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10-0425112
2004 03 18

(21) 10-2001-0068574
(22) 2001 11 05

(65)
(43) 10-2003-0037726
2003 05 16

(73) 20

(72) 가

(74)

:

(54)

, BLDC ,

/ BLDC 1 2 , 1 ; 2
BLDC 3 2 BLDC 2
2 ; 1 2 .

3a

, ,

1a
1b
2

3a 3b
4a 4b
5a 5b

7 : BLDC 80 :
90 :

가 가

, BLDC

, BLDC

BLDC 1a

1b

(30) (70) (32) (30)

(30) (30) (60) (70) (同心) (40) (50)

가

(40) (42) (50) (60)

(50) (42) (53)가 (52)

(52) (磁束) (驅動具)(58) (56) (52)

(56) (580) (58) (58) (80)

(58) (60) (590) (60) (58) (620) (50)

(58) (60) (70) (60)가 (가

(70) (70) (58) (70)

(720) (70) (720) (58) (580) (50)

(80) (580) (70) (720) (80)가 (32) (800)

(58) (80) (80)가 가 (81)가 가 (70) (81)

(82)가 (82) (83)가

(83) (90) 2 (94) (95) .
 (80) 가 (81) (85)가 (85)
 (580) (70) (720) (860)
 , (80) (85) (800) (890)
 , (30) (80)가 (800) (90)가 .
 (90) 가 (80)가 (800)
 (80) (58) 가 1 2
 (94) (90) (80) (82) (92,94)가 2
 (80) (83) (95)가
 (70) (60) (20)
 (80) (90) , (難燃) (mold) ,
 (50)가 (40) (50) (580) (60)
 (60) ()가 (90) 가 (80)가
 (90) (80)가 2
 (94) (95) (80) (83)가 (50) ()
 80) (85) (860) (58) (580)
 (80) (60) (80) (70) (1a
). (60) (70) (90)
 , 가 (80)가 (800) ,
 (80) (85) (860) (70) (720) (58) (580)
 (1b). (50) (58) (60) ()
 58) 가 (80) (70) 가
 OFF , (80) (가) 2 (56) () (90) 가 BLDC
 (7) (56)

/

BLDC ,

/

BLDC 1 2 ; 2 BLDC 1 2

BLDC 1 2 ; 3 1 2

/

1a 1b (40) (60) BLDC

(50) (50)

(7) , (90) (6) (60) (60)
 (15)(80) BLDC (7) (90) / (ON/OFF) (0.
 1) (0.1) BLDC (7) (0
 .2) BLDC (7) (0.1)

3a 3b
 , 3a
 3b
 , 3a
 (800) (58) (90) 가 (580) (OFF) (70) (80)가
 (80) (0.1) BLDC (7)가 (58) (OFF) BLDC (7)가 (80)가
 (860) (50) (58) (860) (58) (860)
 , BLDC (7) (80) (56) 가
 BLDC (7) (80) 가 4a 4b
 (56) (80) 가 3b (ON) , BLDC (7)
 (0.1) BLDC (7) (80) (56)
 , BLDC (7) (가) (56) () 5a 5b
 가 , 가
 가

BLDC

(57)

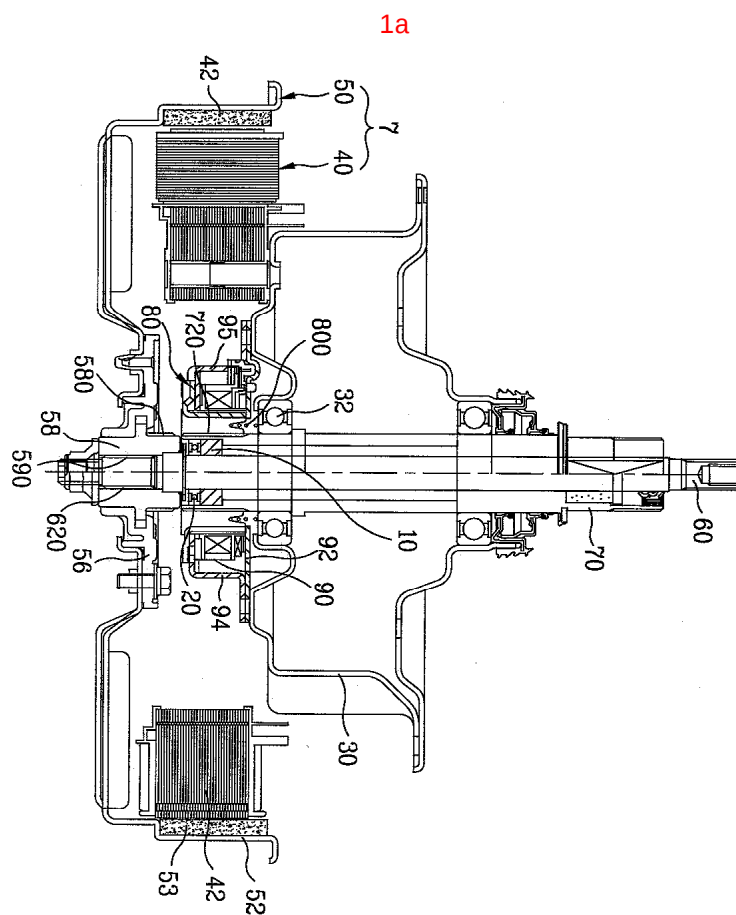
1.

BLDC ,
 /
 BLDC 1 2 ; 2 BLDC 1 2
 BLDC 1 2 ; 3 2
 /

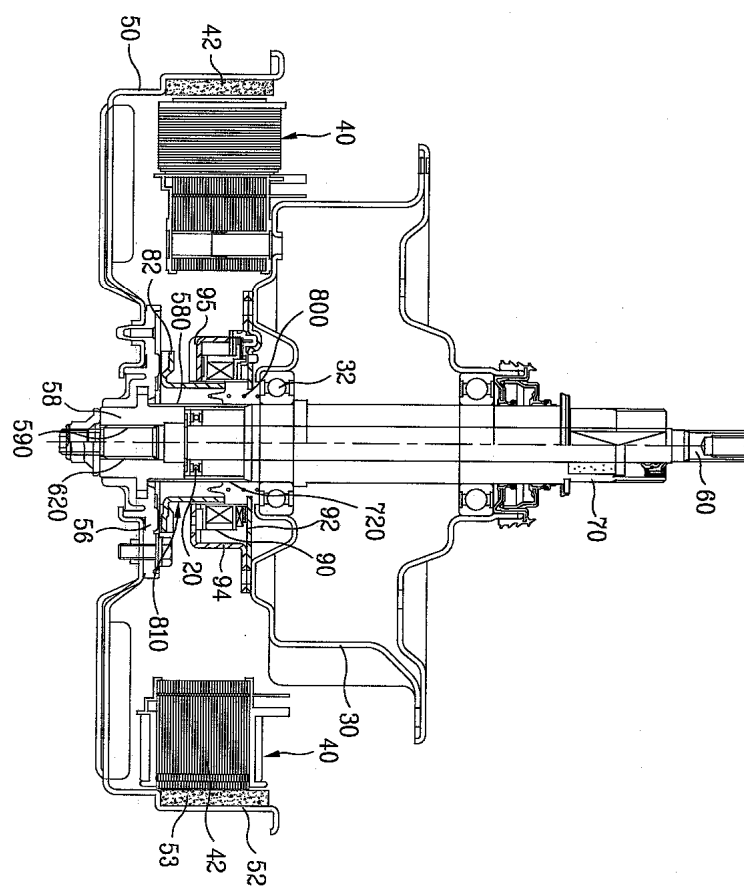
2.

1 , 2 0.1
 1 2

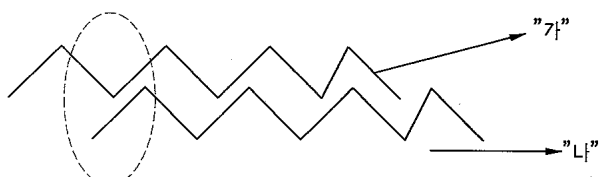
1 **3.** , 0.2
3
4.
5.



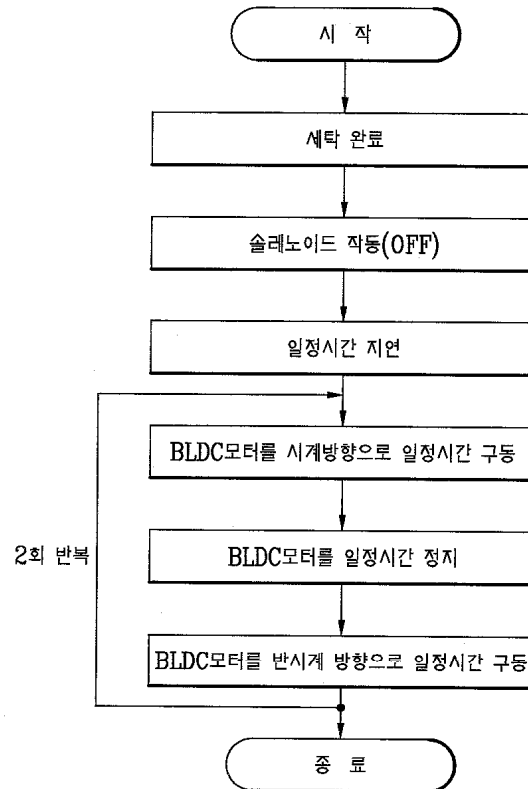
1b



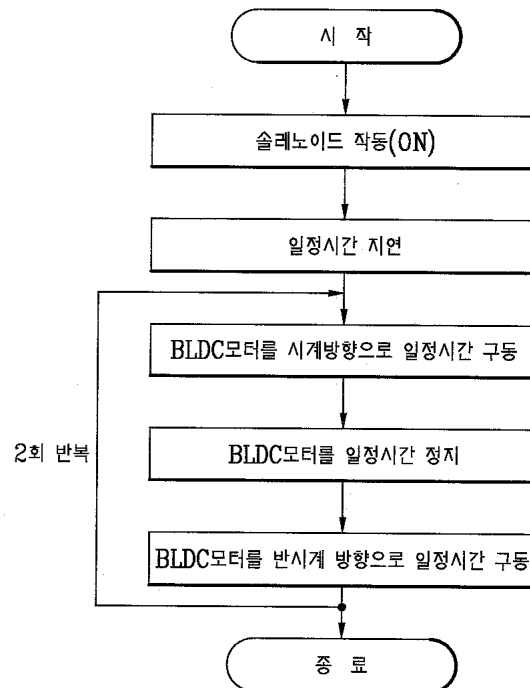
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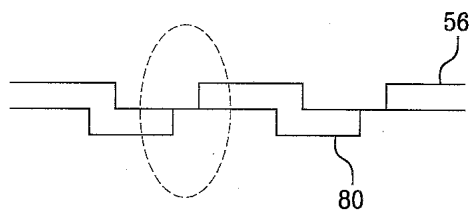
3a



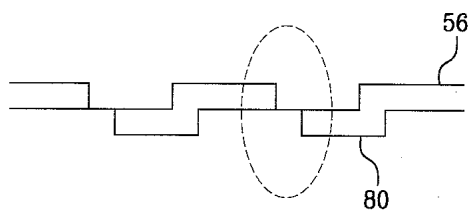
3b



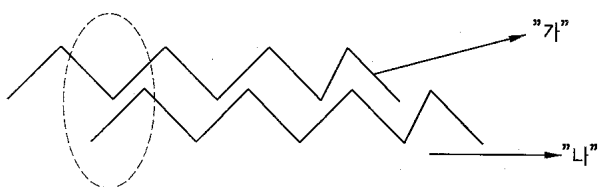
4a



4b



5a



5b

