

Title (en)

METHOD FOR CONTROLLING A COMPRESSOR OF A REFRIGERATION SYSTEM, AND REFRIGERATION SYSTEM

Title (de)

VERFAHREN ZUR REGELUNG EINES VERDICHTERS EINER KÄLTEANLAGE SOWIE EINE KÄLTEANLAGE

Title (fr)

PROCÉDÉ DE RÉGLAGE D'UN COMPRESSEUR D'UNE INSTALLATION FRIGORIFIQUE ET INSTALLATION FRIGORIFIQUE

Publication

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Application

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Abstract (en)

[origin: WO2014023694A2] The invention relates to a method for controlling a compressor of a refrigeration system, said compressor having a motor, wherein the temperature of the cooling point is controlled by means of switch-on and switch-off operation of the motor if the temperature in the compressor exceeds an upper temperature threshold and the temperature of the cooling point is controlled by means of continuously switched-on operation of the motor as soon as the motor has cooled down to a lower temperature threshold, wherein the control system converts a manipulated variable corresponding to the cooling demand of the cooling point into a switching signal for a valve, which switching signal causes clocked opening and closing of the valve, or a frequency converter controls the refrigerant flow through the compressor by controlling the voltage and the frequency of the motor, in that the frequency converter converts a manipulated variable corresponding to the cooling demand of a cooling point into a voltage and a frequency for the motor.

IPC 8 full level

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See references of WO 2014023694A2

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