

REFRIGERATING APPARATUS, AIR CONDITIONER USING THE SAME
AND METHOD FOR DRIVING THE AIR CONDITIONER

ABSTRACT OF THE DISCLOSURE

In a refrigerating machine having a heat exchanger, a rated compressor for which the frequency of driving power is fixed, a power control mechanism which is disposed in the compressor and serves to return a part of the refrigerant in the cylinder under a compressing process to the cylinder under sucking process, a refrigerant return mechanism for returning a part of the refrigerant discharged from the compressor to a refrigerant suction side of the compressor, and a controller for selectively controlling the power control mechanism and the refrigerant return mechanism to make the output power variable. A pole-changeable type compressor having a pole changer may be used in place of the rated compressor having the power control mechanism, and the output power is made variable by selectively controlling the pole changer and the refrigerant return mechanism.

This Sheet Has Been Replaced

