동수 BAE KYUNG BIN 배경빈		
发明人	김동수 배경빈		
IPC分类号	H01L51/50 H01L33/26 C23C14/56 C23C14/24 C23C14/04 H05B33/14 C23C14/12 H05B33/10 H01L33/36		
CPC分类号	C23C14/042 C23C14/12 C23C14/24 H01L51/001 H01L51/0011		
代理人(译)	KIM SOO SAM		
其他公开文献	KR100422487B1		
外部链接	Espacenet		

摘要(译)

用途：提供一种沉积设备，以减少制造有机EL显示器所需的腔室数量，并降低制造成本和时间。组成：荫罩支架单元设置在真空室上以向上和向下移动，并具有永久磁铁（210），用于支撑玻璃基板并将对准的荫罩紧密地附着在玻璃基板上。荫罩安装台（300）设置在荫罩支架单元的下部，以安装荫罩。荫罩安装台包括三轴位置偏移部件，该控制部件连接到外部以对准荫罩和玻璃基板，至少一个永磁铁和电磁铁。光学对准部分确认玻璃基板（700）和荫罩（600）的对准状态。线性引导部分构造成使荫罩安装台在真空室中沿左右方向移动。控制部分设置在真空室的外部，并控制提供给三轴位置偏移部分，线性引导部分和电磁铁的电流的极性和大小。

