

(19) (KR)
(12) (B1)

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F04C 18/02 (11) 10 - 0299753
(24) 2001 06 12

(21) 10 - 1994 - 0014880 (65) 1995 - 0001110
(22) 1994 06 27 (43) 1995 01 03

(30) 08/083,278 1993 06 28 (US)

(73)
45365 - 0669 1675

(72)
45365 14245

(74)
:

(54)

가 .
 ,
 ,
 ,
 (liquid flashing) 가

1

2

1

3

4

5

[]

10 : 20 :

24 : 26 :

30 : 32 :

72 : 201 :

202 : 204 :

226 : 228 :

244 : 246 :

248 : 250 :

, (dirt trap)

(flank),

가

가
[0.127 mm(0.005)]
[0.0254 mm(< 0.001)]

가

가

가 1
(10) 가 (10) (14)
(12) (14) ()가
(16)가 (12) (14) (12)
(12) (18) ,
(20) , 가 (22)

(20) (12) (24) , (26) , (28)
(30) (34) (32) (20)
(28) (34) (36) 가
(32) (38) 가 ,
(40) (12) ,

(32) (38) (40)
(primary pump) .

(32) (42) (26) , (32) (46)
(48) (44) .

(24) (50) (52) (50)
(54) 가 , (32) 가 (36) 가
(56) (54) 가 (50) 가
(58) , 가 (59), (60) .
(62) (54) (64) (20) (62)
(64) (20) (20) (20)
(50) (20) .

(24) (52) , (66) (66)
(68) 2 (68) (68)
(72) (70) . (70) (74)
(52) (76,
(50) (52)
(80) (32) (72)
(48) (48)
가 가 , .

(66) (30) (84) (84) ,
(30) (84) (88)
(86) .

(30) (96) (94) ,
(18) (98) (14) (18) (discharge muffler chamber, 10
가 가 가
(102) , (104) , (102)
가 () (source of intermediate
fluid pressure) (30) (72)
(102) (30)
가 , 4,877,382 .

4,877,382 (74) ,
1990 10 1 " ,
(Oldham Coupling for Scroll Compressor)" , 591,443

가 (22) 가 가 (12) 가 " " (low side) 가 . 가 , 가 .

200 , (38) , (200) (32) (40) , 2 (200) (flinger, 202) , (204) , (206) (201) 가 .

(20) (32) 가 (28) . (28) (20) (210) , (20), (32) (204) (210) (201) (204) , (210) (20) (222) (204) (224) (204) (10) (38) (204) (226) (228) . (228) .

(202) (204) (226) . (202) (32) (202) (202) (230)가 6 (226) (202) (32) , (232) (234) (38) (32) (squeeze film pressure reduction) .

가 (32) (204) (240) . (242) (32) (204) (32) (20) (246) (204) (244) . (246) (248) (244) , (244) (20) (244) (204) (244) . (244) .

(250) , (244) (10)
 (magnetic particle) (250) (206)
 (250) (10)
 (250) , (liq
 uid flashing) 가 (244) (252)
 (252) , 0,635 mm(0.025)
 (254) 가 (32) (20) (250)
 " (flash off)" (250)

(201) (< 0.001)
 (201) 가 (沈泥) (1
 0) (201) (32)
 (260) (32) (38)
 0,1524 mm(0.004) #150
 (260) 가
 (260) (260) (260)
 (32) , (260)
 260) (201)

(12) (32) (3) (12)
 8)가 (12) (38) (40) , (10)
 (204) () (12) (12)
 (202) (228) (38)
 (202)가

가

(57)

1.

1

1

(72) ,

1

2

1

(72)가 2

2 (30) ,

(30, 72)

(26, 44) ,

(38, 40, 200) ,

(250)

(201) ,

(250)

.

2.

1 ,

(250)

(206) 가

.

3.

1 ,

(32) ,

(38)

.

4.

3 ,

(32)

(26, 44)

.

5.

3 ,

(38)

,

.

6.

5 ,

.

7.

5 ,

(38) (202) 가 ,
가 .

8.

5 ,

(32) (250)

9.

1 ,

가 (204)
(250)

10.

9 ,

(250) (206) 가 .

11.

9 ,

(228)

12.

11 ,

(228) (204)

가

13.

9 ,

(204) (244) ,

14.

1 ,

(260)

15.

1 1 ,
 1 2 1 가 2
 , 2 ,
 ,
 ,
 1 가 , 1
 (38)
 , 가 (20) ,
 , 가
 (204) 가 , (20) ,
 .

16.

15 ,
 (204) (20) (206) 가
 .

17.

15 ,
 가 ,
 .

18.

15 ,
 (204) (228) ,
 가
 .

19.

15 ,
 (204) .

20.

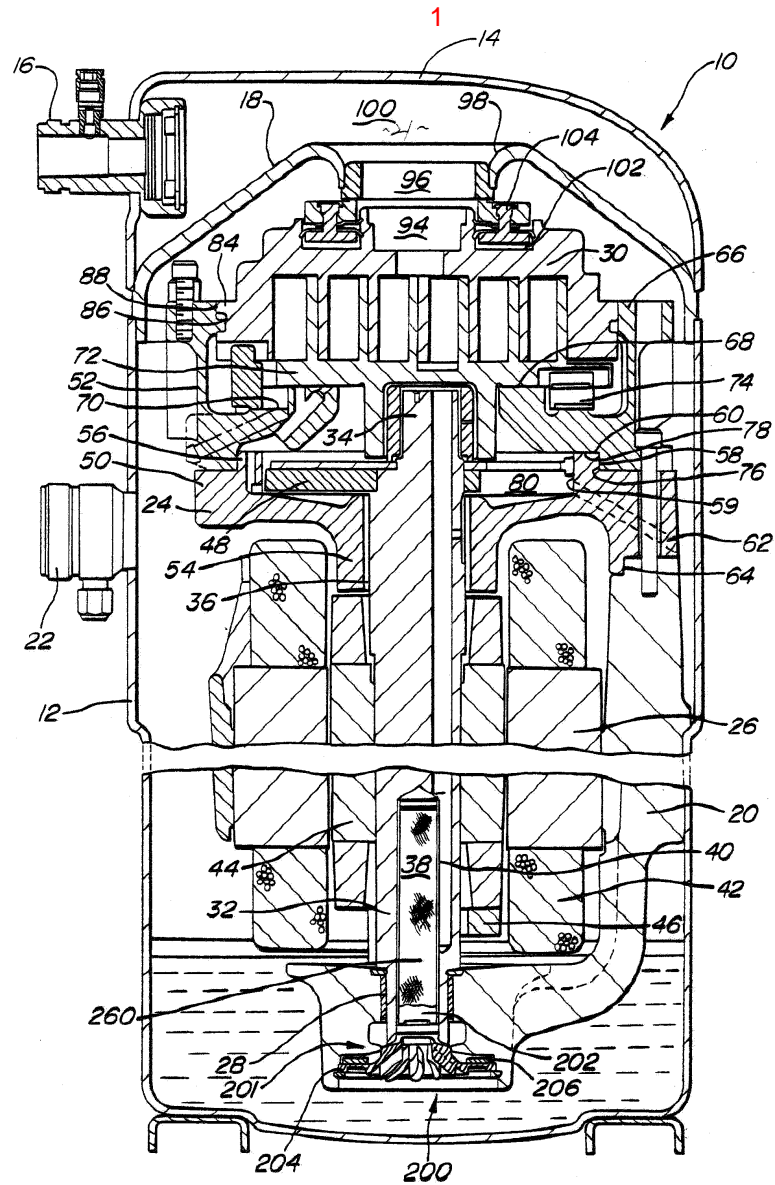
15 ,
(204) (20)
.

21.

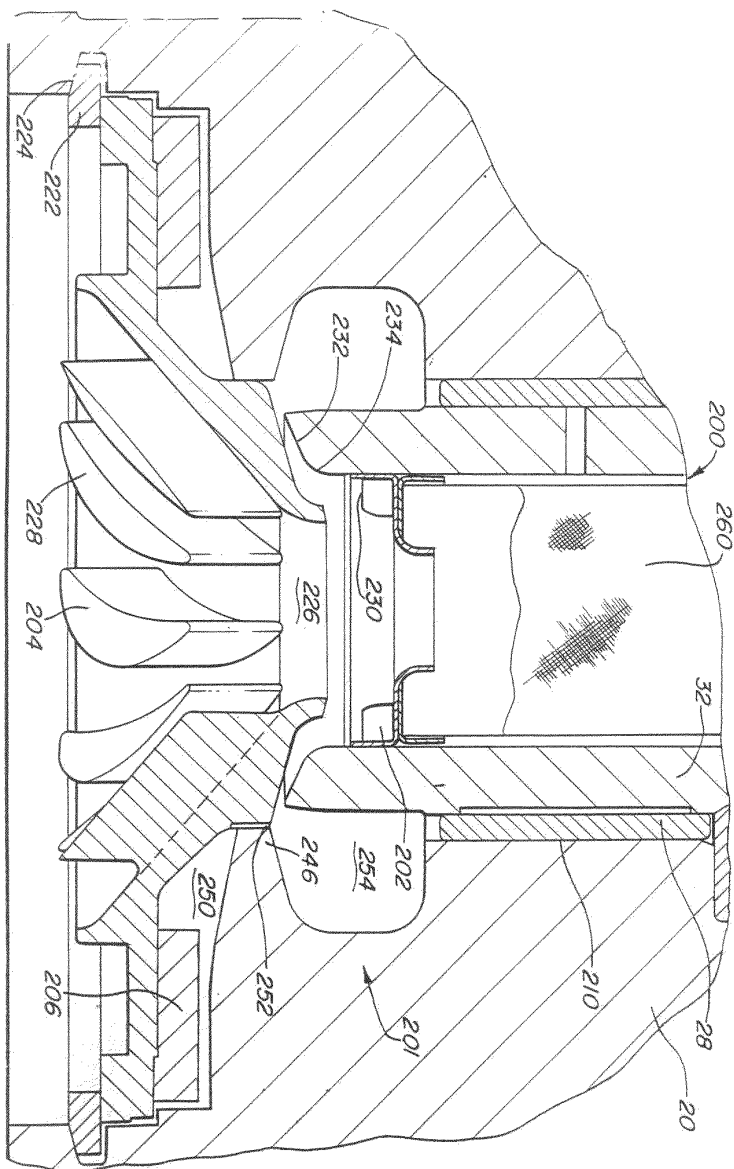
15 ,
(260) 가
.

22.

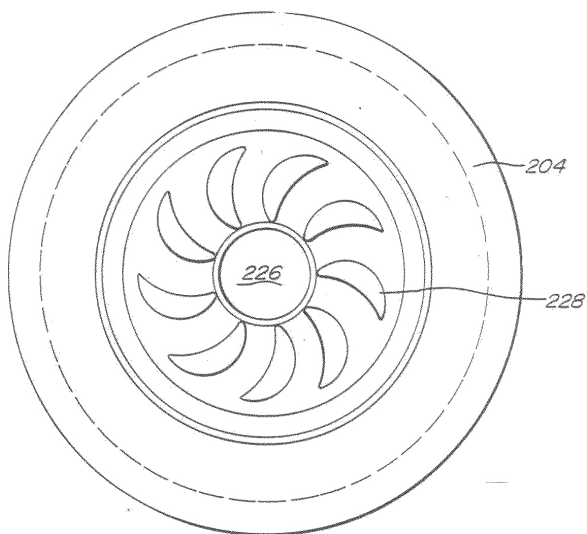
1 1 ,
1 2 2
1 가 , 2 ,
2 ,
가
.



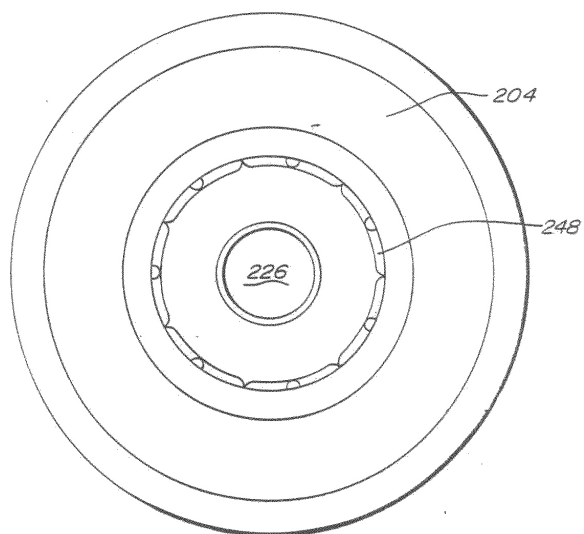
2



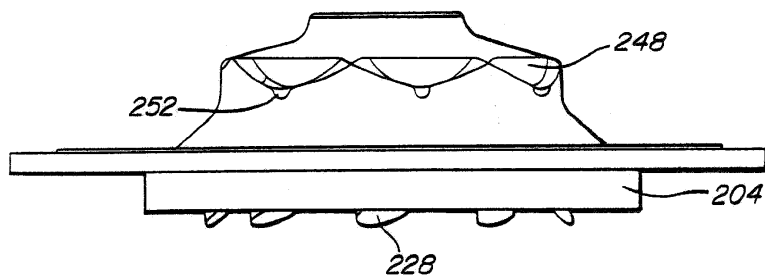
3



4



5



6

