[0014] As shown in FIG. 3-1, the four teeth 12 of the U-phase group 12U are integrated by a first insulator 51. The first insulator 51 includes an annular first crossover wire guide 51a, and four (plural) first winding units 51b radially provided on the outer circumference of the first crossover wire guide 51a to be separated from each other by 90 degrees. The first crossover wire guide 51a includes an annular first floor part 51aa, and a first cylindrical part 51ab provided on the inner circumference of the first floor part 51aa. The first floor part 51aa allows a first crossover wire 61a (see FIG. 4-1) to run thereon, and the first cylindrical part 51ab allows the first crossover wire 61a to run therealong, whereby the parts 51aa and 51ab guide the first crossover wire 61a.

[0015] Each of the first winding units 51b includes a first barrel part 51ba that covers an upper half of the relevant tooth 12 of the U-phase group 12U, a first outer flange 51bb provided outside of the first barrel part 51ba, and a first inner flange 51bc provided inside of the first barrel part 51ba and connected to the first crossover wire guide 51a. A first gate 51bd that allows the first crossover wire 61a (see FIG. 4-1) to pass therethrough is provided between the first crossover wire guide 51a and the first winding unit 51b at an upper center of the first inner flange 51bc.

[0016] Third insulators 53 each include a barrel part 53ba that covers a lower half of one of the teeth 12, an outer flange 53bb provided outside of the barrel part 53ba, and an inner flange 53bc provided inside of the barrel part ~~51ba~~ 53ba. Pins 53c serving as relay points between an external power wire and the winding wire or neutral points of winding ends of the U-phase winding wire and the V-phase winding wire are attached outside of the outer flanges 53bb,

[0035] As shown in FIGS. ~~11-1 and 11-2~~ 10-1 and 10-2, in a ventilation fan 100 according to the present embodiment as a blower, the motor 90 according to the present embodiment that drives a fan 102 is mounted on a frame 101. Because the ventilation fan 100 as the blower includes the motor 90 according to the present embodiment, the ventilation fan 100 has a high reliability and a long life and is inexpensive. Although not shown, the motor 90 according to the present embodiment can be mounted on an electric fan as the blower.

Reference Signs List

[0036]
10 stator core
11 yoke
11a depressed portion
12 tooth
12a base end
12U U-phase group
12V V-phase group
51 first insulator
51a first crossover wire guide
51aa first floor part
51ab first cylindrical part
51b first winding unit
51ba first barrel part
51bb first outer flange
51bc first inner flange
51bd first gate
52 second insulator
52a second crossover wire guide
52aa second floor part
52ab second cylindrical part
52ac claw