

Title (en)

CONTROL DEVICE OF VARIABLE DISPLACEMENT COMPRESSOR AND VARIABLE DISPLACEMENT CONTROL DEVICE OF REFRIGERATING CYCLE

Title (de)

STEUERVORRICHTUNG FÜR VERDICHTER MIT VARIABLER VERDRÄNGUNG UND VORRICHTUNG ZUR STEUERUNG DER VARIABLEN VERDRÄNGUNG FÜR KÜHLKREISLAUF

Title (fr)

DISPOSITIF DE COMMANDE D'UN COMPRESSEUR A DEPLACEMENT VARIABLE ET DISPOSITIF DE COMMANDE A DEPLACEMENT VARIABLE D'UN CYCLE DE REFRIGERATION

Publication

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Application

**EP 02765373 A 20020829**

Priority

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Abstract (en)

The present invention provides a control device of a variable displacement compressor and a variable displacement control device of a refrigerating cycle, capable of providing optimal responsiveness and stability under different conditions, by adopting a structure in which a control chamber pressure is controlled with a control valve electrically controlled by a control signal provided from the outside without using a pressure sensitive member. The present invention is adopted in conjunction with a variable displacement compressor 3, the discharge capacity of which is controlled through an adjustment of a crank chamber pressure achieved by electrically controlling a pressure control valve that enables a pressure supply from a discharge space 27 to a crank chamber 24 and also a pressure release from the crank chamber 24 to a suction space 26 with a control signal provided from the outside and adjusts a gain in an arithmetic expression used to calculate the control signal in correspondence to a value representing a physical quantity that affects the air conditioning state. <IMAGE>

IPC 1-7

**F24F 11/02**; **F04B 27/08**

IPC 8 full level

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