

(19) (KR)  
(12) (B1)

(51) 。 Int. Cl. 7	(45)	2003 05 22
G01N 21/86	(11)	10-0384701
	(24)	2003 05 07

(21)	10-2000-0036913	(65)	2002-0002674
(22)	2000 06 30	(43)	2002 01 10

(73) 134

(72) 700 3-501

478-16 305

3 287-16

(74)

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(54) 가

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가 가 가 (SEM)

가

;

가 (10) ; 가 , (40);

가 (70)

2

,

- 1
- 2
- 3
- 4
- 5
- 6
- 7

10 : 20 :  
40 : 41 :  
42 : 44 :  
45 : 46 :  
46a : 46b :  
47 : 50 :  
60 : 70 :  
80 : 90 :

가

가  
(SEM, Scanning Electron Microscopy)

2

[illegible]



, (45) (41) (20) (40)가 (80) , (46) (45) (45) (90)  
 , (45) (40) , (41) (80) (40)  
 , (80) (45) (20) (40) Y  
 X 가 (42)가 (41) (20) Z ( )  
 가 (42) (46) (45) 가  
 (46) (90)가 (20) (45) 90 °  
 가 3 (45) (46) (47) (47)  
 (45) (45) (90) (20) (45) (20) (90)  
 3 (45) (90) (20) 가 (45)  
 ) (44) (46) (90) (20) (90) (20) (45)  
 (46) (46) (42)가 (40)가 X, Y, Z 가 (46) (90) 가  
 가 (20) (45) 90 ° (47) (60)  
 , (40) (50) (20) 가 (20)  
 (dead weight) 3 (20) (45) 가 (dead weight) (20)  
 (40) (46) (47) (46a) (47) (50)  
 , (60) 4 10g (46a) (90)가 30 ° (40) (46)  
 가 (20)  
 , 가 5 가 2.1092  
 4 5 (dead weight) 가

		dead weight	
		2.04g	0.3RPM(200m/s)

1 40 (50) (72) , (71) .

가 가 , 가 , 가 .

(57)

1. 가 ;

가 (90) (10) (20) (10) ; (45) 가 (41) (10) (60) (40) ; (70)

가 .

2.

1 , (40) (41) , (44) (46) , (46) (42) , (42) (46a) , 가 (47)

3.

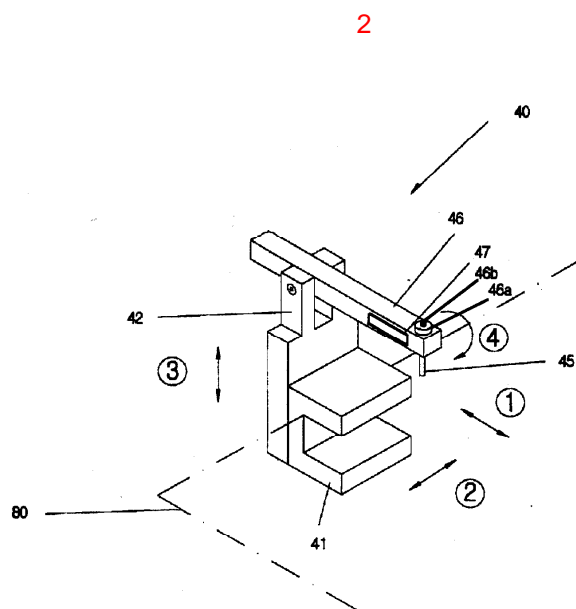
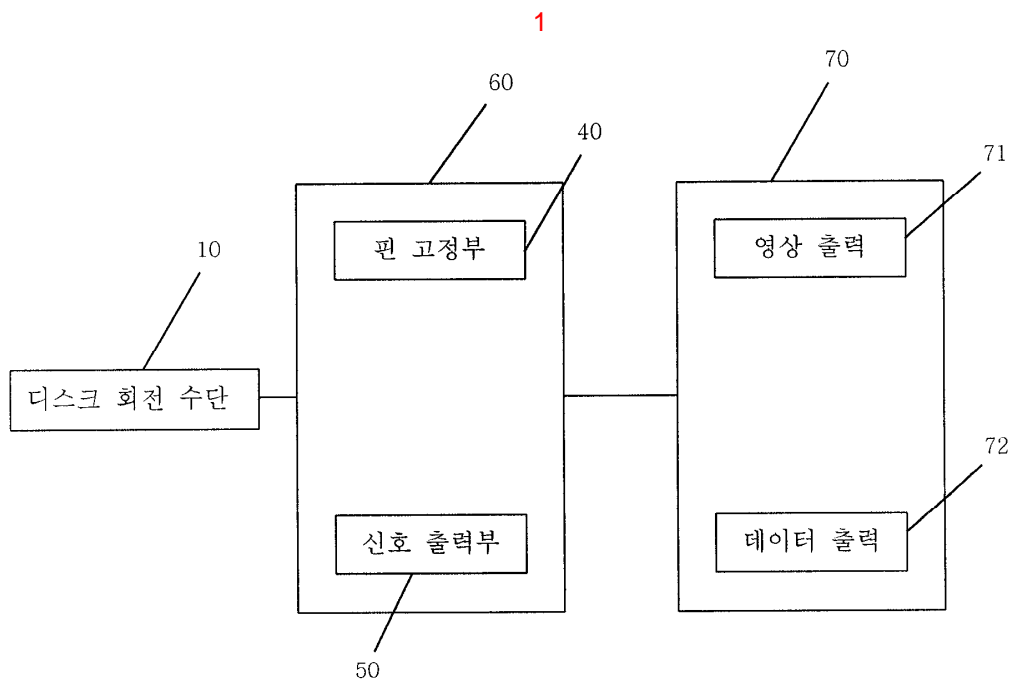
1 , 3 (90) (20) 가 .

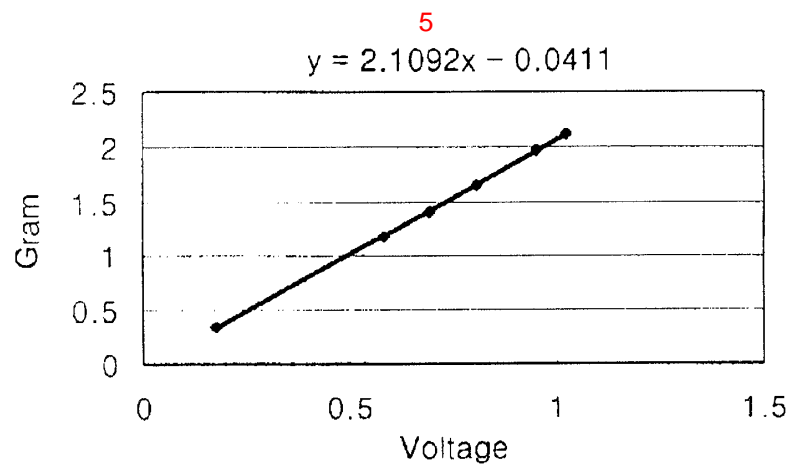
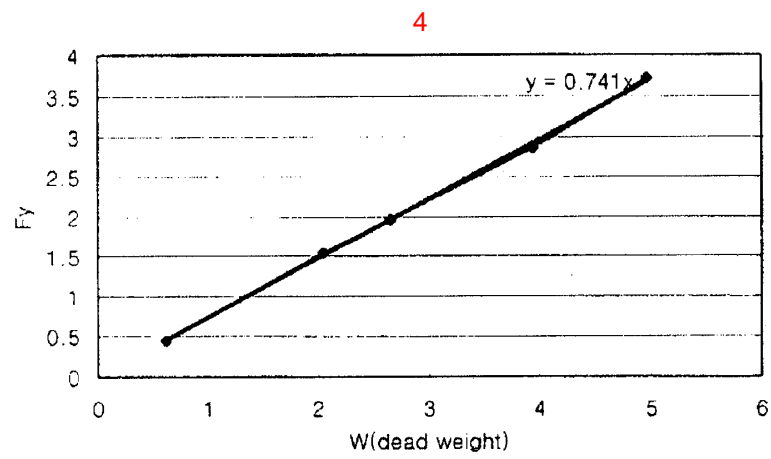
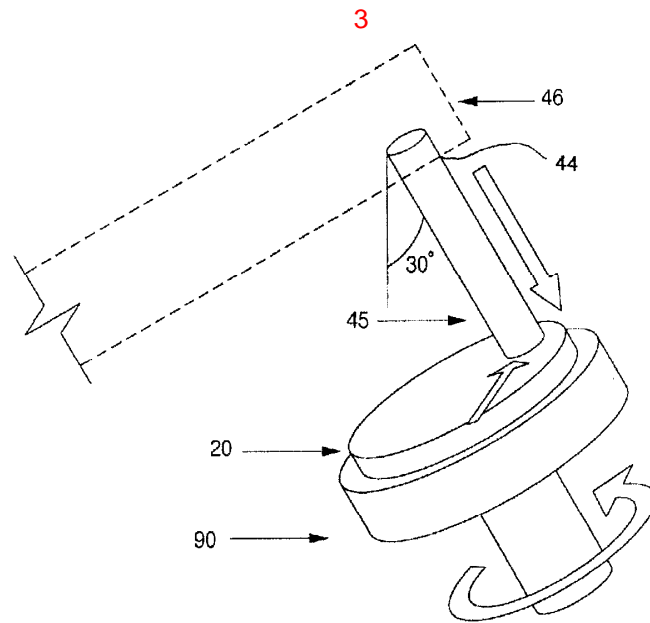
4.

1 , (10) 60 : 1, 0.01RPM 가 .

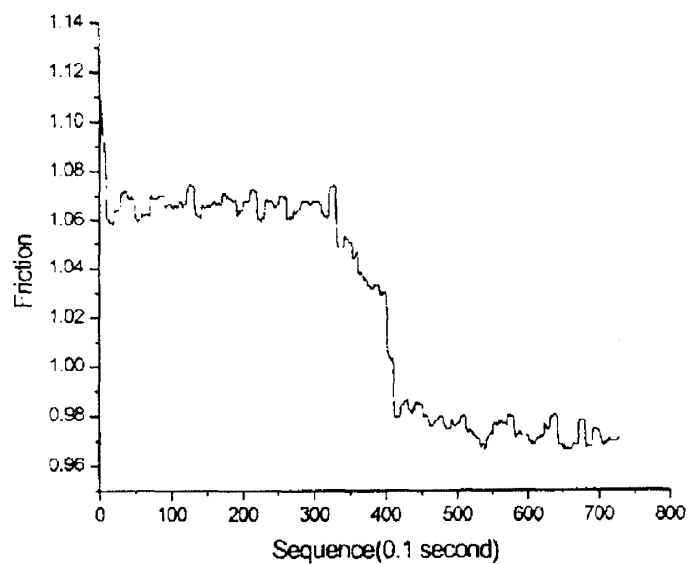
5.

1 , (45) (20) 가 .





6



7

