

Title (en)

METHOD AND SYSTEM FOR DETECTING A FAILURE IN HVAC SYSTEM

Title (de)

VERFAHREN UND SYSTEM ZUR FEHLERERKENNUNG IN EINEM HLK-SYSTEM

Title (fr)

PROCÉDÉ ET SYSTÈME DE DÉTECTION DE DÉFAILLANCE DE SYSTÈME CVC

Publication

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Application

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Abstract (en)

[origin: WO2020014033A1] The invention relates to a method, a system and a storage for detecting a fault of a HVAC system. The method comprises the steps of: obtaining room air temperatures and compressor equivalent runtime during the operation of the HVAC system; calculating a rate of change per unit time of the room air temperatures within the compressor equivalent runtime; and determining whether a fault occurs in the HVAC system based on a change in the rate of change per unit time of the room air temperatures. The invention can be applied to a HVAC system for an on-line fault detection, which is able to effectively detect a series of faults and may output information such as an alert to help to increase the security and the user satisfaction of the HVAC system.

IPC 8 full level

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