

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl.7
B29C 45/00

(11)
(43)

10-2004-0074000
2004 08 21

(21) 10-2004-0009679
(22) 2004 02 13

(30) 10306523.7 2003 02 14 (DE)

(71) -51379

(72) ,
-51147 8

,
-50735 117

,
-53562 14

(74)

:

(54)

(shot) - t , 1 1 ,
V s/ V s/ ,
P s/ P s/ ,
P s/ P s/ V s/ V s/ ,

1

1

2

3

4

< >

1: 2:

3: 6:

8: 10:

12: 16:

(shot)

가

가

, DIN ISO 9001

2

()

()

()

가

가

(exhaling)

(throttle)

가

()

()

가

가

$$\begin{aligned}
 & 1 - t \quad , \quad 1 \quad V_{s/} \\
 & (13) \left(2 \quad V_{s/} \right) \quad , \quad (13) \quad p_{s/} \quad p_{s/} \quad V_{s/} \\
 & \left(1 \quad 2 \quad \right) \quad , \quad (4) \left(1 \quad 2 \right) \quad (10) \left(1 \right) \quad (3) \\
 & (16) \quad (12) \quad , \quad p_{s/} \quad p_{s/} \quad V_{s/} \quad V_{s/} \\
 & , \quad (12) \quad (6) \left(1 \right) \quad (11)
 \end{aligned}$$

가

가

가

가 , p s/ p s/

가 가 (,) p s/ p s/

(,) , (, p s/ 가 p s/) 가 .

1 (1), (2) , (3), (4), (5), (6), (7), (8)) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)

(2) (12) 가 / (14) (12) (2) .

2 () , (2) ()

2 (8) (13) (2) (3)

3

4

(57)

1.

a) 1 1 (shot) - t

p s/ p s/ V s/ V s/ ,

b)

c)

(1) a)

(2)

(3) $p_{s/}$ $p_{s/}$

(4) $V_{s/}$ $V_{s/}$

1 2.

() 가

2 3.

1 4.

3 bar 600 bar

1 5.

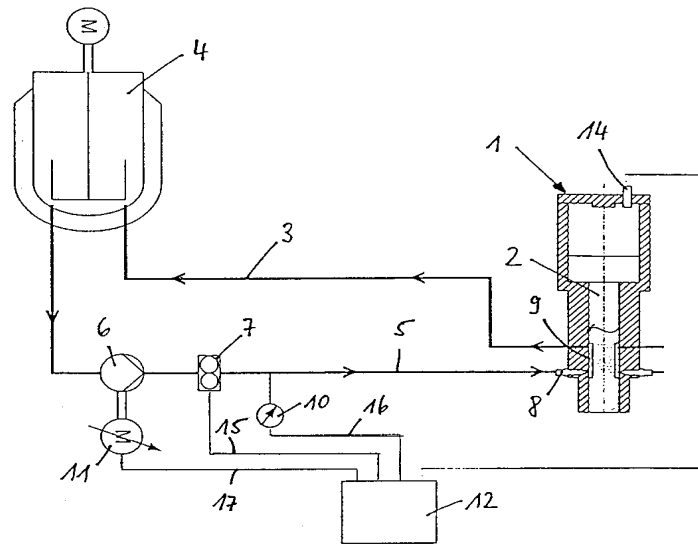
50 bar 350 bar

1 6.

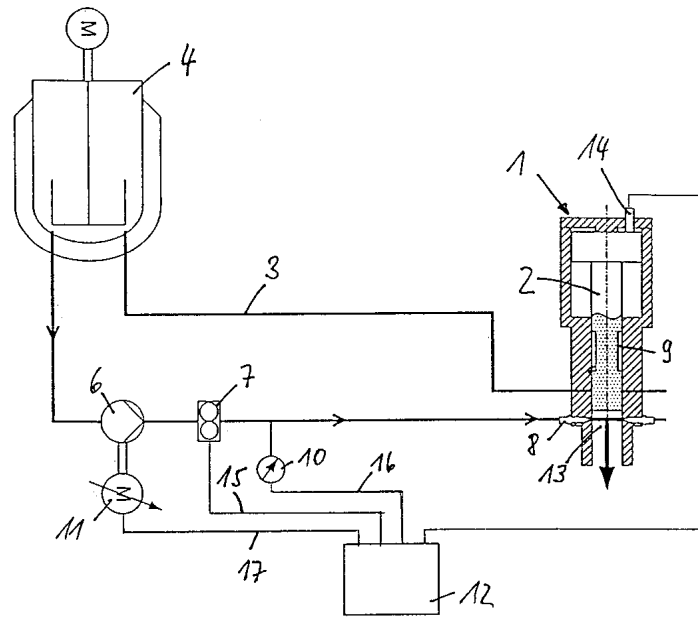
100 bar 250 bar

1 7.

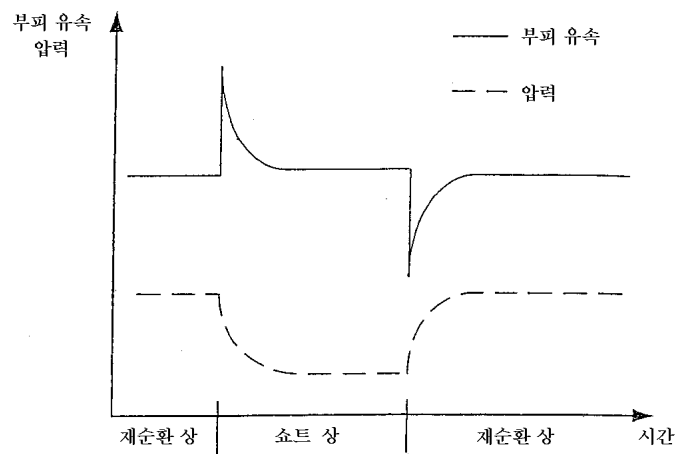
1



2



3



4

