

Title (en)

COMPRESSION DISPLACEMENT CONTROLLER OF REFRIGERATING CYCLE

Title (de)

REGLER FÜR DEN VERDICHUNGSGRAD EINES KÜHLMITTELS IN EINEM KÜHLKREISLAUF

Title (fr)

CONTROLEUR DE CYLINDREE DE COMPRESSION POUR CYCLE FRIGORIFIQUE

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Application

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- JP 2001123750 A 20010423

Abstract (en)

In a compression capacity control device for a refrigeration cycle including a variable displacement compressor (10) that compresses refrigerant sucked from a suction chamber (3) communicating with a suction line (1), and discharges the refrigerant into a discharge chamber (4) communicating with a discharge line (2), while varying the delivery quantity of the refrigerant by changing pressure in a pressure-regulating chamber (12) which has the pressure therein controlled by an electromagnetic control valve (20), the electromagnetic control valve (20) arranged between the discharge chamber (4) and the pressure-regulating chamber (12) is held in an open state to place the variable displacement compressor (10) in a state with the minimum delivery quantity within a variable range, when the electromagnetic control valve (20) is in a deenergized state. This makes it possible to dispense with a clutch for inhibiting operation of the compressor, thereby largely reducing the device cost. <IMAGE>

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