

ABSTRACT

Refrigerating Apparatus, And Refrigerator Control And Brushless Motor Starter Used in Same

When a lock detecting means 17 detects a locked state of a DC motor 4 in a starting stage, a torque increasing means 18, 27, 29 or 31 immediately selects a starting sequence pattern of an output torque that is greater by one step, and outputs the same to a starting sequence control means 13, so that a compressor 5 can be restarted speedily without repeating starting failures. A compressor 41, driven by a DC motor 43, has a shell of an internal pressure approximately equal to the pressure of an inhalation gas. An inverter 53 is provided to make the speed of the DC motor 43 variable. A rotational frequency setting circuit 56 sets the rotational frequency of the DC motor 43 to a frequency that is not greater than the frequency of a commercial power source when the internal temperature of a refrigerator is stabilized. By this construction, the power consumption can be remarkably reduced.

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