

:

(54)

1

(polyethylene terephthalate, PET)

(gate nub)
 가 . 가
 1986 5 13 (Ichizawa)
 4,588,370 .

2

1977 12 15 (hot runner) 가 ()52 - 151358 (gate puller)"
 가 가 "

(sprue)
(Ehrler)

(degating)
4,820,467

. 1989 4 11
 (cold sprue gated disc)
 가

1994 9 13 (Buhler) 5,346,659
'467

1995 6 13 (Gordon) 5,423,672
가
가
가

1970 3 6 (Greenberg) 3,671,159

가

1 가

2 가 1

3 1

1 (12) 1 (14) 3 (10)

(22, 24) (16) (20) (18) (18) (26)

(18) (28) (34) (36)가 (14) (32)

(12) (30) (26) 1 (34)

가 (40) (42)가 (40) (42) 가

(22, 24) (26)

(22, 24) (44, 46, 48)

6) (12) 가 (24) (44) (22)

가 (48) (26)

2 (40) (42)

(26) (22) (44)

2 (32) (34) (46) (50) (46)

(42)

3 (44) (26) (22)
3 (22, 24) (46)

(shot) () ,
,

3 (26) (drool)

3

가

가

(57)

1.

2.

1

3.

2

가

4.

1 , ,

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4 , ,
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6.

1 ,

7.

6 , 3

8.

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11.

10 , , 2

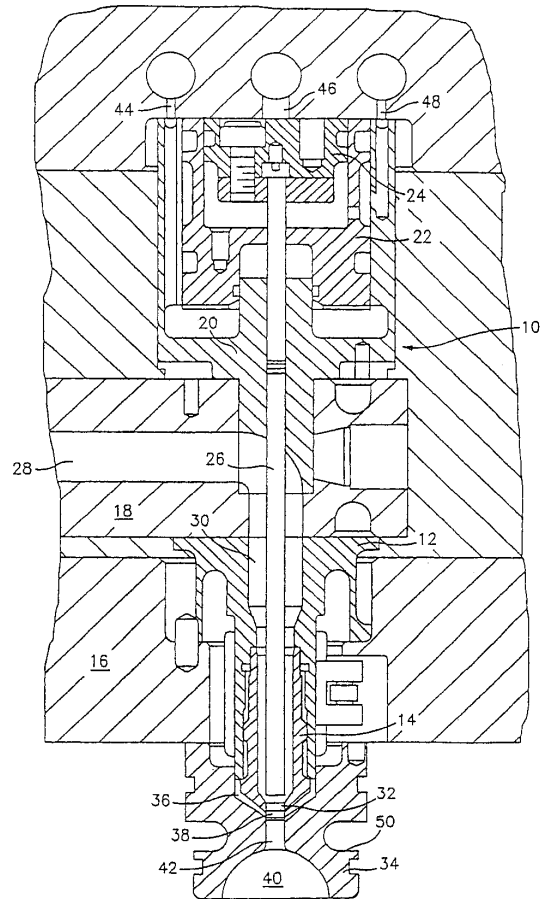
12.

8 ,

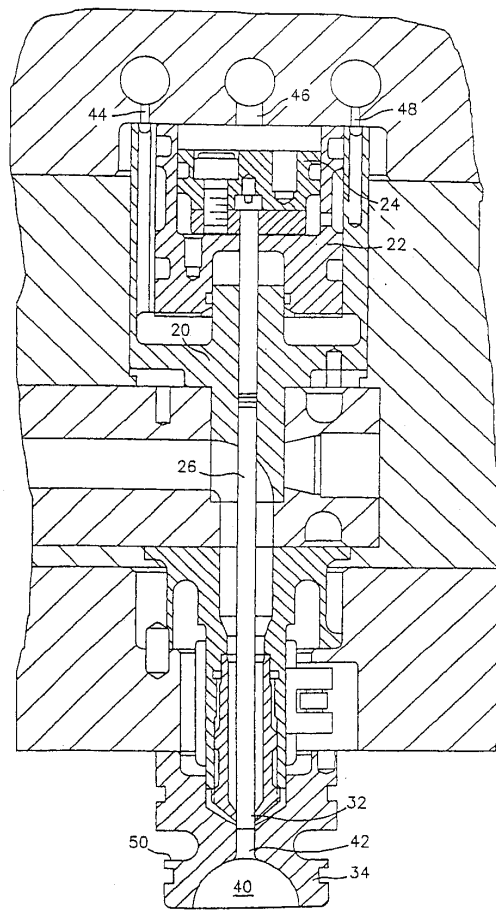
13.

11 , 3

1



2



3

