

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁶
B23K 9/02

(45)
(11)
(24)

2002 02 19
10 - 0316250
2001 11 19

(21)
(22)

10 - 1995 - 0020166
1995 07 10

(65)
(43)

1997 - 0005484
1997 02 19

(30)

02215/94 - 0
02586/94 - 2

1994 07 11
1994 08 24

(CH)
(CH)

(73)

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, 6303 , 6

(72)

,5053 , 465

(74)

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(54)

1

1 ,

2 ,

3 ,

4 ,

5 ,

6 .

* *

2, 3 : 5 :

9, 10 : 40, 41 :

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" " " " 0.1 0.5mm (. () , , 가 , .

, 가 ((Paul Schindele) , " , 1983 . " Neue Verp ackung" 84 5). , .

, 가 . 0.4m m , (, 0.19mm 가 (Deutscher Verband für Schweisstechnik e.V, Leaflet DVS 29 , , , , , .

가 , / 가
(가)

가 ,

18

1 (1)
2 (2 3) (4)
(5) (1) (8)가 (7) 가
(8) (8) 2 (9)
10) (11)
(12) 가
(1) (12)
(5) (8) 가 (Z -)
가 H
0.1mm

2 (1)
(5) (4) 2 (2 3)
(8) 가 (i)
(2 3) (1)
(5)

0.2mm
 , 500N
 650Hz Hz
 (80m/)
 3
 (5) (2 3) (1) (4)
 가 (12)
 (8) (assembly)
 (11) 1 (9) 2
 (10) 가
 (15)가 (8)
 (4), (11) (8) , 2 3
 (1)
 가 가 (8)
 가 (pick - u
 (4, 11) 가
 가
 2 (2 3) 가 (5) (8)
 가
 (2 3) (5) 가
 가
 가
 200 , 300 (Vickers)
 (TZM) (WThO₃)
 ECN35
 (SiC) (Si₃N₄)
 (sparking) 4.5m
 가

4 (1) (16)
 (12) (, 4
 2).
 (17)가 (5)
 , (8)가 (5)
 (18) 가 . 1 2 (19)가 (5)
 , (19)
 (20, 21)
 (5), (19) (18) (5) 1
 가 가 (23, 24)
 (25) (screw actuator)
 (5) (26)
 (dressing) , (28) (27)
 , (27)
 (23, 24, 25) (5)

5 가 2 (2 3) (4) (5)
 (5) (30) , (3) (31)
 (32) (5)
 (33) (34) (8)
 , (12)

6 (41)
 (40)가 가 ,
 ()).

가 (42 43)
 (i) , (1)
 (12) (42 43) ,
 , (41
 40) ,
 (42 43)
 (41) (40)

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(57)

1.

(2, 3)
 (8)가 ,

(2, 3) 가 (5)
(4) ,

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(8) , .

3.

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(8) (11) (9, 10) ,

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(8) 가 , .

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(2, 3) ,

6.

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(2, 3) 가 , .

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(2, 3)

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11.

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12)

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(2, 3)

(5) ,

(2, 3)

(8)

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(5, 8)

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13.

12 ,

(5) 200

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14.

13 ,

(5)

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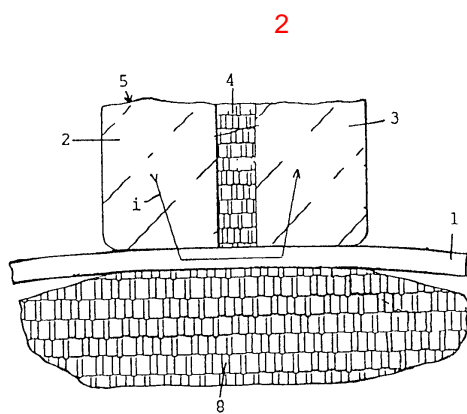
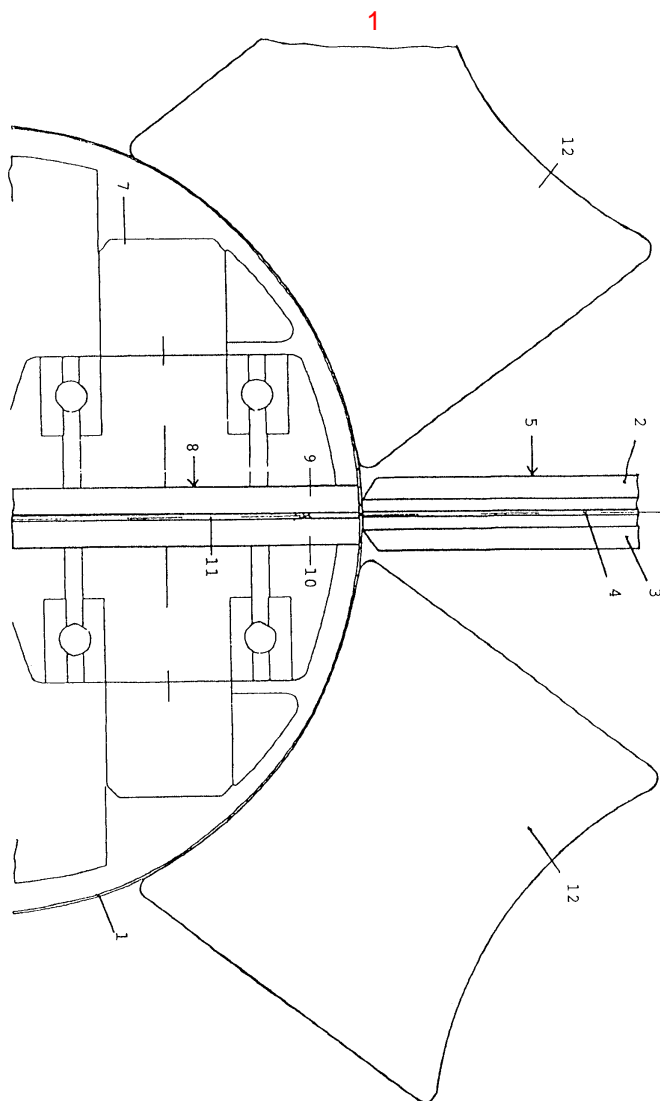
(TZM)

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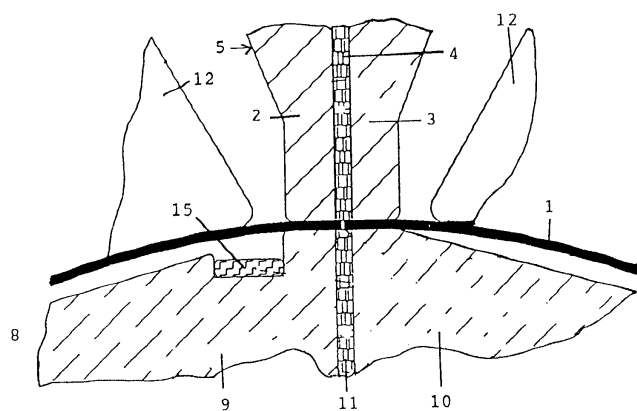
(WThO₂)

,

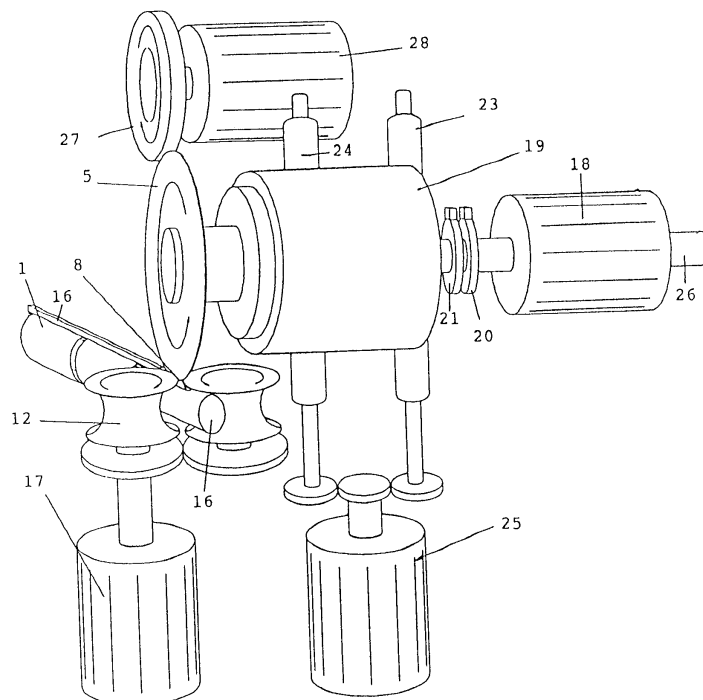
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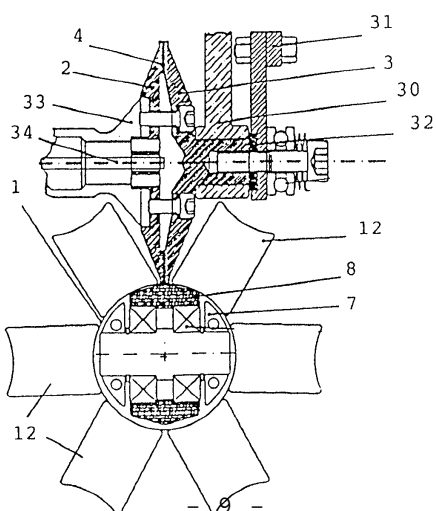
3



4



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6

