

(19)  
(12)

(KR)  
(B1)

(51) 。 Int. Cl.<sup>6</sup>  
H02K 9/06  
H02K 5/10

(45)  
(11)  
(24)

2004 06 26  
10-0424046  
2004 03 10

(21) 10-1996-0057546  
(22) 1996 11 26

(65)  
(43)

10-1997-0031171  
1997 06 26

(30) 7-307125 1995 11 27 (JP)

(73) 가 가 가 4-6

(72) 가 1 27-4

가 1 10-1, 202

6 4-21

1 33-11

(74)

:

(54) -

(4)

가

도 1

1A

1B - , ,  
 2 - , ,  
 3 - , ,  
 4A - , ,  
 4B 4A , ,  
 5A - , ,  
 5B 5A , ,  
 6A - , ,  
 6B 6A , ,  
 6C 6B , ,  
 7 - , ,  
 8 - , ,

- , 가  
 가  
 4A 4B (101), (108)  
 (107), (air gap)(110) (107) (106)  
 (105) (101) 가 2 (102),  
 (112) 2 (103), (103) (112),  
 (113) (105), (106), (107)  
 (108) (105) 4A (104)  
 , (108) (104) (103) ,  
 (104) (104) (104) (112)  
 - 5A 5B , , -  
 88,445/1987 , 4A 4B  
 5A 5B (104) (104a)  
 (104b), (109) (104)  
 (104a) (104)  
 (104b) (104) 2 (104a)  
 (109) (104) (101) (105)  
 (107) (104a) 5A  
 , 5A , (109) (104)  
 ) (109) (110) (ducts)(111)

, 5A (113a) (112) (104) (113) (1  
04b) 113,562/1989  
6A, 6B 6C 6A, 6B 6C 2 -  
6A, 6B 6C (115)  
(104a) (117) (115) (115) (104a) (116)  
) 6A, 6B 6C (115) (117) (115)가  
4A 4B 가  
4A 4B 12% 가  
, 5A 5B (104) 2  
, 2 (105) (A) (B)  
, (A) (105) (B) (104) 가 (B)  
, (B) (104a) 가 (A)  
, 5A 5B 가  
, 6A, 6B 6C (117) (115)  
(104)  
가 (115) (pitch) (117) -  
, 가 (104) 가 가  
, 가 가  
가  
가  
(rib)

가

가

가

가

가

5-12

가 0.4-0.65

1.5-5

1A 1B

1A

1B

(1),  
(7)

(1)

(8)

(7),

(10)

(6)

(5)

(5)

(4)

(1)

가

2

(2),

(5)

(7)

(4)

(9)

(4)

(4)

(4b)

(1)

(3)

(12),  
(13)

(12)

(12)

(4b)

가

4b),

(4c),

(4d)

(4)

(4a),

(4a)

(4)

(

(4b)

(4)

2

(4a

(4b)

(4)

2

(9)

(4)

(1)

(5)

(7)

2

(4d)

(4a)  
(4a)

(4d)

(4b)

2

(4d)  
(4c)

(4a)  
(4d)

(4a)

1A

1B

(4a)가

(4a)

(4c)가

(4a)

6

6

(4a)

(4)

(4c)

6

(4a)

2

1A

(9) (10) (4) (4a) (9)

(13) 1A (12) (4)

(4b) (13a) (4)

(7) (8) (5) (4) (5) (6)

(9) (4) (12)

(4) (4a) 가 (4c)

가 (12) (4) (4)

6 (4)

가 (5) (4) 가 (5)

(4) 가 (4)

135 (4c) 4A 4B (106)

35%가 88 6

5A 5B (106) 102 6

6A, 6B 6C 14%가 (6) 88

2 (4) (4a)

(4c) (4) (4a)

(4c) 가 (4c) 가

3 (5) 300mm-1000mm (4) (4a) (4) (4a)

(4) (K/W) (K/W)

4a) 가 (4a) (K/W) (X1) (4) (5) (

K/W) (X2) (4) 2 가 (5) (

A) (4a) 가 (X1) 가 (4) (5)

(4) 가 (X2) 가 (4) (5)

(4a) 가 (4a)

3 3 (4a) 5-12

가 가

가 (4) (5)

(6) 7

7 (6) 0.

4-0.65 300mm-1000mm 가 0.65

(4) (6)

7 (Y) 가 (5) (4)

(4) (5) (4)

(4) (4c) (4)

가

0.2-0.3

(5) 300mm-1000mm 가 (4a)

(4c) (Z) (4) (4a) (4c)

(5) (5) (4) 1.5-5 (4a) (4c)

(4) (5)

가

가

가

가

5-12

가 0.4-0.65

1.5-5가

(57)

1.

가

가

가

가

2.

1

5-12

3.

1

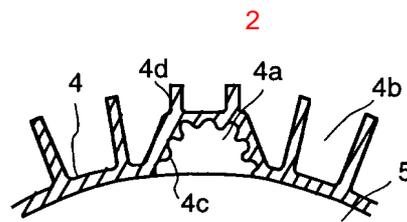
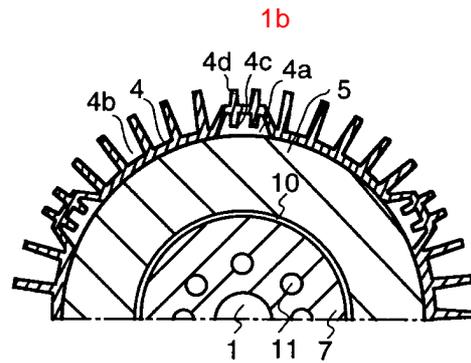
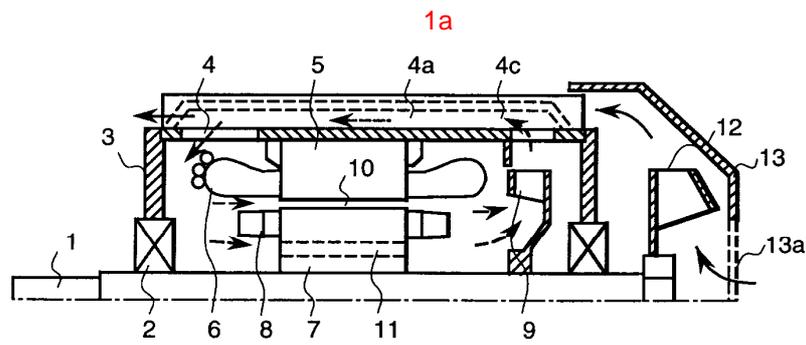
가 1.5-5

4.

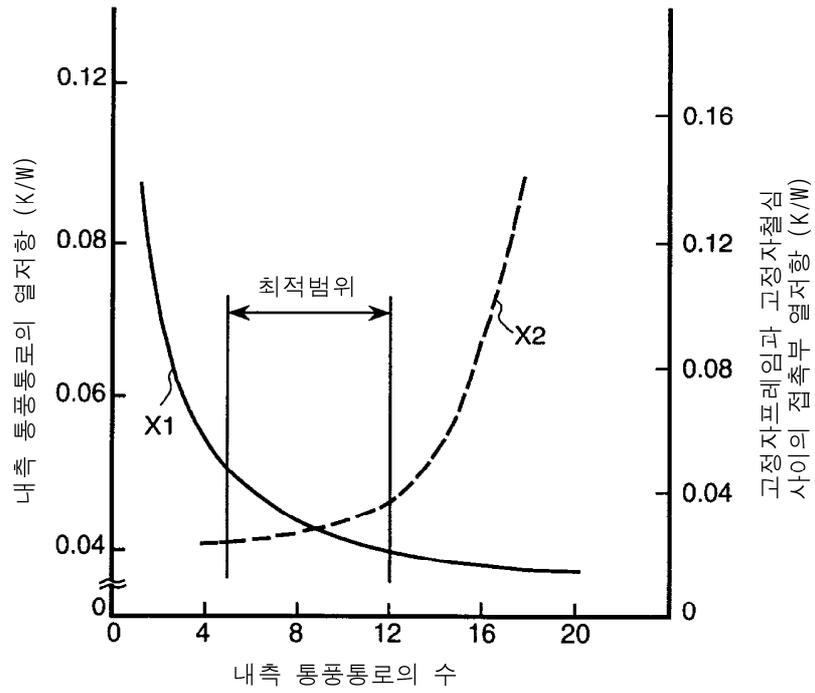
1

가

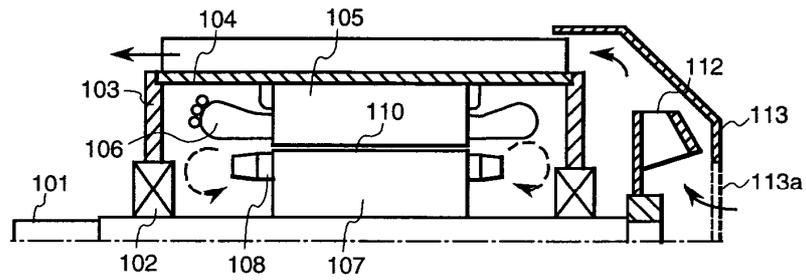
가 0.4-0.65



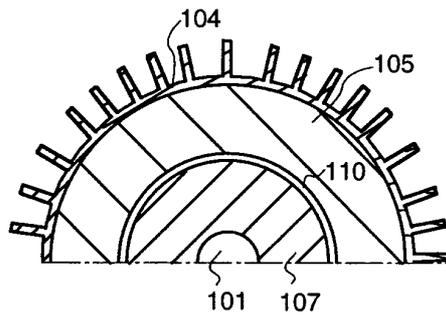
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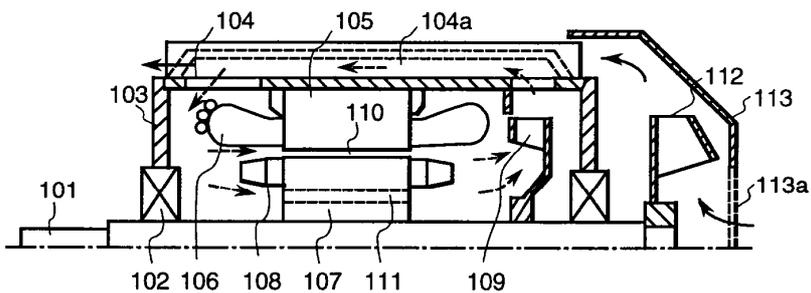
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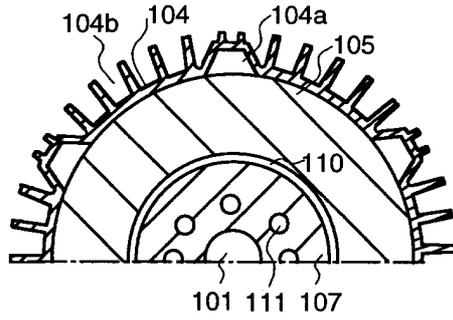
4b



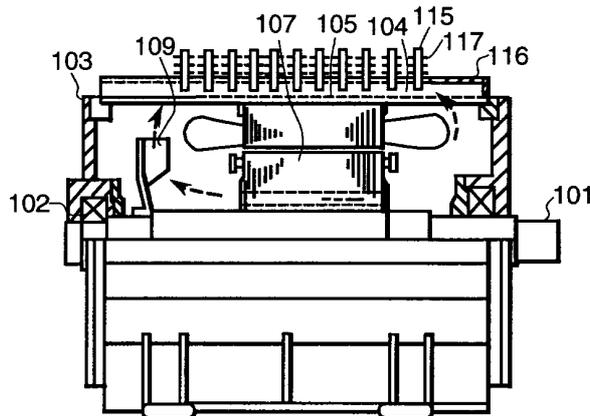
5a



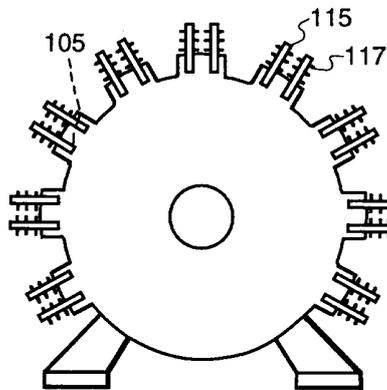
5b



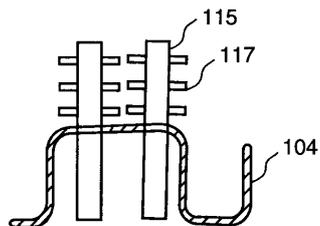
6a



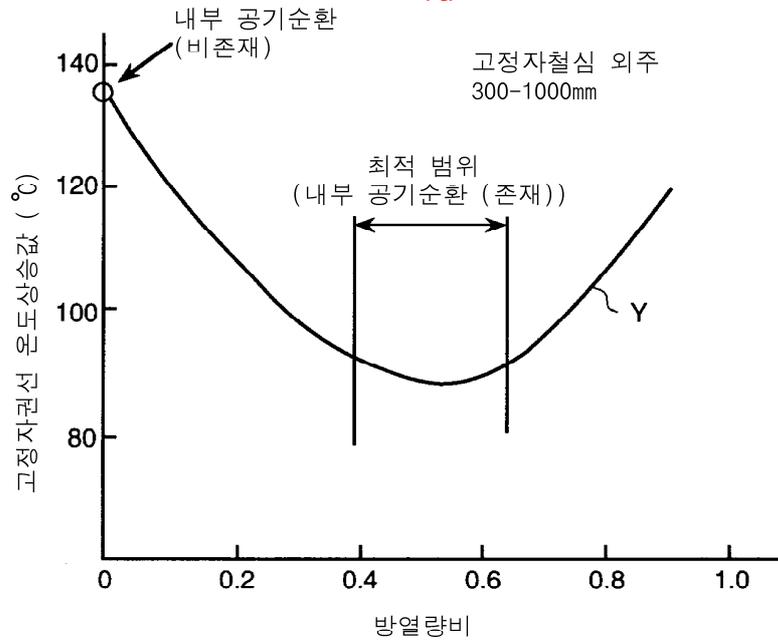
6b



6c

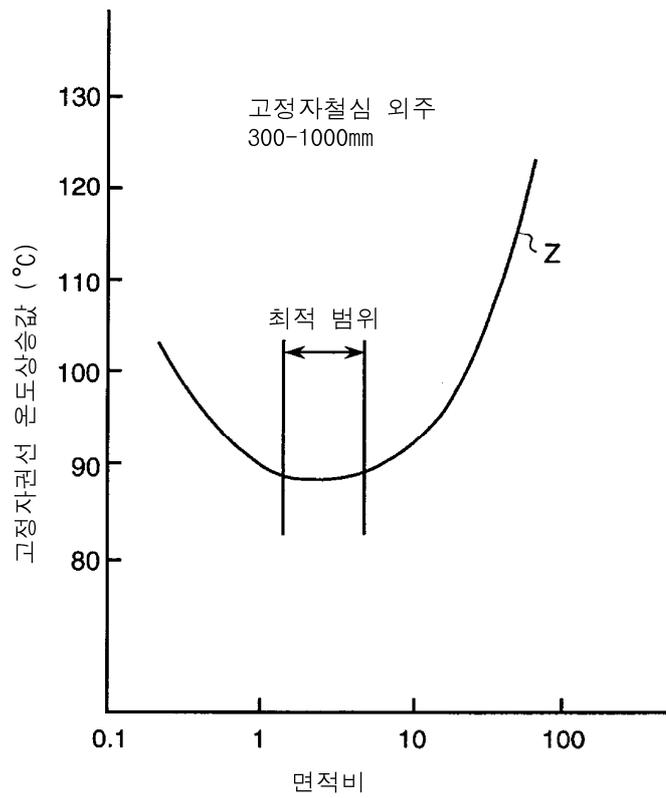


7a



(내부 공기순환에 의해 고정자프레임을 통해 방열되는 열량/열전도에 의해 고정자프레임을 통해 고정자철심으로부터 방열되는 열량)

8



(고정자프레임의 내면 통풍 방열리브 면적 / 고정자프레임과 고정자철심의 끼워지는 면적)