

(D) (3) (1) , (1) (D) / (D)
(3) (5) , (1)
(7)

(9) , (9) (1) (D)
(13) , (13) (11) , (11)
(15) (17) , (15) (15)
(17) (17) (17)
(1) 가 (19) .

0) , 가 (19) 2 4 (1) (20) , (2)
(17) (17a) , (21a)가 (21) (21)
(20) (21) (21) (23)

(D) / (31) , (31) 가
(33)가 (7)가 (33) , (31)
(33) (33)
가 (35a)(35b) , (33) 가 (35a)(35b) (33)
(37a)(37b)

(41) (D) /

(41) (5)
(Flexible Printed Circuit) (45) (33)가 (31)
가 (43)

(33) , (33) (31) 가
(31) (3) (D) (33)

(33)가 (33) 가 (41) (43)
(33) 가 (43) (33) 가 (43)
(3)가 (D)가 .

(D)가 (D) (1) (1) (D)
가 / . , (1) (D) / (D)
(D)

(1) (9)가 (9)
(11) (13) (13) (11)

(17)가 (15)가 (17) (15) (17)가 (17)가
 (19)가 (1) (17a) (21) (21a) 가
 (1) 2 가 (17) (1)
 (9) (17) (1) (17a) (Lead angle)() 가
 (17) (17) 가 (19) 가 가
 (19) (1) 가 (19) 가
 F가 5 (Free - body - diagram) 가 (19) (17)
 F R1 R2가 (21) A B F
 A B X (17) ()
 가 A B X Y Y
 (19) (21) Y Y
 Y 1

1

$$\Sigma R_y : R_1 \sin(\alpha) + R_2 \sin(\alpha) = F \sin(\alpha)$$

1 가 (19) (21)가 (21)가
 (21) (21a) (17) (17a)
 가 (19) (17) 6 (a) ()
 21)가 6 (b) (19) 6 (c) (17) (21)
 (19) (17) (21) (17) 가
 가 (19) (17) 7 (a) ()
 21)가 7 (b) (19) 7 (c) (17) (21)
 (17) (17a) (21) 가 가 (21) (21a)가
 (9)
 (19) (17) 가 가 가 (19) 가
 (9) (19)가 (17)

(1)

9) , (1) (1) (가 (19) 가

가 , 가 가

가 , 가 (Lead angle)

8 , 10 , 12 , 11 , 9 (a)(b) (b)가

8 10 (1 9) , (9) (51) (53) , 가 (55) (53) , 가 (53) (53a) (55) (51) (56) , (56) (57) (57) (53) (57a)가 ()

(11) (9) (1 13) , (13) (1 15) (53) , 가 (55) (56) (53) (57) ()

가 (55) (56) (57) (57) (59)

(9)가 (9) (11) (13)
 (13) (11) (15)

(53)가 (15)가 (15) (53)가 (53)가
 (55)가 (51) (53a) (57) (57a) 가

(51) (53) (51)
 2 가

(53) 가 (55)가 가 (55)
 (53)

11 가 (55) (53) F가 F
 R1 R2가 (57) A B F
 A B X'

가 (55) (57)가 (53) (53) ()
 가 (55) (57)가
 A B $F_x = 0$ 2

2

$$R_1 = R_2 = 0.5F$$

가 (55) X' (51) Y'

12 (a) (b) 가 (51) 가 (55) (53)
 가 (55) (57)

a) 가 (55) (57)가 12 (c) (57) (57)
 (53) (53a) 가 (55) (57)

가 (55) (51)

5) 가 (55) (57)가 (53) 가 (5)
 가 (55) (9)

(CD - RW), (DVD - RAM) (51)
 (51)

(51)

(57)

1.

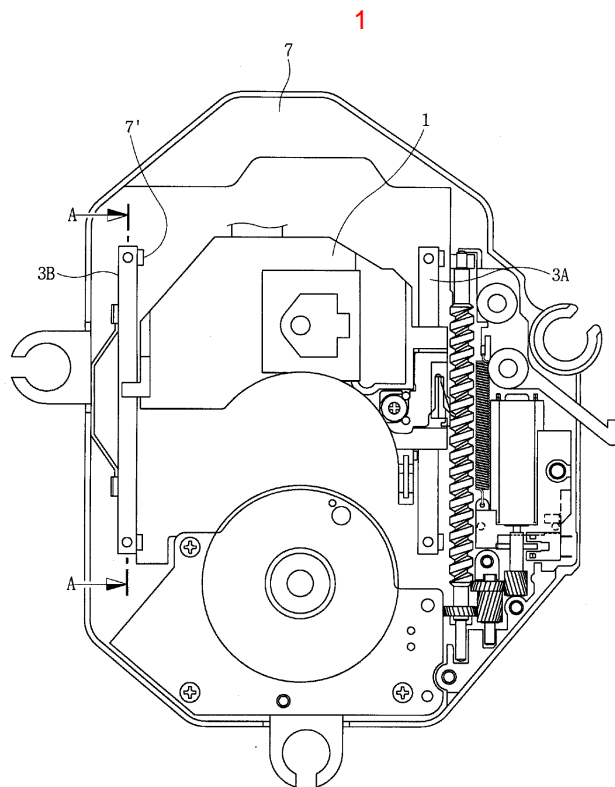
가

가
가

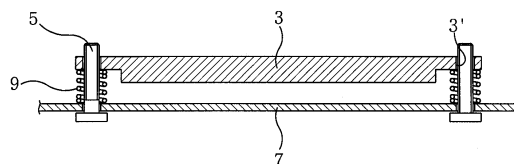
(Lead angle)

2.

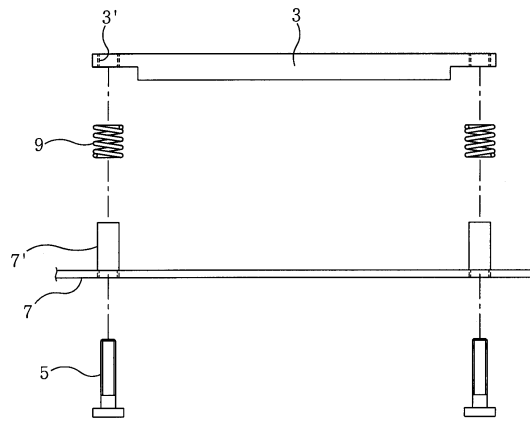
1



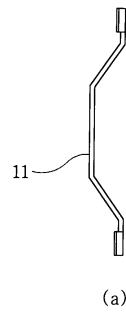
2



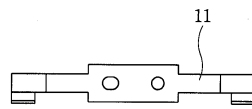
3



4

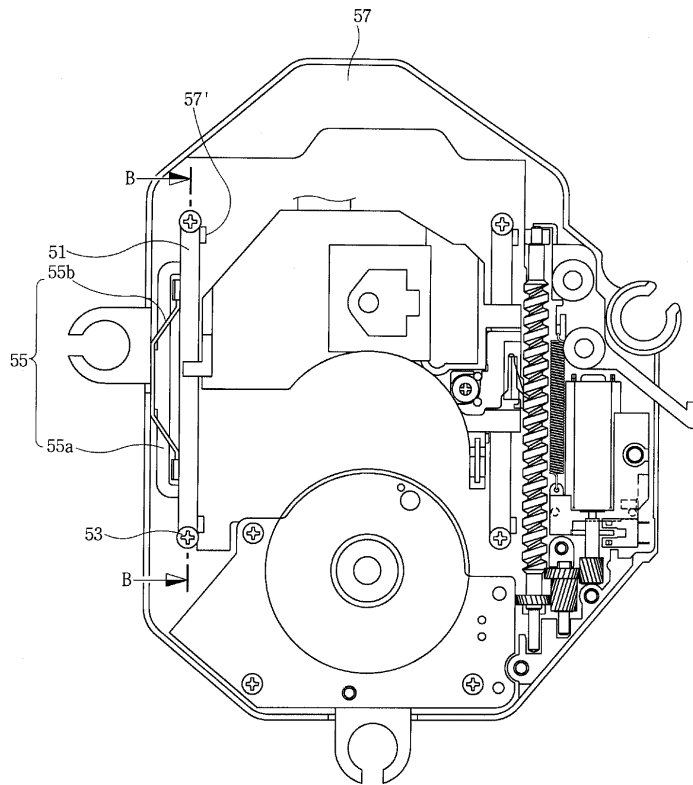


(a)

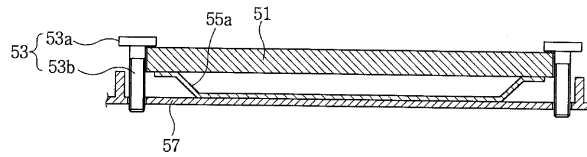


(b)

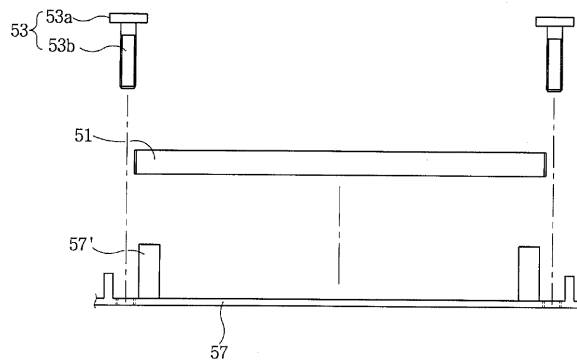
5



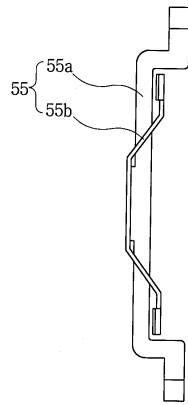
6



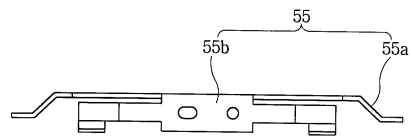
7



8



(a)



(b)