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(22) 1998 03 03

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(43) 1998 11 25

(30) 97 - 65461 1997 03 04 (JP)

(73) 가 가
가 131 - 2

(72) 738 - 8

(74)

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(54)

가 , 가 ,
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2 1 , .

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1 - 1 :

1 - 2 :

1 - 3 :

1 - 4 :

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2 - 1 :

2 - 2 :

2 - 3 :

3 - 1 :

3 - 2 :

4 - 1 :

4 - 2 :

4 - 3 :

5 :

6 :

8 9 (boss type)
 (11) (11 - 1) (11 - 4)
 (12) (12 - 2) (12 - 3)
 (13') (13")
 (11) (11 - 3)
 (12 - 3) (11) (11 - 4) (13')
 (13") (11 - 3)
 (12 - 2) (neck) 8 9
 12 - 1 (12) 14' 14"

10
 (11) (11 - 1) (11 - 4)
 (11) (12 - 3) (15) (12)
 (12 - 2) (11 - 3) (11) (11 - 4)
 11 - 4) (15) (13') 가
 (12 - 2)

11
 (11) (11 - 1) (11 - 2)
 (12) (12 - 2) (11 - 2)
 12 - 3) (11 - 1) (11 - 4) (12)
 - 3) (11) (16) (16 - 1)
 (16)

가

가

가

가

1 - 7 , 1 , 2 , 3 - 1
3 - 2 , 4 - 1 , 4 - 2 , 4 - 3

4) (1) 가 , 28mm 9mm (1
1) (1 - 2) (1 - 1) (1 - 3) (1 -

1 - 2) (1) 가 , (1 - 1) (1 - 5) (1) (102) (1 - 2)
가

(1 - 5) 1 - 4 (1 - 2) (1 - 4)
(1) (1) 가 (1) 가 (1 - 4)
(1) 가 (1 - 4) 가 (1 - 4)

(1) (1 - 1) (1 - 5)

(1 - 5) 0.05~1.0mm , 1.0~2.0mm
가 0.05mm , 가
가 2.0mm , 가

(2) (1) (1 - 1) (2
- 1) (2) , (2) ,
(2 - 2) (2 - 3) 1
(2) (2 - 2) (2 - 3) (1) (1 -
3) (4 - 1) (3 - 1)가
(1 - 4) , (2 - 2) 가 (4 - 1)
, 2 3 (2) (4
2 - 2) (2 - 3) (1) (1 - 3) , (4
- 2) (4 - 3) (2) (3 - 2)가 (1 - 4)
, (2 - 2) 가 (4 - 2) (4 - 3)

4 (1 - 3)
(1 - 2a) (1 - 4) , (1 - 2) (1 - 3)
(1 - 1) (1 - 3)

4 (2) (2 - 2)
(2 - 3) (1) (1 - 3) (4 - 1)
(4 - 1)가 (3 - 2)가 (4 - 1) , (2 - 1)

5

, 28mm 9mm STS48
(1) (1 - 1)가 (3 -
1) (5 - 1) (5) (2)

(5 - 1) (1)
(5) (1) 가 (5)
(5) (1) 가 (1 - 1) ,
(1 - 5) (1) (1 - 5)

(2-2) (2-3) (1) (1-3) (2)
 (2) 가 (3-1) (3-1)가 (5) (2-)
 2) 가 (3-1)
 , 6 .

(1) 5 , , 28mm 9mm (1)
 STS48 (2) (3-1)
 -1) (6-1) (6) (1) (2-2) (2-3)
 (1) (1-3) (2) (4-1) (2-2) 가
 (3-1)가 (6) (6-1) (2-2)

(1-5)

fp

(1-5)

, 7

(1-2)

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(1-5)

(1-2)

(2)

(1-2)

t)

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(roo

(57)

1.

가

2.

1 가 가

3.

1 2 0.05 1.0mm

4.

3 1.0 2.0mm

5.

1 2

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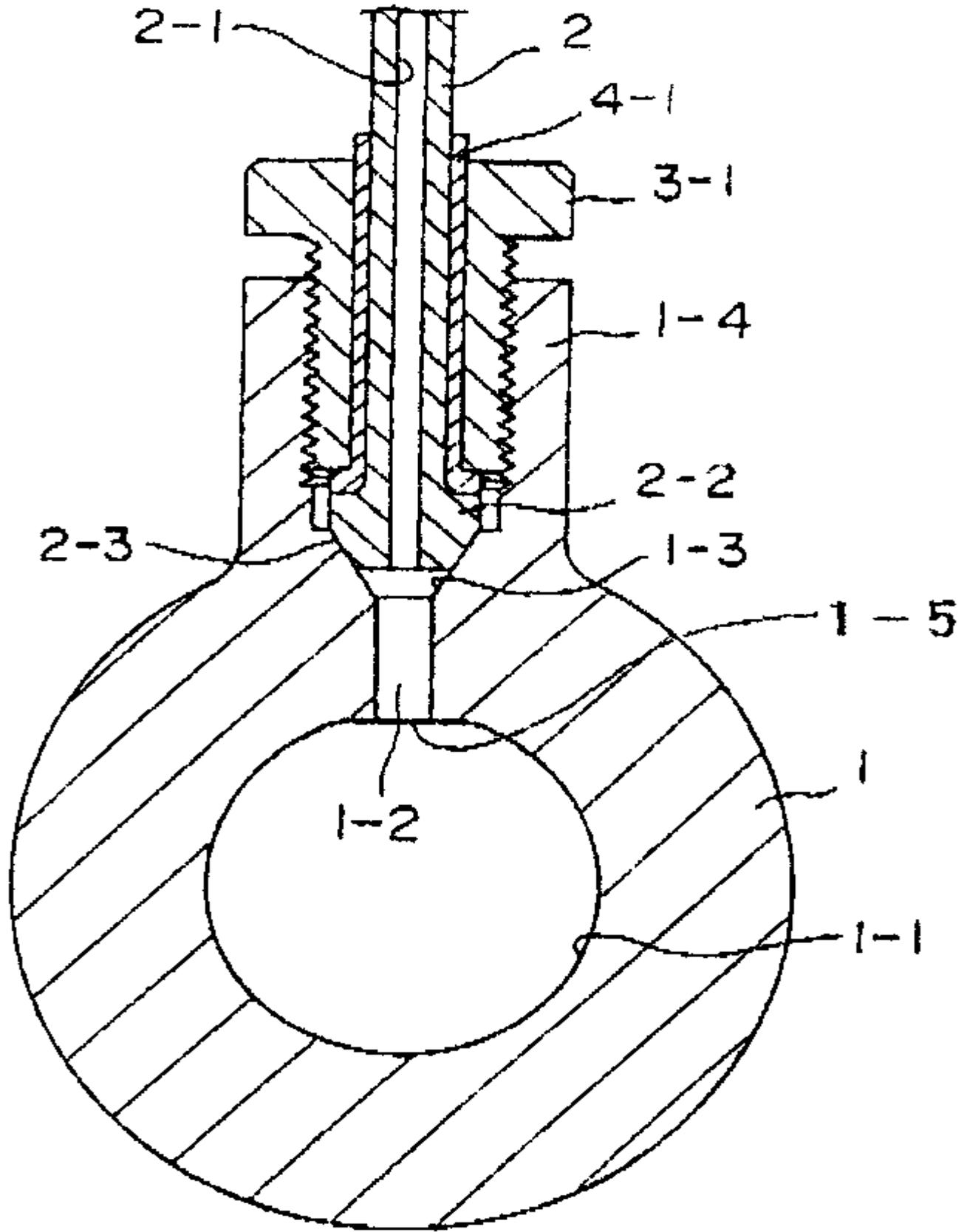
8.

1 2

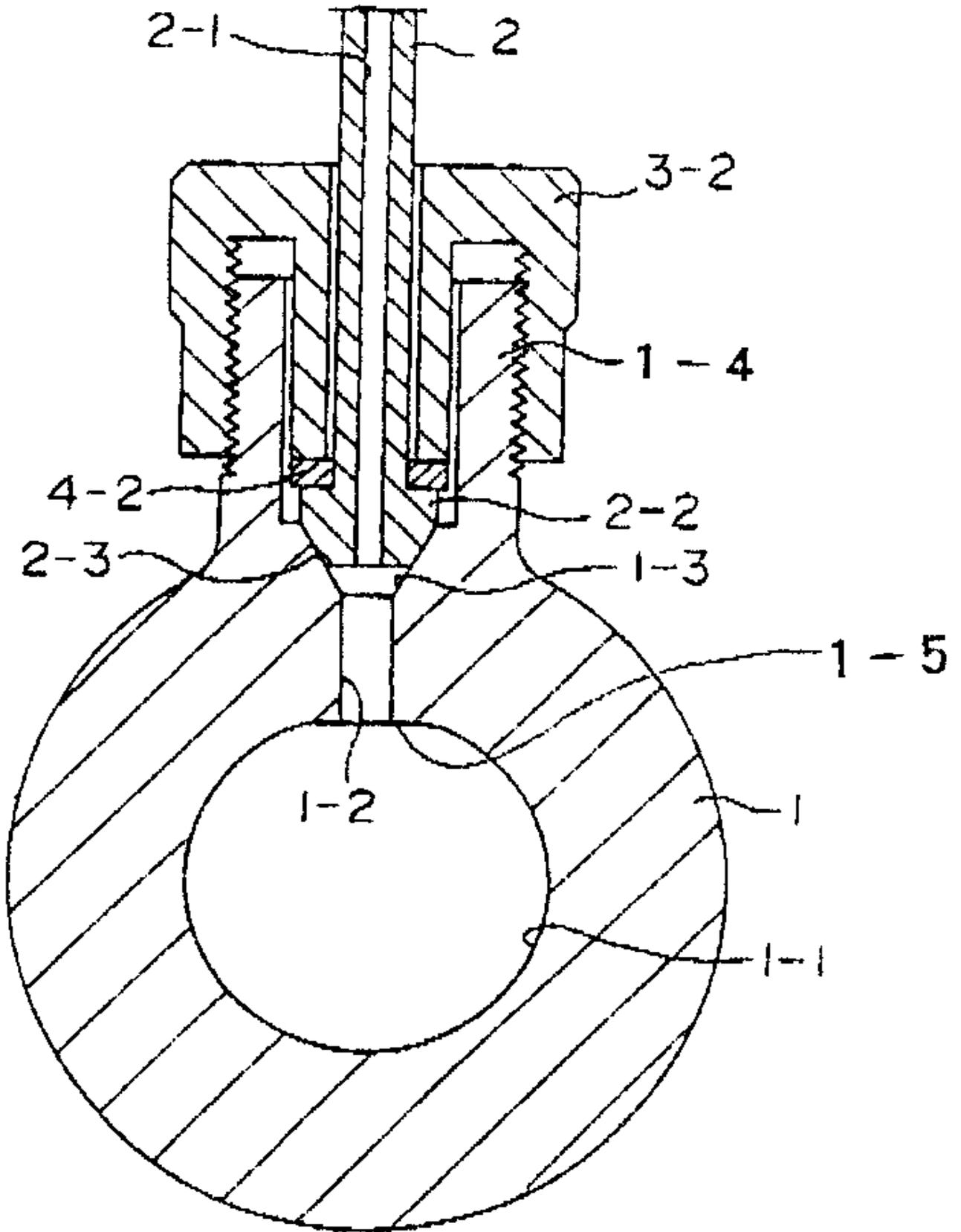
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7 -

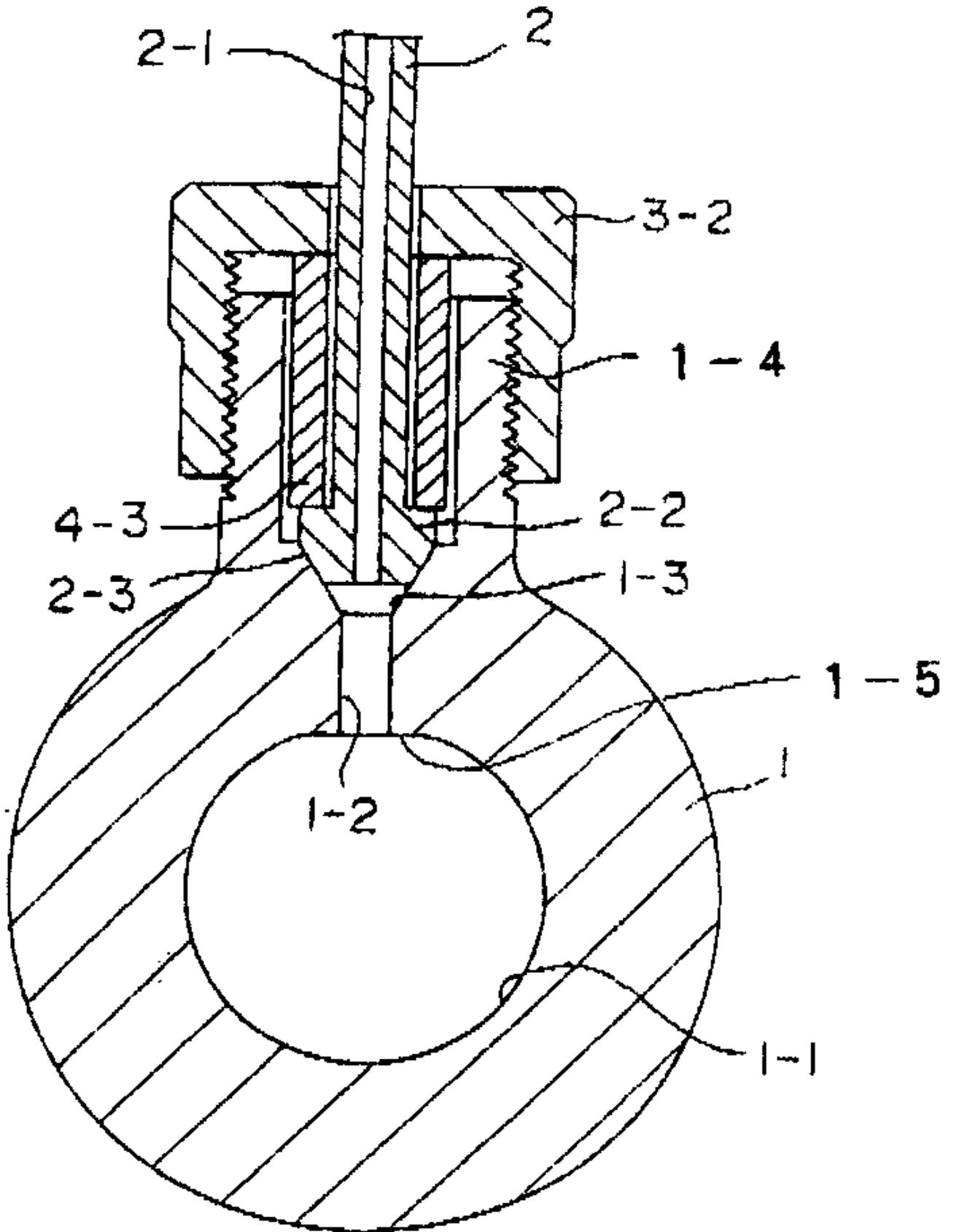
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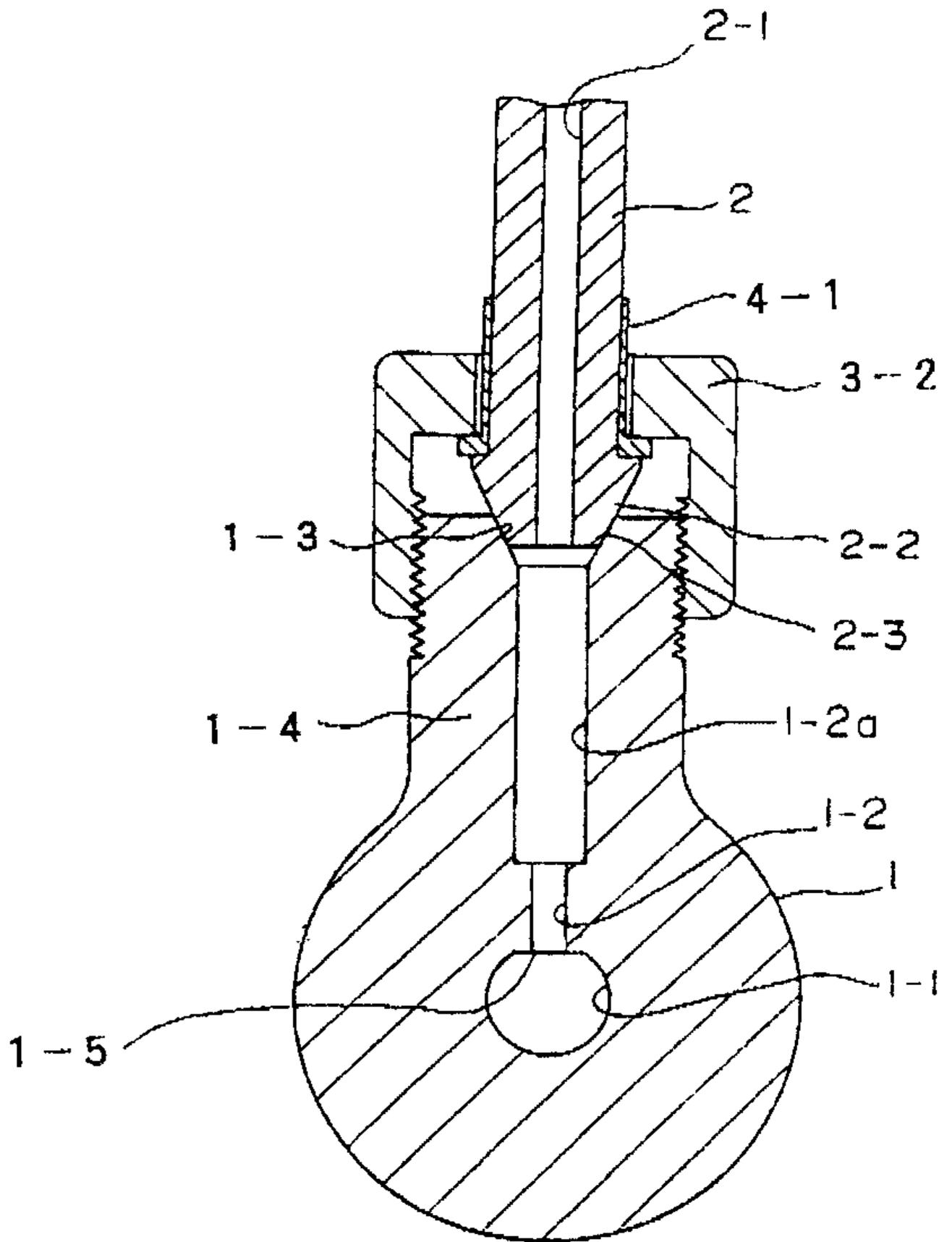
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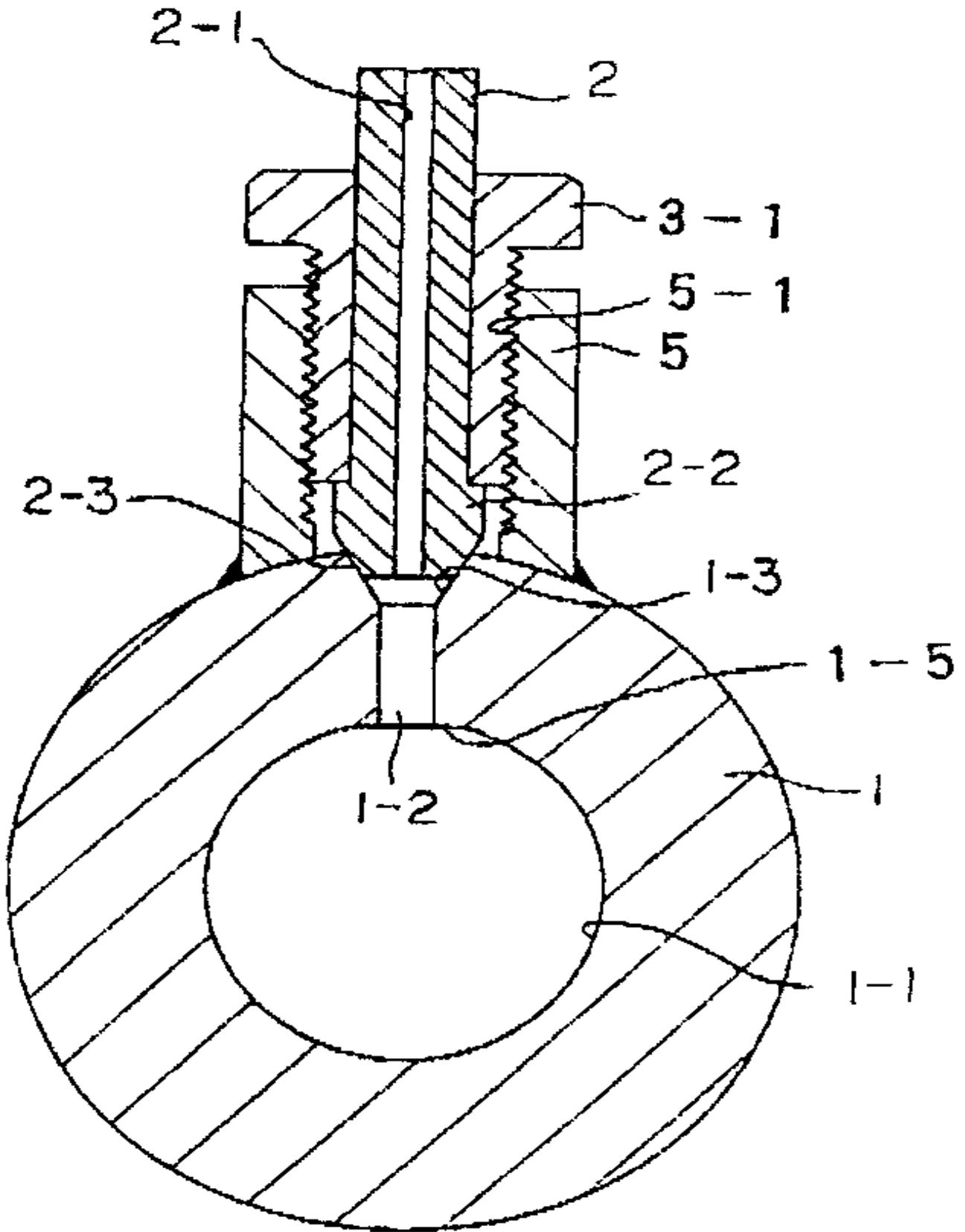
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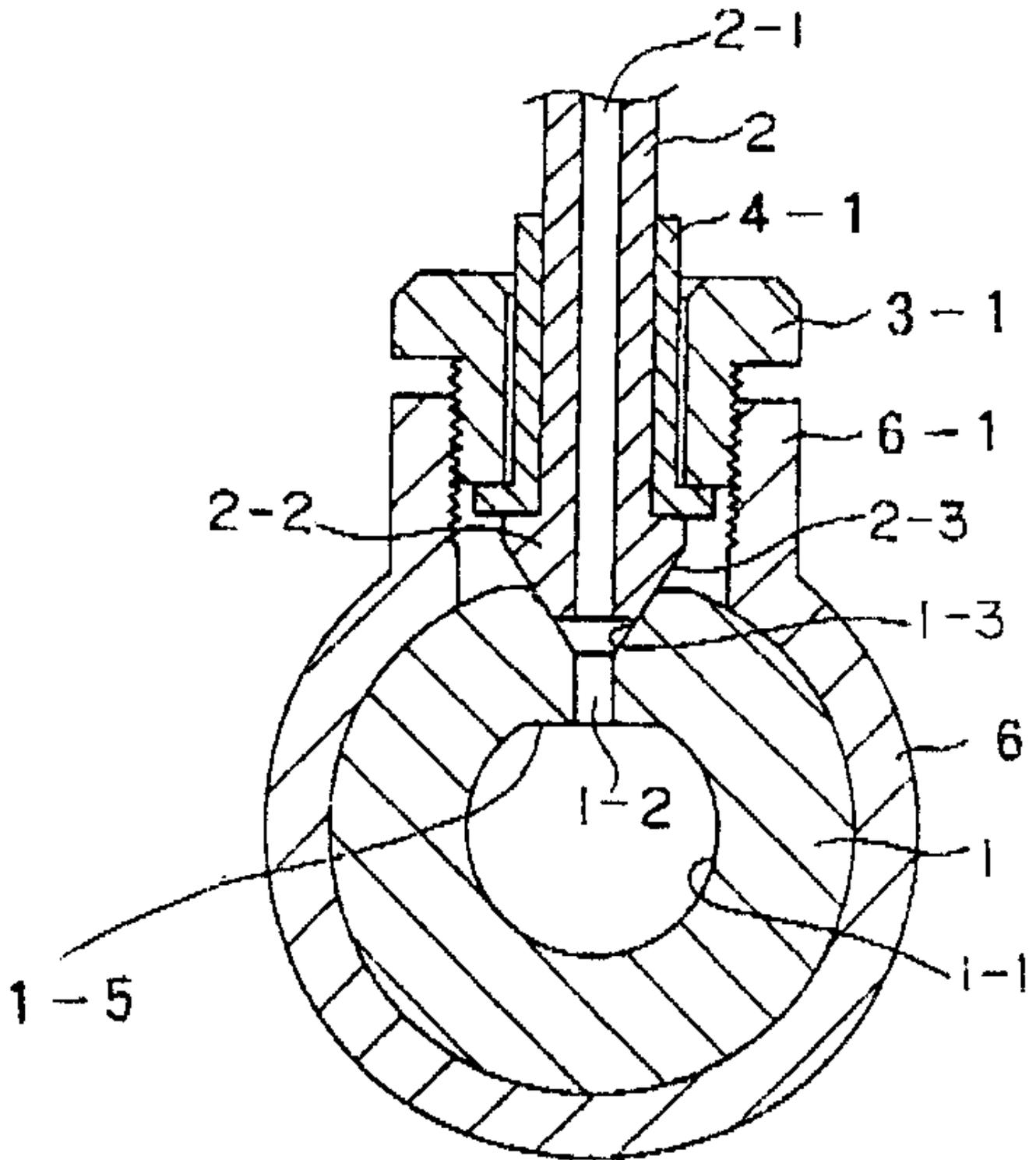


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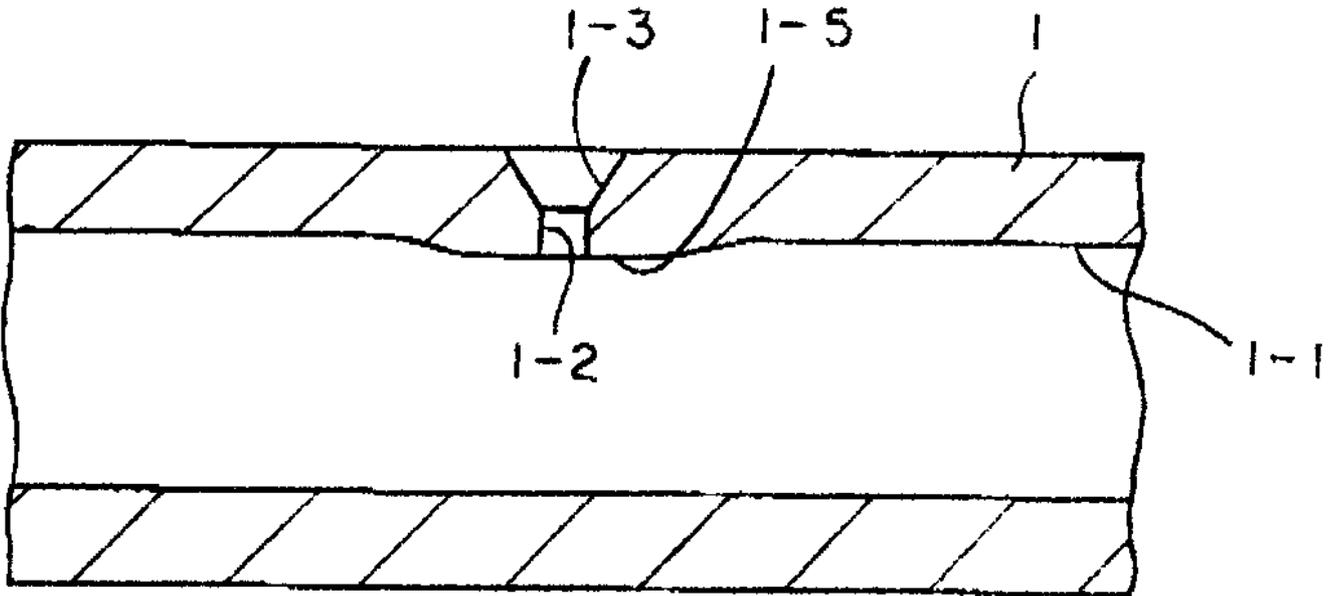


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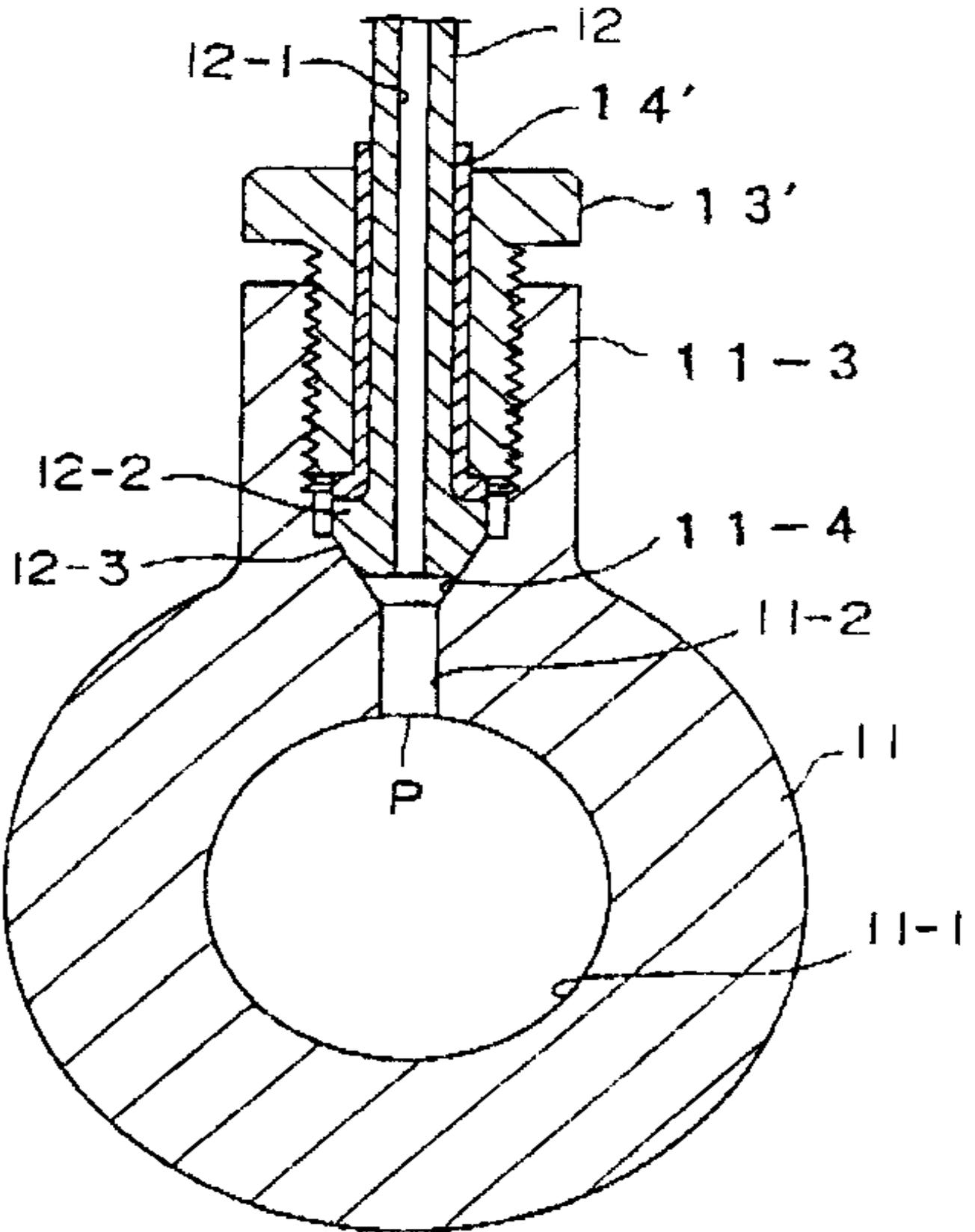




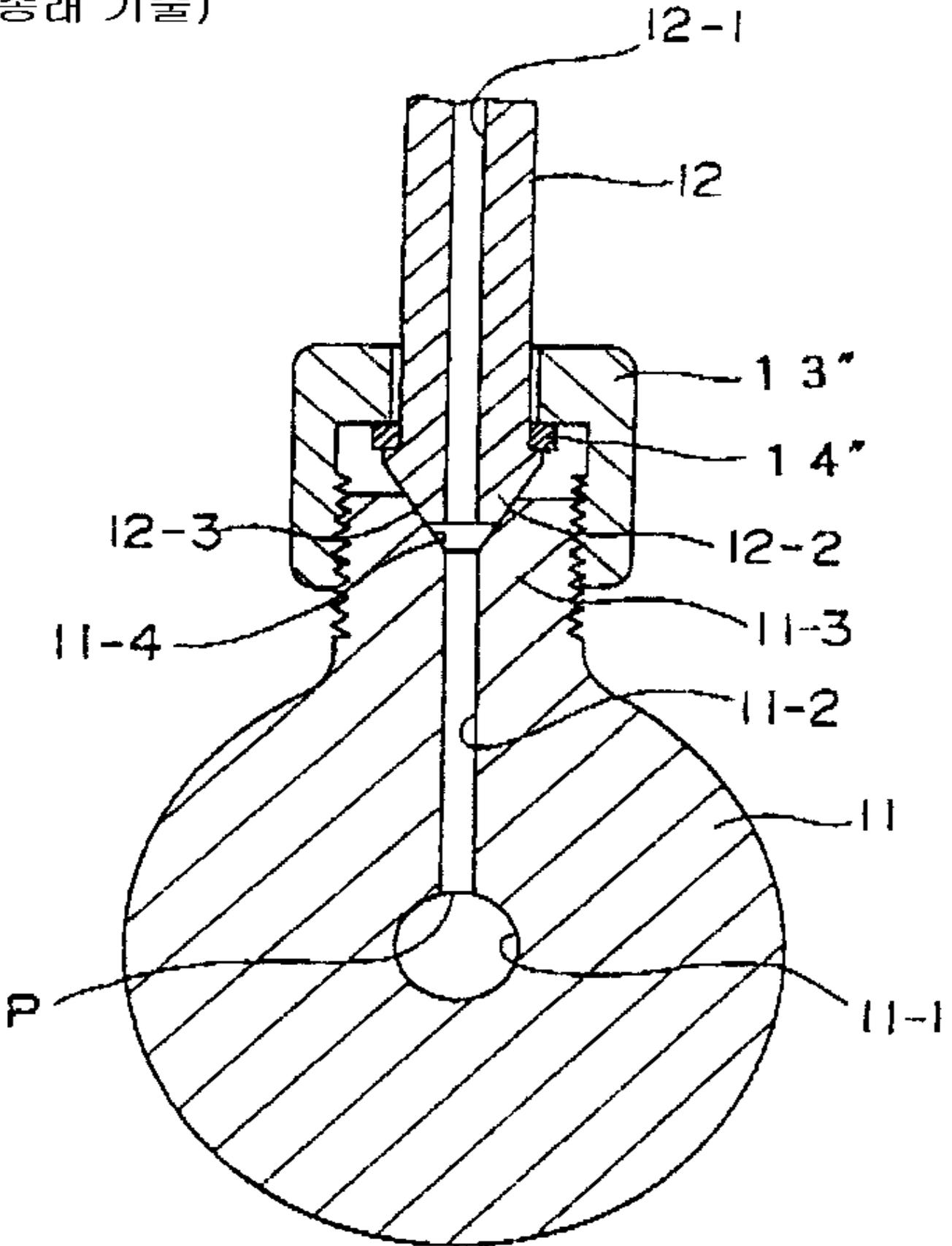
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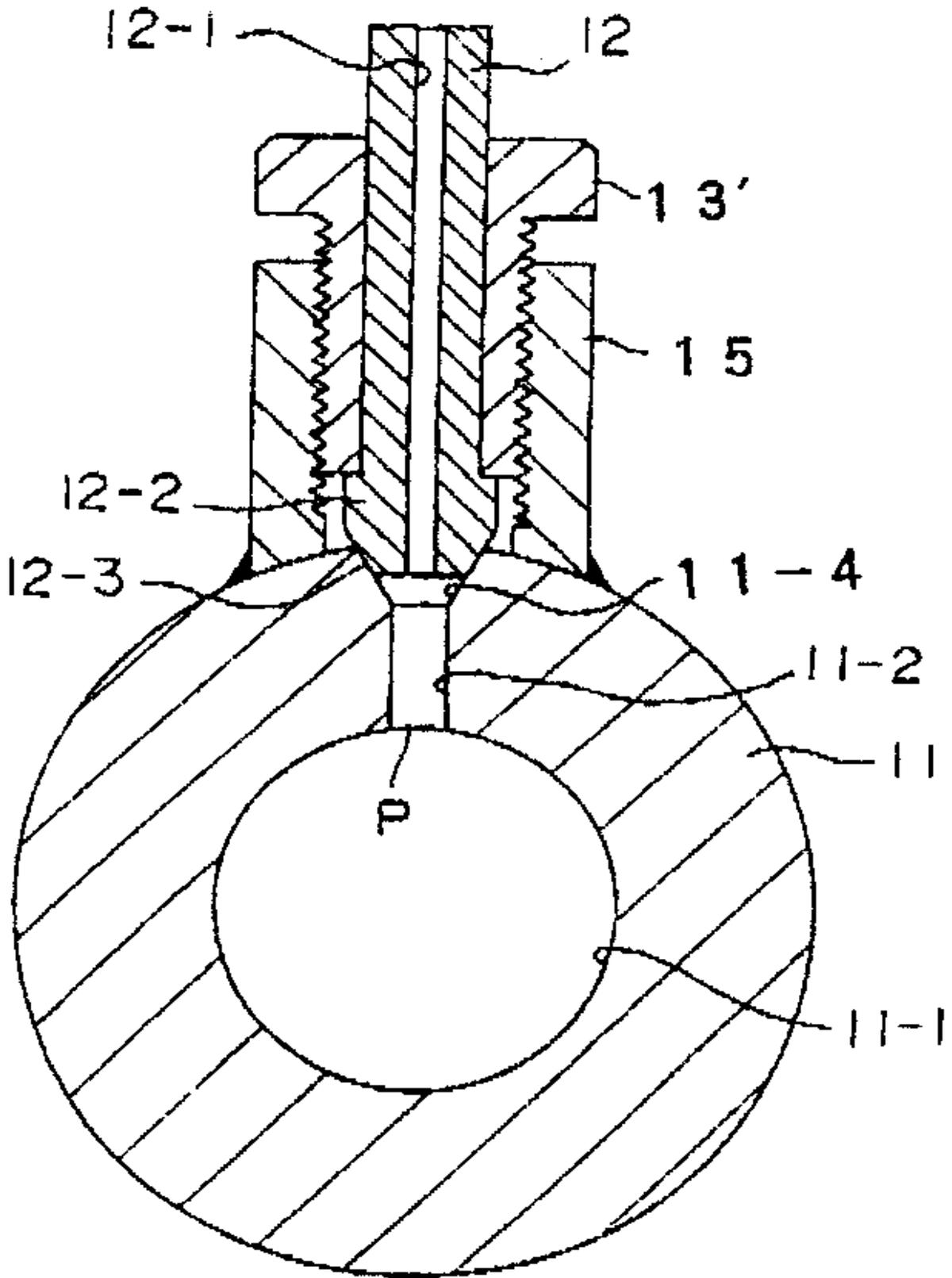


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