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(24)

2004 02 14  
10-0418278  
2004 01 30

(21) 10-2003-0023000  
(22) 2003 04 11

(65)  
(43)

(73)

가 345-9

B-611

(72)

179-3

A-301

(74)

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(54)

가  
가  
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가

가

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가

가

1

1

2  
 3  
 4  
 5  
 6a 6b 1 2  
 7a 7b 1 2  
 8

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2 : 4 :  
 6 : 21 :  
 22 : 24 :  
 26 : 3 28 : 2  
 29, 46 : 42 :  
 43 : 1 44 :  
 45 : 1 47 : 1  
 48 : 1 62 :  
 63 : 5 64 :  
 65 : 2 66 : 2  
 67 : 2 68 : 3  
 70a, 70b : 71 :  
 72 : 440, 650 :  
 450, 650 : 430, 660 :  
 431, 661 :

(Chemical-Mechanical Polishing Applications :

(Layering  
 CMP )

(CMP)

가

8

(2') , (2') (1') , (1') 가  
 (3') , (3') (5', 4')  
 (1') (6') , (2') (1') ( )  
 (2') (7')  
 (1') , 가 (1a') (1')  
 (2') 1 2 (1d', 1e') (1b', 1c')가 (1')  
 (2') (1') 가 가 (2')



7a 7b 1 2

(2) (4) (4)

(6) (4) (4)

4) (4) 2 (6) (66) 1 (43) (2)

(22) (2) (4) (24) (22) (4) 1

(43) 2, 3 (26) (24) 8 (2)

(4) (6) (24) (42)

(44)가 (44) (42)

(440) (2) (22) 1 (48) (44) (100)

(4) 4 (44) (41) (300)가

(44) (6) 12 (440) (42) (64)가 (64)

360° (62)가

(300)가 2 (66) 4 5 (61)(63) (640)

(64) 가

1 (45) (2) 2 3 (28)(26) 1 (43)

(66) 1 (65) (6) 4 5 (61)(63) 2

(43)(662) (431)(661) (432)(662)

(433)(662) (430)(660) (431)(661)

(45)(65)

(661) 1 (43) (431) (4) 2 (66)

(4)

1 2 7a 7b

(660b) (43a) (430a) (431a) 2 (66b)

(661b)

(4) (6) 1 (43)

(4) 1 (45) (6) 2 (6)

5) 1 2 (45)(65) 6a 6b (6) (640)

가 (2) (24) (450)(650)

5) 4 (650) 1 (45) 6 (450) 2 (6)

(6) (4) (2)

(45)(65) (640)가 (450)(650) (440) (24)

(6) (62) (2) (24)

(4) (440) 2 (65) 1 (45) (450)(650)

가 (2)

2 3 (2) 1 (43) 1 (45)

(28)(26) (45) (450) (24)

(6) (6) 2 (66) 2 (65) 4

5 (61)(63)

, 2 (65) (650) (640) (2) (22)  
 (4)  
 0) (4) (42) (6) (640) 2 (65) (65)  
 (4) (4) (67) 1 (47) (4)  
 (300)가 (6) (A) (4) (100)가  
 (4) (44) (62) (64) (200)가  
 (300) (6) (4) (4) (2) (100)가  
 가 (640) (650), (440), (2) 가  
 가 (6) (2) (300)가 (4)  
 (450,650), (440), (24) (640),  
 (640), (450,650), (440), (24) 가  
 (650) 2 (65) 1 (650) (4) (440)  
 (45) (450) (2) (24)  
 (6) (64) 가 (4)  
 (44)  
 1 2 1 (43) 2 (66)  
 (43)(66) (431)(661) 2  
 1 2 (43)(66) (431)(661) 가  
 가  
 가

(57)

1. (100) (200)  
 (22) 가 (24) (2) ; (100)가  
 (42) 가 (2) (22) (4) ; (200)가  
 (300)가 (62)가 (4) (42) (200)가  
 (6) ; (2) (6) (4)  
 (43)(66) ;

2. (2) (22) (24) (4)  
 1 (43) 2, 3 (28)(26)

3. (4) (44)가 (48)  
 (44) (42) (440) (2) (22) 1

4. (6) (64)가 (64)

360 °

(300)가 , 2 (66) 4 5 (61)(63) (62)가 ,  
 (62) (640)

**5.**

1 , (2) 2 3 (28)(26) 1 (43)  
 1 (45) , (6) 4 5 (61)(63) 2  
 (66) 2 (65)

**6.**

5 , (43) 2 (66) (432)(662) (433)(  
 662) , (431)(661) (430)(660) ,  
 1 (43) (2) 2 (66)

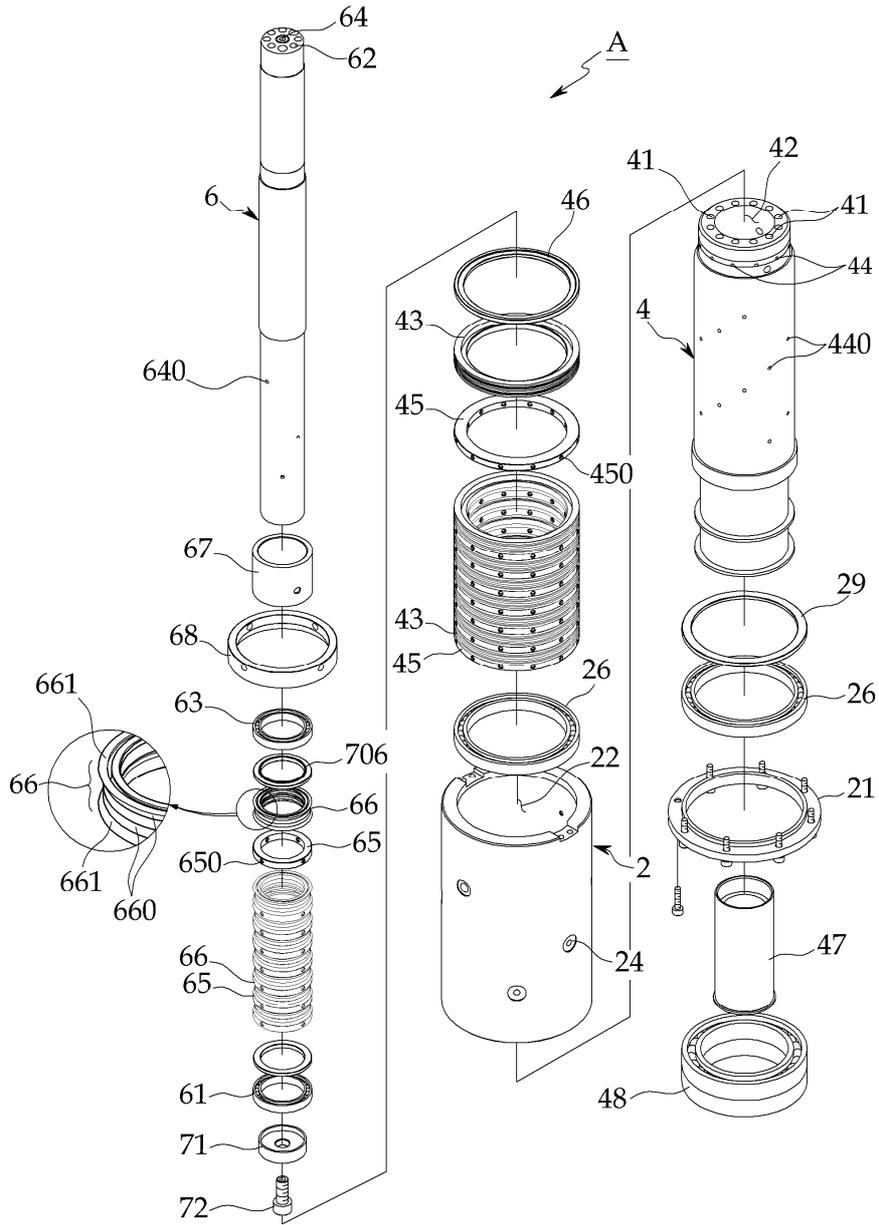
**7.**

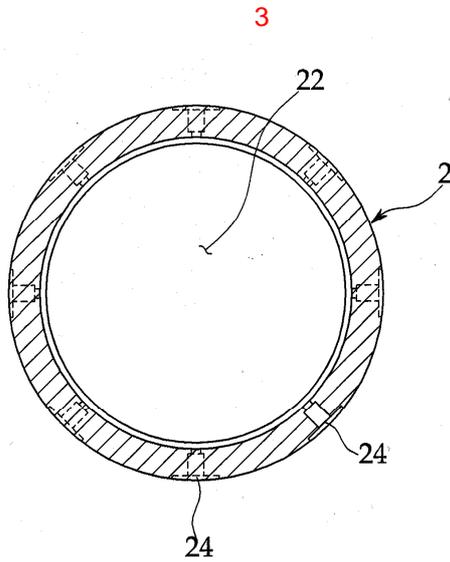
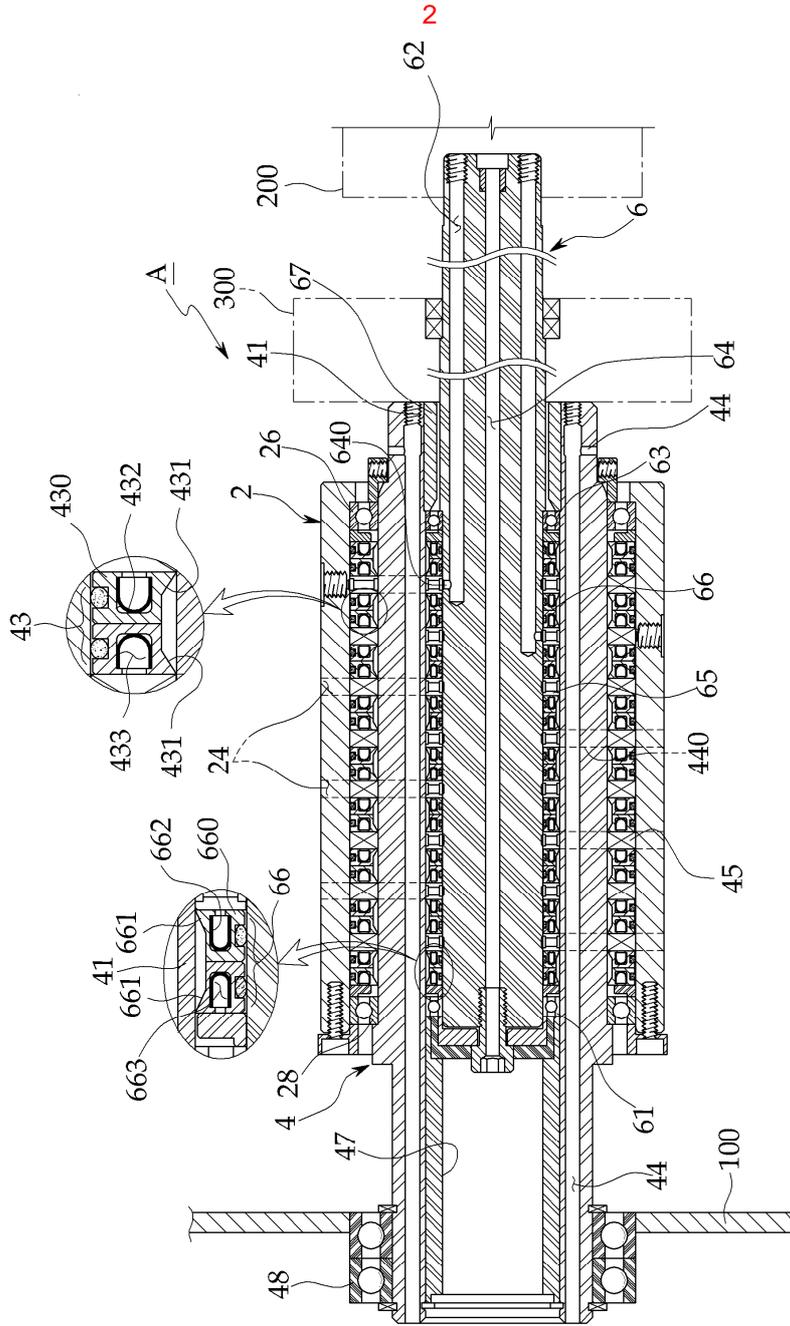
5 , (43a) (430a) (431a) , 2 (66  
 b) (660b) (661b) ,  
 1 (43a) (2) 2 (66b)

**8.**

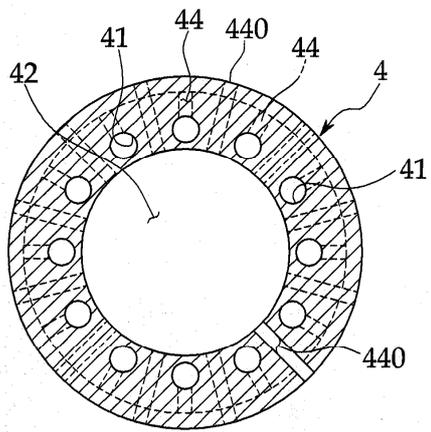
5 , (45)(65) (450)(650) , (300)  
 1 2 (4) (2) (100)가 (64  
 0) (6) (440), (24) (6) (640)  
 가 (450)(650), (450)(650) (2) (24)

1

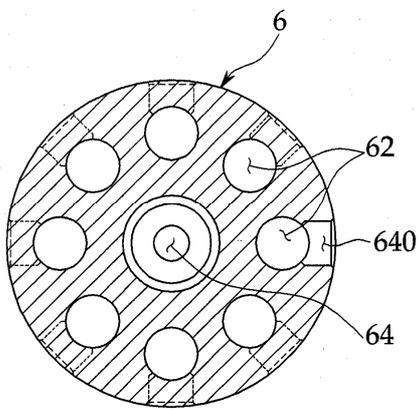




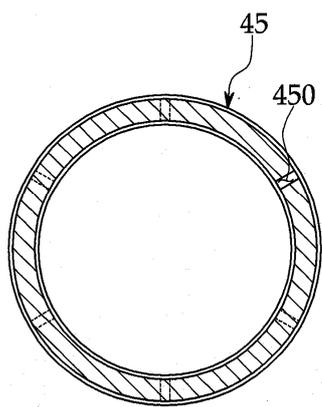
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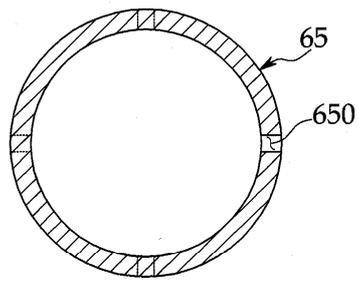
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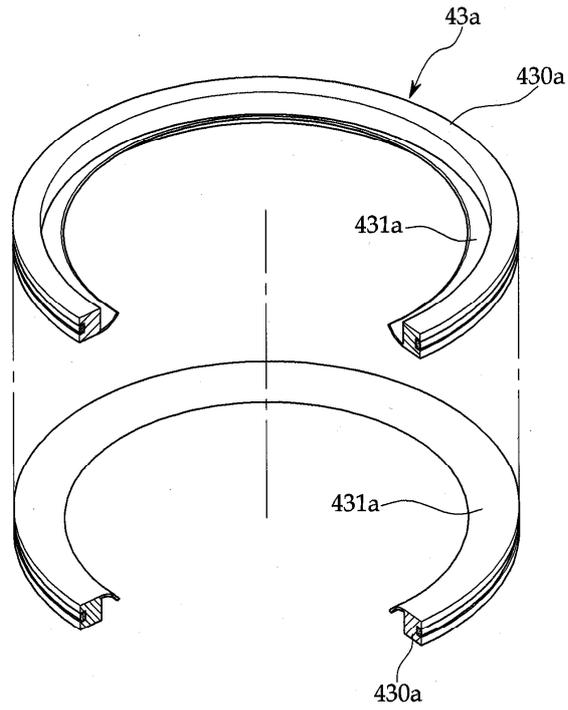
6a



6b



7a



7b

