

Title (en)

A METHOD FOR GENERATING EARLY TEMPERATURE WARNING IN A VAPOUR COMPRESSION SYSTEM

Title (de)

VERFAHREN ZUR ERZEUGUNG EINER FRÜHEN TEMPERATURWARNUNG IN EINEM DAMPFKOMPRESSIONSSYSTEM

Title (fr)

PROCÉDÉ DE GÉNÉRATION D'AVERTISSEMENT DE TEMPÉRATURE PRÉCOCE DANS UN SYSTÈME DE COMPRESSION DE VAPEUR

Publication

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Application

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Priority

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Abstract (en)

[origin: EP4227603A1] A method for operating a vapour compression system (1) is disclosed. A cut-in temperature, a high temperature alarm limit and a high temperature alarm delay time are set. A maximum acceptable relative decay value is derived, based on the high temperature alarm limit and the high temperature alarm delay time. The vapour compression system (1) is operated while monitoring a temperature inside a refrigerated volume and continuously deriving a weighted mean temperature prevailing inside the refrigerated volume, during a moving time window of a predefined length. In the case that the weighted mean temperature inside the refrigerated volume exceeds the cut-in temperature, a timer is started, and a delay time is derived, based on the weighted mean temperature and the maximum acceptable relative decay value. A warning is generated when the timer reaches the derived delay time.

IPC 8 full level

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