

Title (en)

SCROLL COMPRESSOR, CONTROL METHOD THEREFOR, AND AIR CONDITIONING APPARATUS

Title (de)

SPIRALVERDICHTER, STEUERUNGSVERFAHREN DAFÜR UND KLIMATISIERUNGSVORRICHTUNG

Title (fr)

COMPRESSEUR À SPIRALE, SON PROCÉDÉ DE COMMANDE ET APPAREIL DE CLIMATISATION

Publication

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Application

**EP 18850260 A 20180807**

Priority

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Abstract (en)

[origin: EP3613986A1] The purpose of the present invention is to avoid the influence of an increase in oil temperature on peripheral devices while suppressing deterioration of the efficiency of a compressor. This scroll compressor is provided with a back pressure chamber, an oil discharge passage through which oil discharged from the back pressure chamber returns to an oil reservoir in a housing, a valve provided to the oil discharge passage, and a control device which controls the opening degree of the valve. When the compressor rotating speed R is lower than a first threshold Rth1, the control device controls the flow rate of oil flowing through the oil discharge passage to a preset first flow rate or lower, and temporarily increases the flow rate of oil flowing through the oil discharge passage at a prescribed timing. When the compressor rotating speed R is equal to or higher than a second threshold Rth2, the control device controls the flow rate of oil flowing through the oil discharge passage to at least a second flow rate which is a value greater than the first flow rate.

IPC 8 full level

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