



(19)  
(12)

(A)<sup>(KR)</sup>

(11)  
(43)

10-2010-0038839  
2010 04 15

(51) Int. Cl.

(71)

**B23K 26/42 (2006.01)**

(21) 10-2008-0097968

253

(22) 2008 10 07

(72)

2008 10 07

3

2 386

1 176-20

101

1

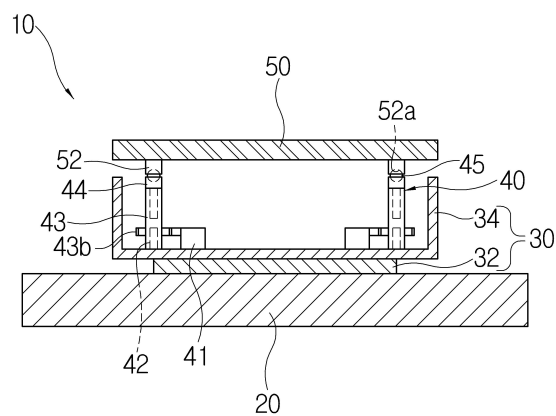
706 1707

(74)

: 4

(54)

(57)



1

(10) ,  
(10) (20) (30)  
(30) (40) , (40)  
(50) ,  
(50) (40)  
.

2

1 ,  
(40) .

3

1 2 , (40) ,  
(30) (34) (41a) (41) ,  
(34) (42) (43a)  
(41) (41a) (43b) (43) ,  
(43) (43a) (44a) (41) ,  
(44) ,  
(44) (50) (52) (45)  
.

4

3 ,  
(45) .

[0001] ,  
.

[0002] , (Pipe)  
.  
[0003] ,  
LCD, TFT, OLED ,  
.  
[0004] ,  
.  
[0005] ,  
.  
[0006] , ,  
[0007] 1 (100) (200)  
,  
.  
[0008] , (100) (300) X Z  
(200) Z  
2 .  
[0009] ,  
.  
[0010] ,  
.  
[0011] ,  
.  
[0012] ,  
,  
,  
,  
.  
[0013] ,  
.

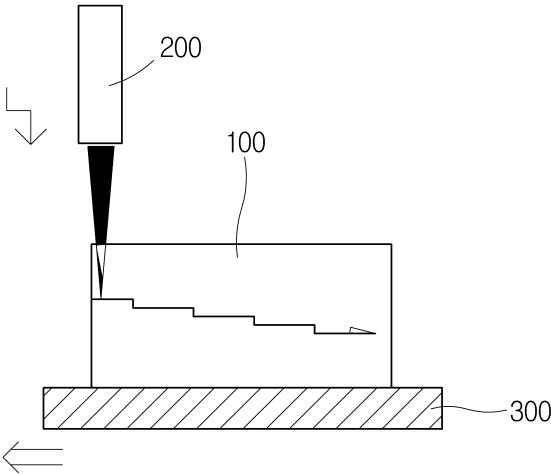
- [0014] , .
- [0015] , 3 , 4 , 5 .
- [0016] (10) (20) (30) , (30) (40) , (40) (50) .
- [0017] (20) , .
- [0018] (20) (30) (32) (34) .
- [0019] , (32) , (34) (40) .
- [0020] (30) (40) (34) (41a) (41) , (34) (42) (43a) (41) (41a) (43b) (43) , (43) (43a) (44a) (41) (44) , (44) (50) (52) (45) .
- [0021] , (40) (50) .
- [0022] , (42) (43) ( ) (43) (42) .
- [0023] (43) (44) , (43) (42) (44) (44a) (43a) , .
- [0024] (44) (50) (52) (45) , (50) .
- [0025] , (45) (44) (52) (44b, 52a) , (52) .
- [0026] , (50) , (52) (40) .
- [0027] (10) , 6 , 7 .
- [0028] , (20) (32) (34) (30) .
- [0029] (34) (41a) (41) , (34) (42) (43a) (41)

|        |       |       |       |      |       |       |       |
|--------|-------|-------|-------|------|-------|-------|-------|
|        | (41a) | (43b) | (43)  | ,    | (43)  | (43a) | (44a) |
|        |       | (41)  |       | ,    | (44)  | (44)  |       |
|        |       | (45)  |       | (40) |       |       |       |
| [0030] |       | (40)  |       |      |       | (52)  | (45)  |
|        |       | (50)  |       | (10) |       |       |       |
| [0031] | ,     | (45)  | ,     | (44) | (52)  |       |       |
|        | (52)  |       |       |      |       |       |       |
| [0032] |       | (50)  |       |      |       |       | (50)  |
|        |       | (40)  |       |      |       |       |       |
| [0033] | ,     | (41)  |       |      | (41a) |       | (41a) |
|        | (43)  | (43b) |       |      |       |       |       |
| [0034] | ,     | (43)  | (42)  |      |       |       |       |
| [0035] |       | (43)  |       | (44) | ,     |       |       |
|        | (44)  | (44a) | (43a) |      |       |       |       |
|        |       |       |       |      |       |       |       |
| [0036] |       | (45)  | (44)  | ,    |       | (52)  | ,     |
|        | (50)  |       |       |      |       |       |       |
| [0037] |       | (50)  |       |      |       |       |       |
|        |       |       |       |      |       |       |       |
| [0038] |       |       | (     | ,    | )     |       |       |
|        |       |       |       |      |       |       |       |
| [0039] |       |       |       |      |       |       |       |
|        |       |       |       |      |       |       |       |
|        |       |       |       |      |       |       |       |
|        |       |       |       |      |       |       |       |
|        |       |       |       |      |       |       |       |
|        |       |       |       |      |       |       |       |
| [0040] | 1     |       |       |      |       |       |       |
| [0041] | 2     |       |       |      |       |       |       |
| [0042] | 3     |       |       |      |       |       |       |
| [0043] | 4     |       |       |      |       |       |       |
| [0044] | 5     |       |       |      |       |       |       |
| [0045] | 6     |       |       |      |       |       |       |
| [0046] | 7     |       |       |      |       |       |       |
| [0047] |       |       |       |      |       |       |       |
| [0048] | 10 :  |       | 20 :  |      |       |       |       |
| [0049] | 30 :  |       | 40 :  |      |       |       |       |
| [0050] | 41 :  |       | 42 :  |      |       |       |       |
| [0051] | 43 :  |       | 44 :  |      |       |       |       |

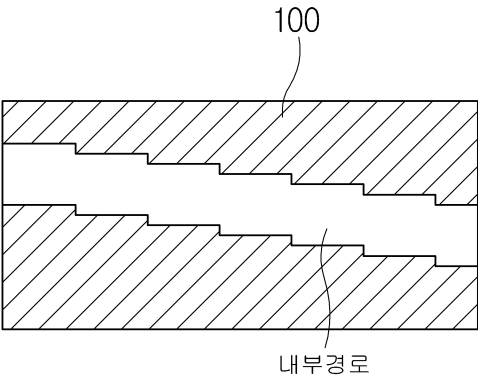
[0052] 45 : , 50 : ,

[0053] 52 : .

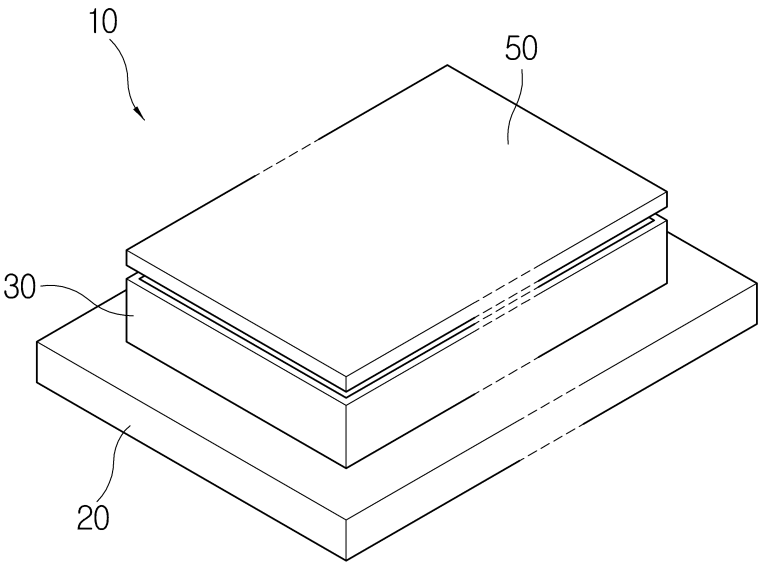
1



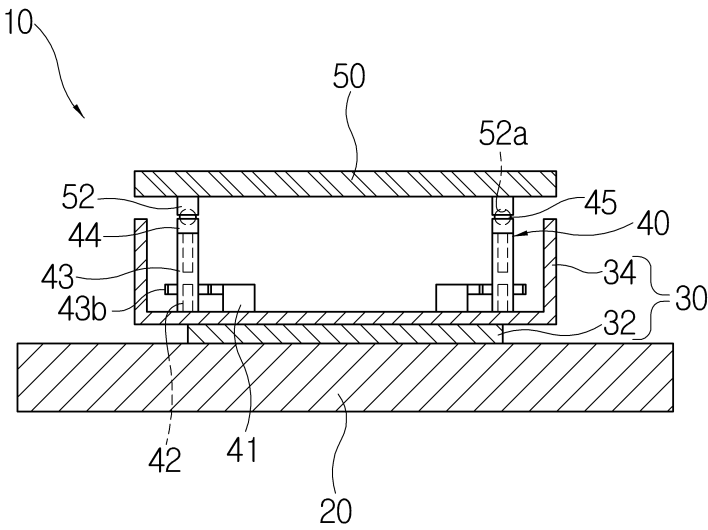
2



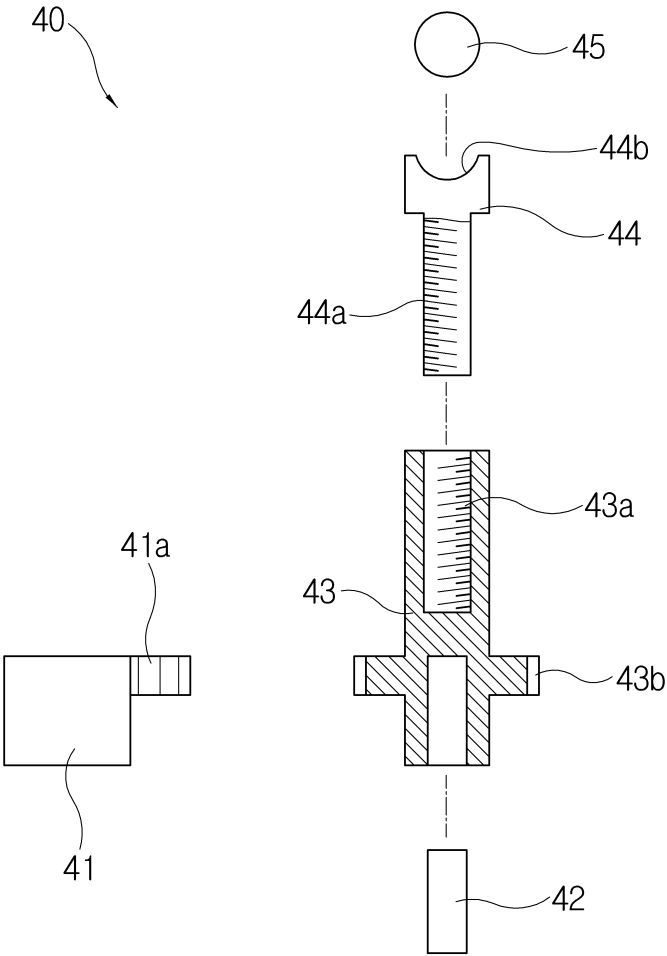
3



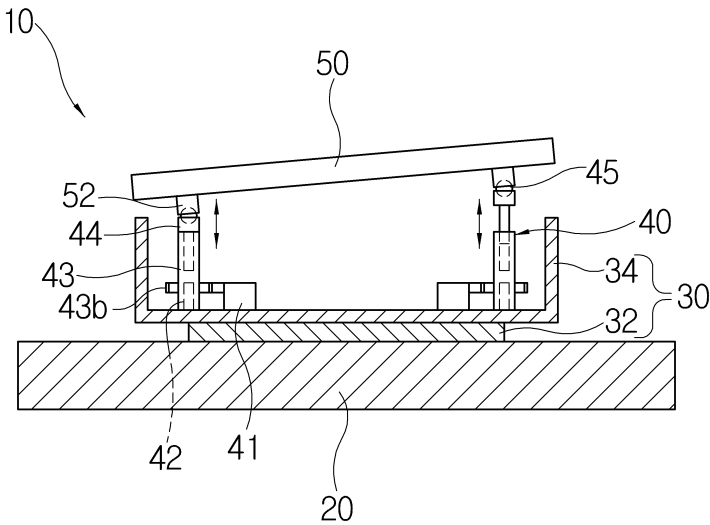
4



5



6



7

