

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.⁷
D06F 37/30

(45)
(11)
(24)

2004 12 29
10-0463545
2004 12 16

(21) 10-2002-0082530
(22) 2002 12 23

(65)
(43)

10-2004-0056016
2004 06 30

(73) 20

(72) 2 105-1206

(74)
:

(54)

가
;
;
;
1
2
;

2

, , , ,

1
2
**

**

1

2

;

2
2
2 (102) (2) 2 (102) 2 (102) (101)
, 1 (101) (52) 2 (102) 1 (101)
, (50) BLDC 가 (50) (50)가 (50)
() 350rpm, () 1200rpm
(50) (52) (52) 가
C)가 (62)가 (C) (60) (60) (60) (82) ()
(C) (60) (62) ; (62)
(64) ; (64) (64) 가 (82)
80) ; (64) (62) (62)
70); (64) (70) (82)
0) (64) 2 4 (64) (64) (62) (8
(80) (62) (64) (62) (80)
가 7:1 (60) (62) (80)
(80) (82)가
(82) (60), (64), (80) (82) (70)
가 (70) , 가 (75)가 (64)가 가
(60) (82)가
(b1) (70) 1 (71) (60)가 (60) 1 (71)
(82) 2 (60) (72) 2 가 (82) 2 (72)
1) 1 (70) (70) 1 (71) 1 (7)
, 1 (101) (105) 1 (111) (70) 1 (101)
(70) 2 (72) 2 (102) (108) (b2)
(70) 1 (71)가 가 1 (111)
(82)가 가 2 (72) 2 (112)
, 1 가 (111) () 가 , 2 ()
112) () 가 . 가 , 2 ()
(50) 350rpm, 1200rpm (50)가
(60) (50)가 350rpm (50) (52) (60)가
(64) (62)가 (64) (64) (70) 1 (71)
1 (111) (60) (64) (80) (80) (80)
(64) (80) (80) (82) 가 가 (82)
가 2 (80) (112) 가 , 가
(82)가 (60)가 (64) (82)
350rpm 50rpm (60)가 가 7:1 7:1 (82)

(111)() -> , (70) (52) 350rpm () -> (60) () -> 1
 (80) -> (80) (82) 50rpm ()

(50)가 1200rpm (60)가 , (60)
 (62) (64) (80) (80)
 (80) (64) (80)가 (82) , (80) (112)
 (82) (82)가 (70) 2 (72)가
 (82) (60) (64) (82)가 ()
 70) 2 (72) (82) ()
 70) 가 가 (60) (82)
 (52) 1200rpm () -> (60) () -> (80) (82) () -
 > 2 (112) -> (82) (70) (1200rpm)

on/off
 (111), (82) 1 (101) 1 (105) (70) 1 (71)
 (70) 2 (72) (112) 가

가 , 1 (101) 1 (105) (70) 1 (71) ()
 111), (82) (70) 2 (72) (112).
 , (70) 1 (71) (60) (b1),
 , 2 (102) (108) (70) 2 (72) (b2) 4

1 (111), 2 (112), 3 (b1), 4 (b2)
 1 (111) 2 (112) , 1
 (111) 3 (b1) , 2 (112) 4 (b2) , 3
 (b1) 4 (b2)
 , 1 (111) 3 (b1) (60) (82) (70)
 (64) (60)

BLDC

가

가

(57)

1.

가

;

;

:

;

,

;

,

;

1

;

2

1

;

2.

가

1

1

2

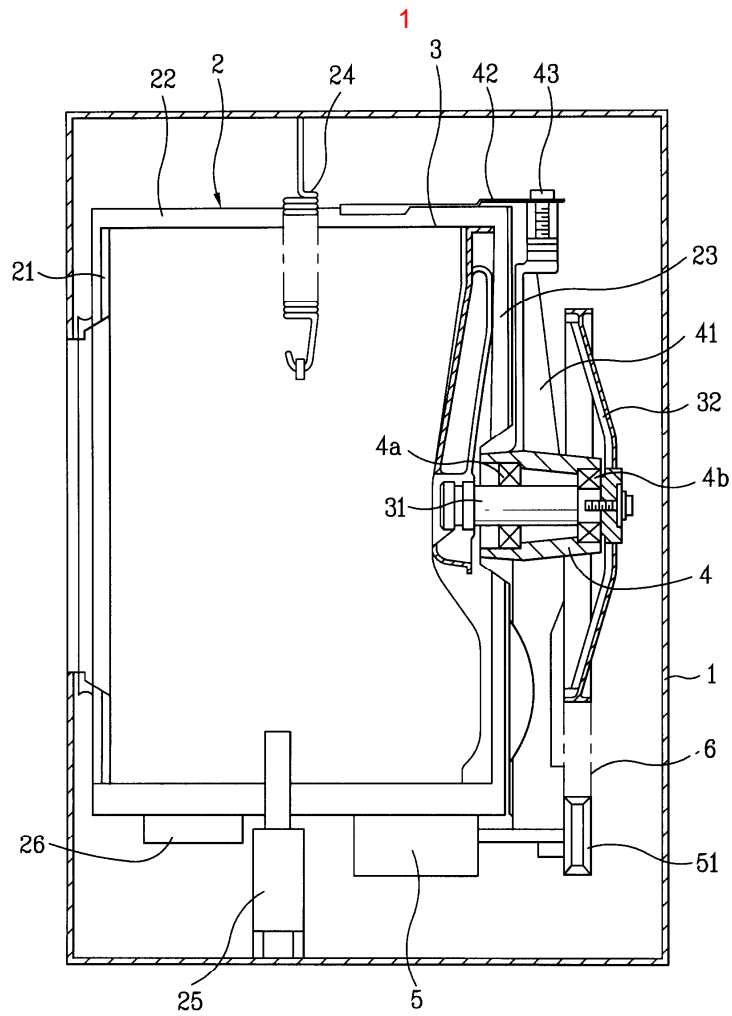
3.

1

2

가

가



2

