

Title (en)

A TEMPERATURE CONTROLLER DEVICE, A METHOD AND A SYSTEM FOR DETERMINING A SETBACK TEMPERATURE

Title (de)

TEMPERATURREGELVORRICHTUNG, VERFAHREN UND SYSTEM ZUR BESTIMMUNG EINER ABSENKTEMPERATUR

Title (fr)

DISPOSITIF DE RÉGULATEUR DE TEMPÉRATURE, PROCÉDÉ ET SYSTÈME DE DÉTERMINATION D'UNE TEMPÉRATURE DE POINT DE CONSIGNE

Publication

EP 4191152 A1 20230607 (EN)

Application

EP 21211724 A 20211201

Priority

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Abstract (en)

Disclosed is a temperature controller device comprising a temperature sensor configured to obtain a first temperature reading within an enclosed area; an air intake sensor configured to derive a second temperature reading outside the enclosed area; a timer configured to measure an operating time of the temperature controller device; an input module configured to obtain a desired temperature and/or a setback duration; a processor operable to calculate: (i.) a first thermal load rate based on the first temperature and second temperature reading, and the operating time of the temperature controller device, and (ii.) a setback temperature; wherein the setback temperature is a function of the first thermal load rate, the setback duration, and the desired temperature. A method and system for determining a setback temperature associated with the temperature controller device are also disclosed.

IPC 8 full level

F24F 11/46 (2018.01)

CPC (source: EP)

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Citation (search report)

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Designated contracting state (EPC)

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BA ME

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