

(19)  
(12)

(KR)  
(B1)

(51) 。 Int. Cl.7  
G01N 29/10

(45)  
(11)  
(24)

2003 10 08  
10-0400681  
2003 09 23

(21) 10-2000-0016113  
(22) 2000 03 29

(65)  
(43)

2001-0093476  
2001 10 29

(73) 174-1

(72) 148 307 203

(74)  
:

(54)

, , 가 , , 가 .

1

, , , ,

1 ,  
2 ,  
3 ,  
4 , , ,



가

2400RPM

IRIS900

가

가

가

( )

가 가

가 가

가

가

가

가

, 2

2

가

가

가

가

1

, 100

(T)

(T)

(190)

200

가

(100)

(190)

(190)

(100)

(191)

(190)

가

(191)

(400)

300

(190)

(100)

400

(100)

(100)

/ (410) ,

/ (410)

(420) ,

(420)

가

(430) ,

(430)

(440) ,

(430)

(450) ,

(430)

(460)

(430)



8 (120) (110) (11  
 2) (121)가 (130) (122)가 (160)  
 3 (161)가 (160)가 (161)  
 가 (160) 가 (150)  
 (180)가 (100) (180) (B) (T) 90°가  
 (120) (180) 10  
 (121)(122) (121)(122) , 180° (123)  
 (160) (180)  
 11 (130) (120) (141)가  
 (140) (132)가 (130)  
 (191) (180)  
 12 (140) (140) (140) (190) (1)  
 00) (190) (130) (141) (190)  
 (142)가 (142) (143) (190)  
 (T) (100) ( ) 가  
 (143) 가  
 (190) (160)  
 (161) ( 3kfg/cm<sup>2</sup> ) 가 (150) (156) (160)  
 (150)가 (112) (190) (191)  
 (400) (180) (180)가 (180)가 (B)  
 (100) (B) 가 45° (156) (T) (B)  
 (B)  
 2 , L1 (T) , L2 (T1)  
 / 10,000 (150) (112) (1  
 10) (150) (5000RPM) (T) (171)가 (171)  
 (100) (190) (T)  
 (110) (170)  
 13 (200) (205) (190) (190)  
 (200) (201)  
 (191) (201) 가 (19)  
 (203) (204)  
 14 (300) (300)  
 (B)  
 가 (307) (309)  
 (301) (301) (302)가 (307)  
 (302) (306) (200)  
 (301) (304) (309) (311) 가 (303)  
 (308) (304) (305) (312) 가 가  
 (302) 가 가 (309)  
 (304) (311) 가 가 (309) (3  
 08) 가  
 (300) 가  
 (306) (100)  
 (300) (301)

(302)가 (304)(309) (302) (304)(309) 가 (301) (311) ,  
 , 15 (100) , 15 16a,b  
 (T) (b) (150) (a) (100) (190)  
 : 25.4mm, :19.46mm, :2.77mm 가 ,  
 (150) RPM:5,200(86.6RPS)  
 : 6,200Hz(PRF)  
 : 100m/sec

1) (a)  
 $= (RPS \ R)/PRF = (86.6 \times 19.46 \times 3.14)/6200 = 0.853mm$   
 100%(1point 1mm )

2) (b)  
 $= /RPS = (100mm/sec)/86.6RPS = 1.154$   
 $= 1/1.154 = 86.6\%$  ( 1mm )

) 가 , / 가 (150) (150) (5000RPM / )  
 , 10,000 가 / 가 , 100m  
 m , 가 가 100% , 100m  
 16a,b (100) (100) (150) , (B)  
 (a) (b)

, 가 (V) (400) (440) (170) (15-1) (170) ,  
 (15-2) (150) 가 (15-2) ( )  
 100) 가

, (T)  
 16a , 0mm(15-3) 가 ,  
 (15-4) (T)  
 , 15-3 15-5가 (T) , 15-3 15-4 가 (170) (15-1) (15-  
 (170) (15-6) (T) , 1  
 1) 가

, 가  
 / , ,  
 가 , ,  
 , ,  
 , 가

1.

(100) , 가 (100)  
 , (100)  
 (200) , (300) , (100)  
 ) (100) (400)  
 , (100) , (111) (111) , (120)  
 (112) , (170) (110);  
 가 (152) , (152)  
 (157) , 2 (112) (158) 2 (153) (112)  
 (154) , (156)  
 (110) (150); 가  
 (110) , (190) (160);  
 (161) (110) (130) (121)(122) ,  
 (160) (180) , (123)가  
 (120); (140)  
 (120) 가 , (190) , (180)  
 (191) (130) (130);  
 (110), (120) (130) , (192)  
 (193);

2.

3.

1 (110), (120) (130) 90°  
 (110a) , (110b)

4.

5.

6.

7.

8.

1 (157) 45° (157b) ,  
 (157a)

9.

1 (170) 90° 가 (157) (171)

10.

1 (170) (110) (111) (150)

11.

12.

13.

1 ,

(130)  
(143)

(190)

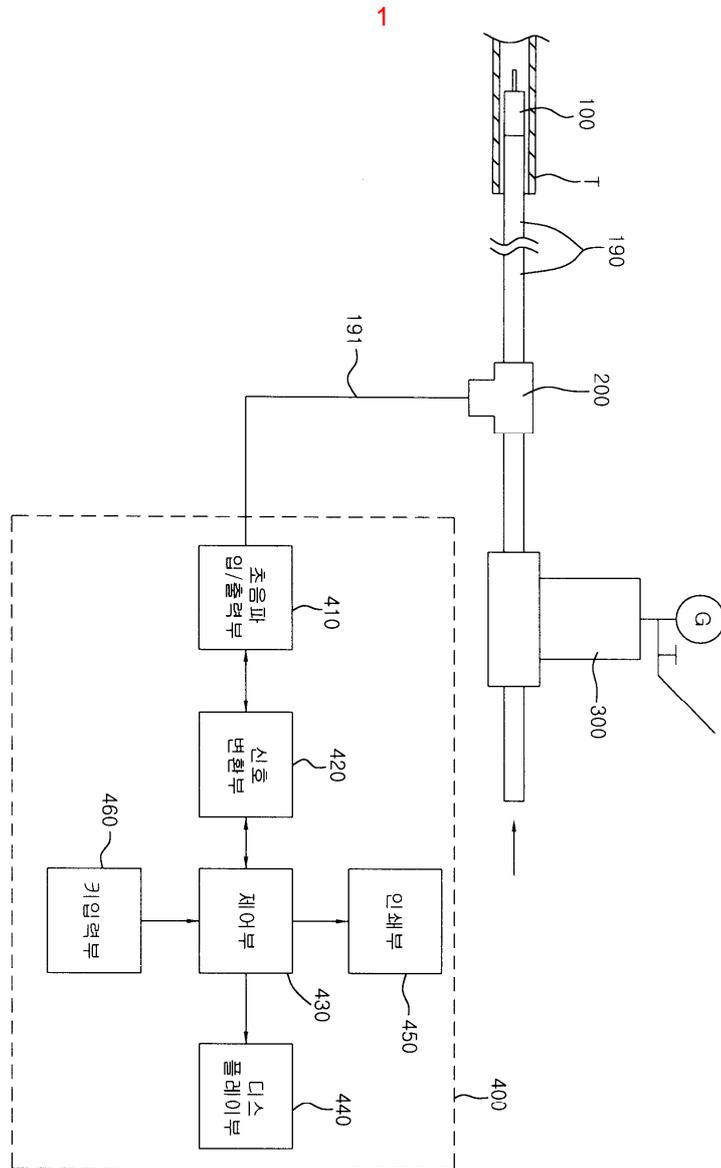
(140)

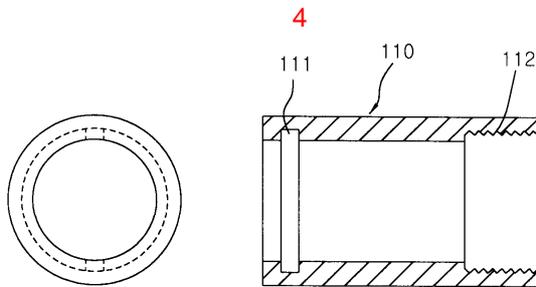
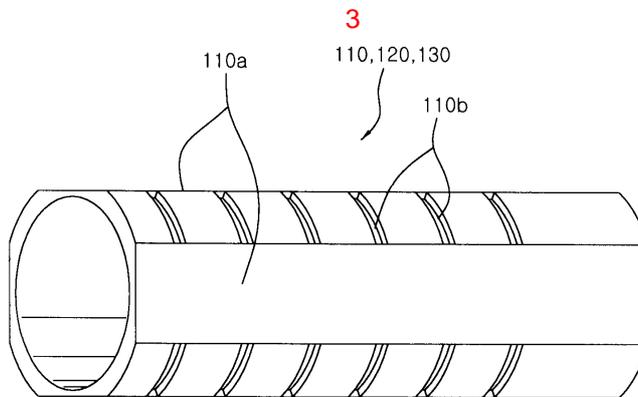
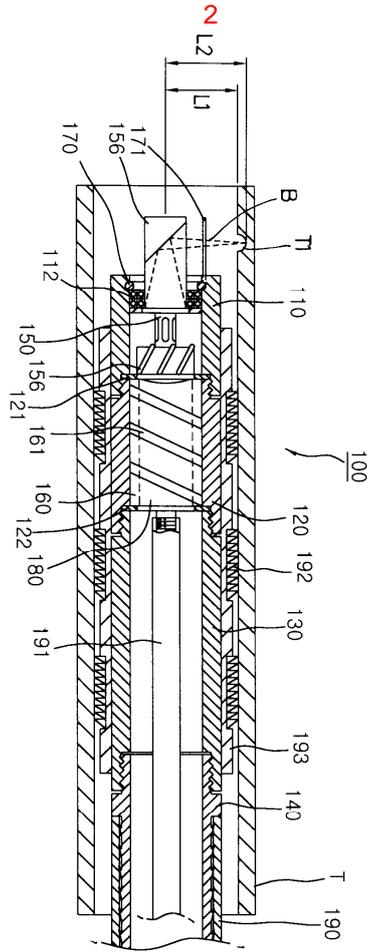
(130)  
(142)

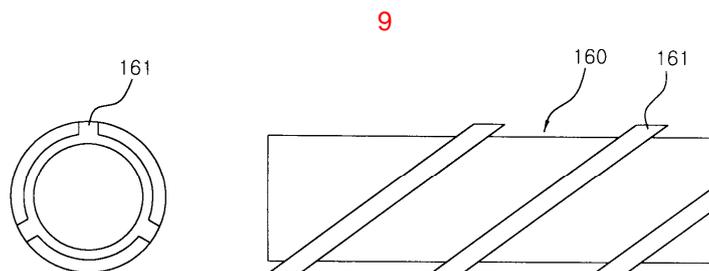
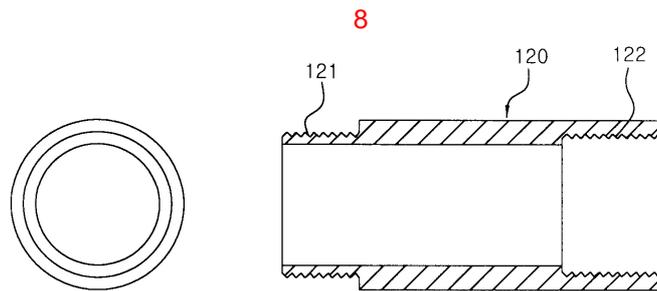
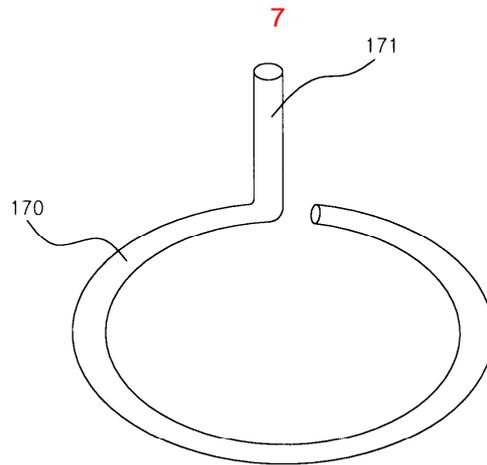
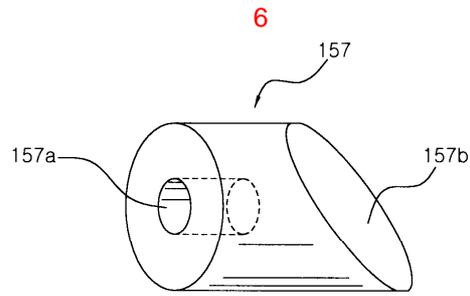
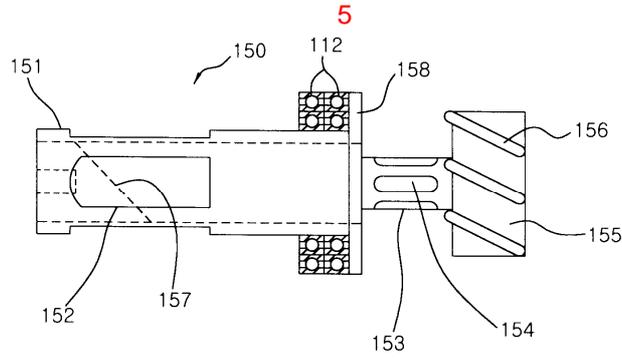
(141) ,

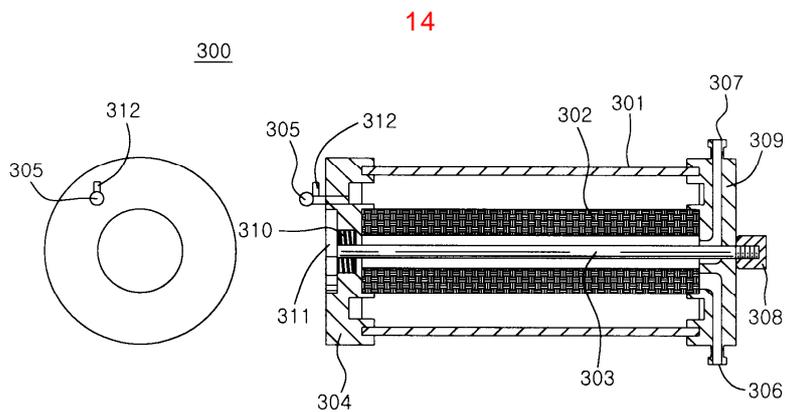
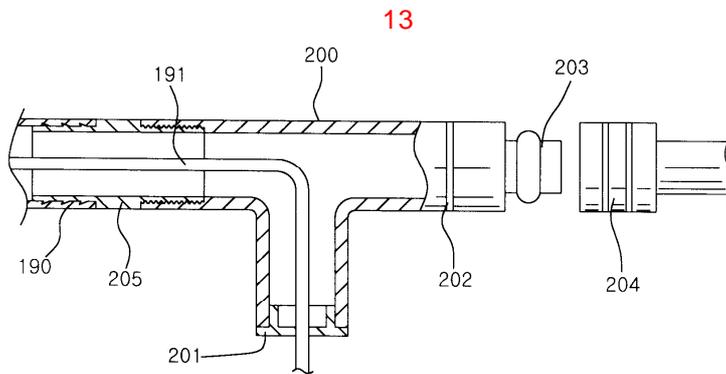
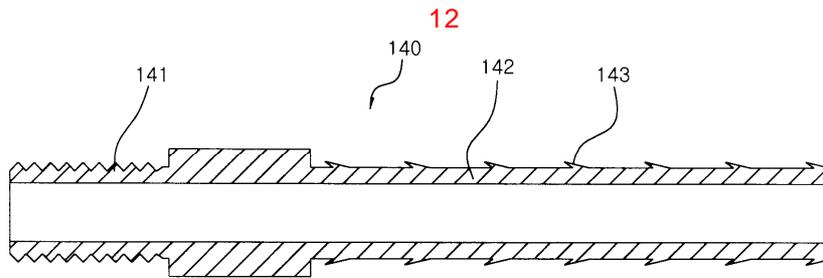
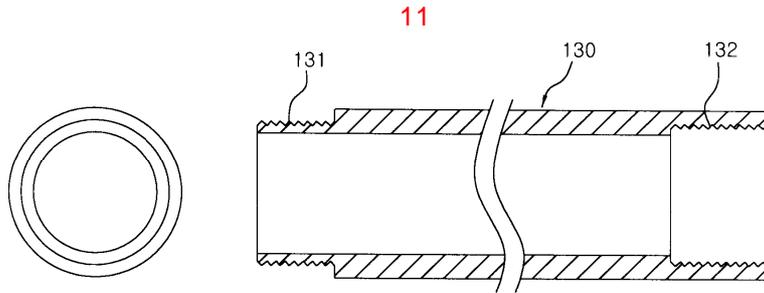
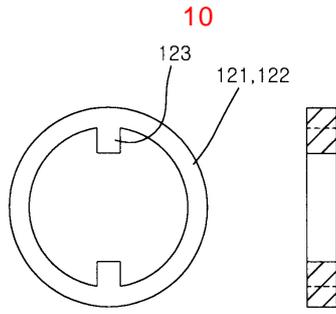
14.

15.

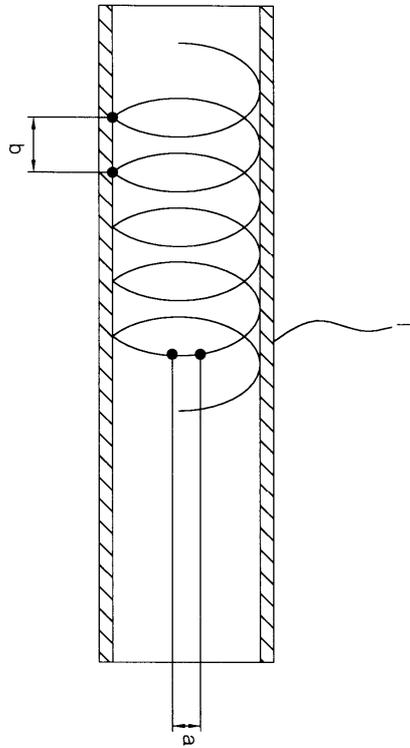
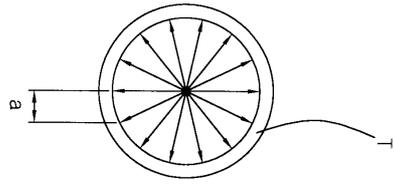




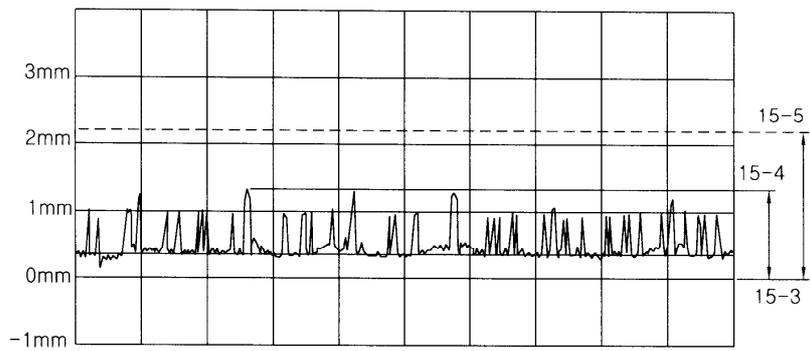




15



16a



16b

