

(19) (12) (KR) (A)

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(11)  
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(22) 2003 07 03

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(71) 가 가 448-8661 가 1-1

(72) 448-8661가 1-1가 가  
448-8661가 1-1가 가  
448-8661가 1-1가 가

(74)  
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(54)

2) (31) (35) (2) (4) (32) (3) (32) (331a)(331b)(332a)(332b)  
W1) (331a)(331b) (332a)(332b) (35) (35) 1 2 (331a)  
) (331b)(332a)(332b) 1 2 (331a)

1

2

3

4

5

\* \*

1: 2:

3: 5:

31: 32:

33: 35:

331a, 331b, 332a, 332b:

331c, 332c:

2927288 ( 5,998,903 )  
(U-shaped conductor segment)  
U

U

가

가

가

가

(teeth) 가  
(magnetic noise) 가

가

가  
(magnetic vibration) 가

1 2  
1 2

1 2  
1 2 1

2 (teeth)

3

1 (3) (4a) (4b) (1) (4) (5) (2) (4a)  
(4b) (5) (stud bolt)(4c) (2) (3) 가

(3) (6) (3) (Lundell-type) (pole core)(7) ,  
(8) (9)(10) (6) (20) ( ) (mixed flow fan)(11) ( ) (12)

s portion)(71) (7) (7) (6) (bos  
(claw pole)(73) (71) (disc portion)(72) 16

(20) (11) (acute angle) (111)  
(11) (3) (11) (20) (7)  
(12) (121) (121)

) 2 (4) (31b) (41) (4) (2) 1 (31a)  
(shoulder portion) (42)

5) (5) (1) (20) 1 (31a) (

32) (2) (31) (32) (34) (31) (31)  
(32) (34) (32) (31)  
(4b) (32) (4a) (4c)  
(4d)

2 (32) (31) (35)  
(3) 72 (35) 3 (31)

(31) (group) 가 (35)  
, 2 , 4 가 (35)

(35) (32) (32)  
2 , 4 ( ) (32)

(35) (W2) (W1) 가 (35)  
 (35) (32) (W2) ( )  
 1 2 1 2  
 (31a) (turn portion) (31) 2 2 1 1 (31b)  
 (35) (35) (pole-pitch) (35)  
 (35) (gap)  
 5) 1 (35) (331a) (32) 1 2 (3  
 (32) (331b) 1 (35) 1 (35) (332a)  
 2 (35) (332b) (332a)  
 (331c)(332c) (331a)(331b) (332a)(332b) (32)  
 (332c) (32) (332b) (331b) (332a)  
 (331c) (331b) (332a)  
 5) 1 (35) (332a) (32) 1 2 (3  
 (32) (331a') 1 (35) 1 (35) (332b) (331b')  
 2 (35) (332b) (331b')  
 (32) (32)  
 (32) (32)  
 (332 a) (331b) (332b) (331a)  
 (32)  
 r segment) U (U-shaped conducto  
 1 2 가 1 2 (35) 1 2  
 3 (331a) (331b) (large) (331)  
 (332a) (332b) (small) (332)  
 (331) (332) U  
 33) (331) (332) (33) ( )  
 (32) 2 (turn) (35)  
 1 2 (lap)  
 (33)  
 , 9 1 2 (lap) 가  
 ( ) (331a) (331) ( ) (331b)  
 (35) (331a) (32) (331b)(331a)가 1 2  
 P( 4)

(331a)(331b) 1 (331b)(331a) 2 (35) (331c) (331a)(332b) (35) , (331c) , (331a)(332b) (35) , (332a) (332) , (332) (332b)(332a)가 1 2 (35) P (332b)(332a) 1 2 (35) (332c) (332b)(332a)가 (331c) (35) , (332) (331) (332) (331) (332a)(332b)가 P 가 , (332) (331) (332a)(332b) 2 P (35) , (331) (35) 1 (332) 2 (32) , (31) (331c) (32) (33) (332) (332c)가 (331) (331) (332) (331a) (32) 1 (35) (332) (331) (332a) 1 (35) (331b) 2 (35) (332b) 2 (35) , (331a)(332a)(332b')(331b') 2 (332b')(331b') 1 1 (35) (331)가 2 (31b) , (331a)(331b) (331d)(331e) (332a)(332b) (가 ) 1.5 (332)가 (가 ) 1.5 (35) (331e') (332e) ( ) , 2 (31b) (332d) (331d') , 4 (2)가 (35) 1 (1) 2 , ( ) (W1) (W2) , (35) (33) (35) 1 2 , (31) (31) 가 (35) (33) (35) 가 , (31)

(35) 가 , 1  
2 (31) , (32) (teeth)

(35) (33) (331c)(332c) (35) 가 가  
가  
가

(35) 3 가 , 8 (35) 8 가  
2 5 , (35) 1  
(31) U

가 , 가 , 가

가 , 가

(57)

1.

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1 2 ,  
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1 2 , 1

2.

1 ,  
1 2 가 , 1 2 1 2

1 3. 2 ,

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1 4. 2 ,

1 2

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1 5. 2 ,

1 , 2 1 2 U

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5 6. ,

1 2 1 2 가 , 1 2

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6 7. ,

1 2

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1







