

Title (en)

METHOD OF PROTECTING A REFRIGERATION PLANT AGAINST DEPOSITS OF ADDITIVES IN THE REFRIGERANT CIRCUIT

Publication

EP 0227504 B1 19890920 (FR)

Application

EP 86402443 A 19861031

Priority

FR 8516355 A 19851105

Abstract (en)

[origin: EP0227504A1] 1. A method for monitoring and protecting a refrigeration plant, in particular against deposits of additives present in the refrigerant fluid, of the type formed by a heat-insulating chamber equipped with an access door and refrigerated by the evaporator of a single or double circuit for the circulation of refrigerant fluid(s), the refrigeration plant comprising a sensor of the temperature (theta 2) of the heat-insulating chamber, a sensor (45) of the opening of the access door, these sensors being connected to a unit (40) for processing the data supplied by the said sensors, the said unit being in its turn connected to means for alarm and protection (48, 49, 50), the method being characterised in that : - the temperature (theta 1) of the refrigerant circuit is sensed at regular intervals and memorised ; - this information is compared in the course of time in order to calculate the direction of drift of the temperature ; - the alarm and protection means (48, 49, 50) are actuated when the temperature drift (theta 1) of the refrigerant circuit is positive and when the temperature (theta 2) of the heat-insulating chamber is outside a prescribed range.

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CPC (source: EP)

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Cited by

EP1139041A3; CN102232166A; CN104676941A; EP3351872A1; US6529133B2; US6341876B1; WO9209977A1; WO2011041374A3; US8011191B2; US9835360B2; US10072876B2; US10816243B2; US10845097B2

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