

(19) (KR)
 (12) (A)

(51) . Int. Cl.⁷
 G11B 21/21

(11)
 (43)

10-2004-0111230
 2004 12 31

(21) 10-2004-0092225
 (22) 2004 11 12

(30) 10/823,930 2004 04 14 (US)

(71) (. .) 38-42

(72) 5 가 70

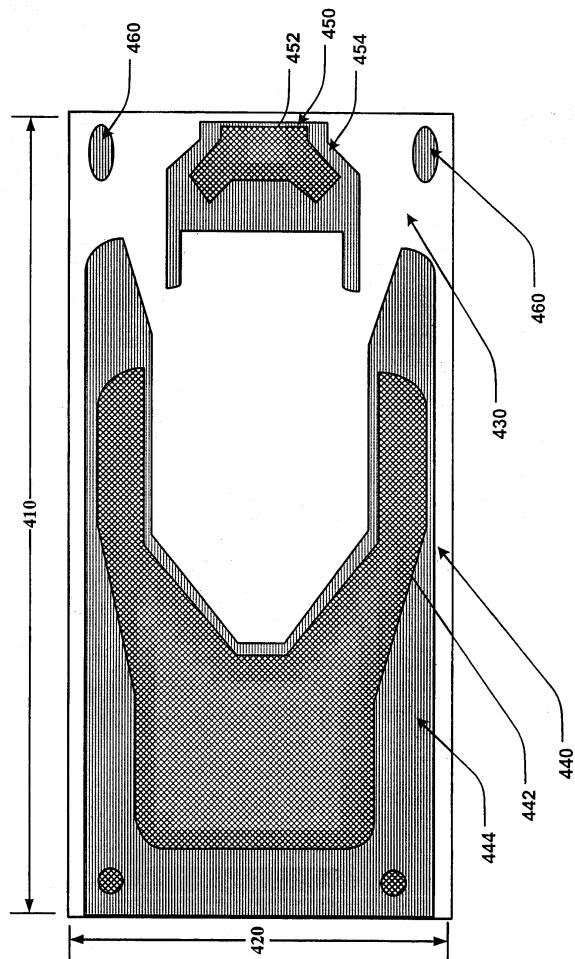
가
 1 12

94583, 9688

(74)

(54)

2	0.23 mm	. .	1.0 mm	가	2- 0.85 mm	. .
			-	-	U	
		2-			가	



1 /

2

3a-b

FEMTO

PICO

4

5a-b

PICO

PICO

FEMTO

ly). (gimbal assembly)

0.23 mm	2	1.0 mm (ABS)	2-	0.85 mm 2- U
4	420	0.23 mm (0.85 mm))	3.0 mm 410, 1.0 mm FEM
TO	420	0.23 mm (0.85 mm)	PICO 가	1.235 mm FEMTO ABS 410, 0.7 mm 410 0.85
mm	410	ABS 430 가	410	1.25 mm
442	U	440 ABS 430 442 가	444	ABS 430 440 450 ABS 430 452 450 ABS 452
	460	454 2- ABS	454	450 460
2	PSA)	ABS , ABS , ABS (pitch torque) (main source) FEMTO	/	가 가 가 (pitch - static - attitude, 5a-b FEMTO
	PICO	PICO	5b	FEMTO 5a
	PICO		가	
ly)				(gimbal assemb

(57)

1.

1.0 mm , 0.85 mm

가

2.
1 0.23 mm

3.

1 , 1.235 mm 0.7 mm

4.

1 , 3.0 mm

5.

1 , - 가 가 - U

6.

5 , U 2 , -

7.

1 , - 가 가 -

8.

7 , ; 2 , -
가 2

9.

; 1.0 mm , 0.85 mm 가 ;

10.

9 , 0.23 mm

11.

9 , 1.235 mm 0.7 mm

12.

9 , 3.0 mm

13.

9 , - 가 가 - U

14.

13 , U 2 , -

15.

9 , - 가 가 -

16.

15

2

가

2

17.

1.0 mm

0.85 mm

18.

17

0.23 mm

19.

17

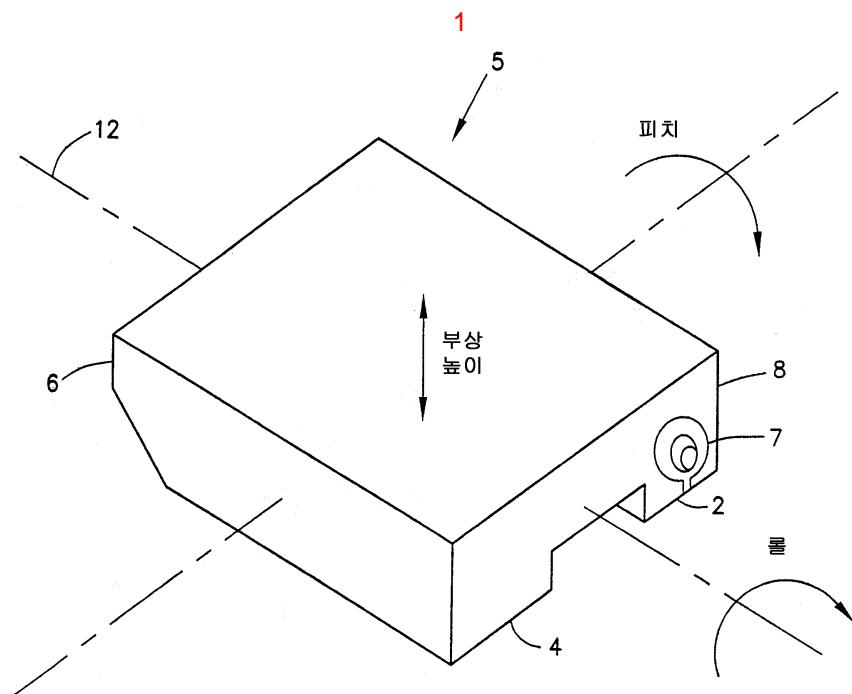
1.235 mm

0.7 mm

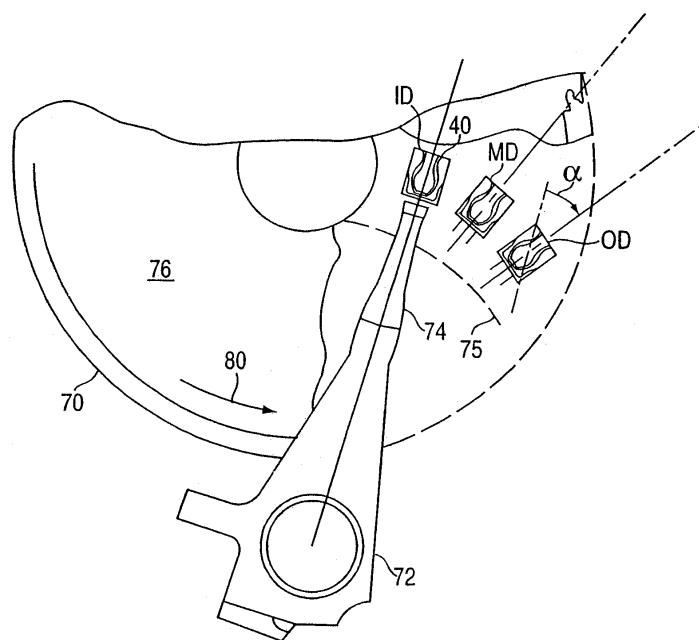
20.

17

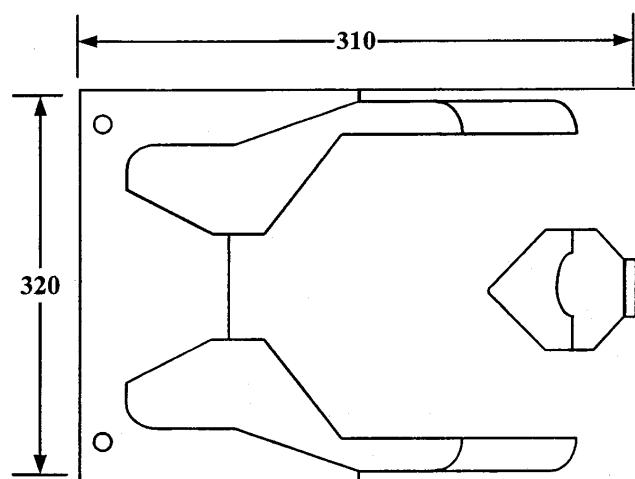
3.0 mm



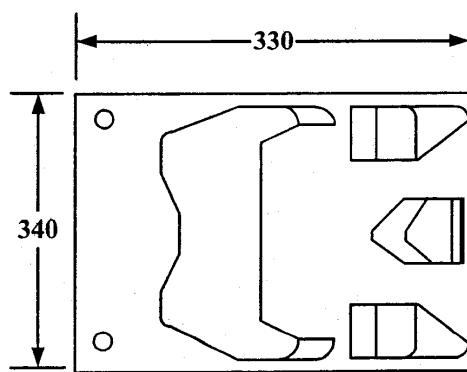
2

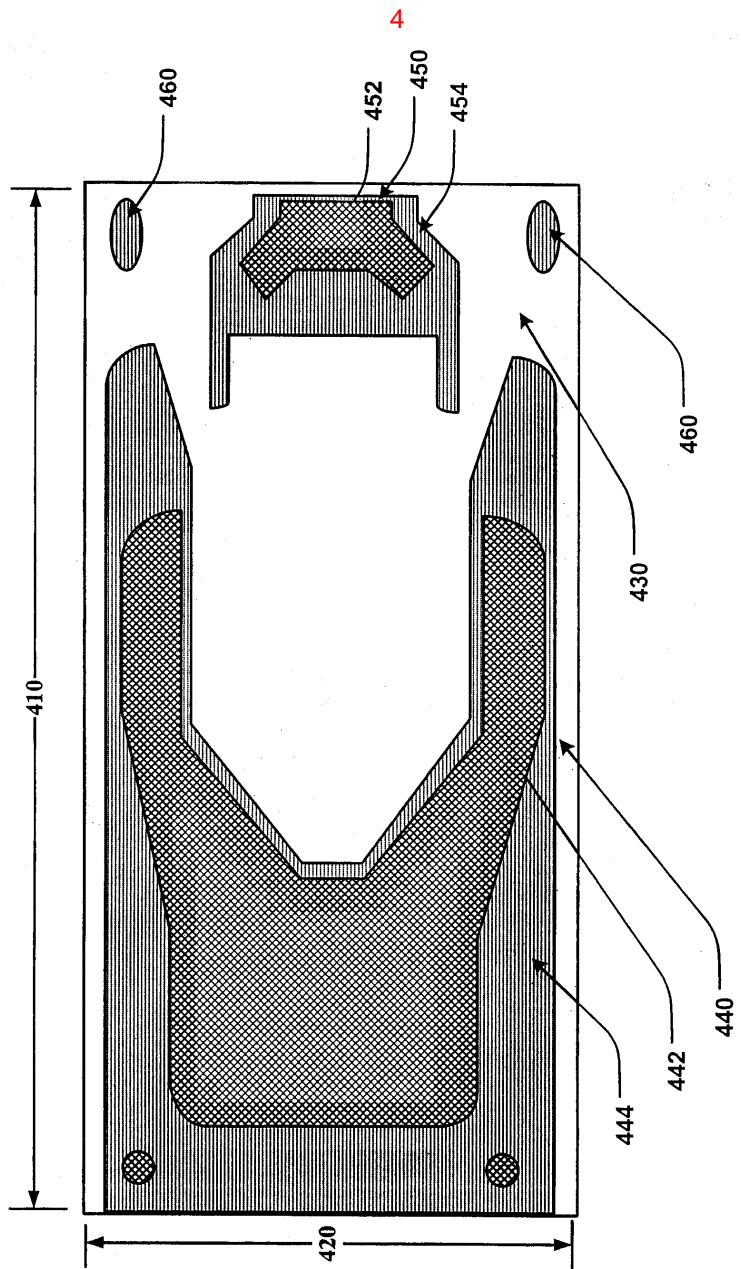


3a



3b





전고성 하중 (G)	높이 (NM)	표적(uRAD)	률(uRAD)
P- 토크 (uN-M)	103%	99%	15%
R- 토크 (uN-M)	98%	102%	103%
	108%	41%	50%

전고성 하중 (G)	높이 (NM)	표적(uRAD)	률(uRAD)
P- 토크 (uN-M)	97%	48%	155%
R- 토크 (uN-M)	46%	36%	-126%
	282%	-58%	70%