

Title (en)
METHOD FOR MANAGING AN AIR CONDITIONING CIRCUIT OF A MOTOR VEHICLE

Title (de)
VERFAHREN ZUR VERWALTUNG EINER KLIMAAANLAGE FÜR EIN FAHRZEUG

Title (fr)
PROCEDE DE GESTION D'UN CIRCUIT DE CLIMATISATION DE VEHICULE AUTOMOBILE

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Application
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Abstract (en)
[origin: WO2019020952A1] The present invention relates to a method for managing an air-conditioning circuit (1) within which a refrigerant fluid circulates in a cooling mode, the refrigerant fluid flowing successively through: a compressor (3); a condenser (5); and expansion device (7); and an evaporator (9), said air-conditioning circuit (1) including a central control unit (10) that is capable of controlling the opening of the expansion device (7), said method including: a step of calculating the opening Cestim of the expansion device (7) on the basis of measurements of operating parameters of the air-conditioning circuit (1) and of determining a setpoint overheating SHcomp_in_sp, SHcomp_in_sp being comprised between a minimum overheating SHcomp_in_sp_min and a maximum overheating SHcomp_in_sp_max; a step of opening the expansion device (7) according to Cestim and of controlling the overheating SHcomp_in by varying the opening of the expansion device (7) so as to reach the setpoint overheating SHcomp_in_sp and maintaining SHcomp_in between SHcomp_in_sp_min and SHcomp_in_sp_max.

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