Title (en)

DEVICE FOR CONTROLLING THE TEMPERATURE IN AN ENCLOSURE

Title (de)

VORRICHTUNG ZUR TEMPERATURREGELUNG IN EINEM GEHÄUSE

Title (fr)

DISPOSITIF POUR LA REGULATION DE LA TEMPERATURE DANS UNE ENCEINTE

Publication

EP 3834047 A1 20210616 (FR)

Application

EP 19762318 A 20190620

Priority

- BE 201805424 A 20180620
- EP 2019066332 W 20190620

Abstract (en)

[origin: WO2019243490A1] The invention relates to a device (1) capable of being connected to an enclosure (2), the device comprising a first portion (3) which includes a thermoelectric module (4), the module being configured to maintain the temperature inside the enclosure (2) at a set value, and wherein the device comprises a stabilising portion above the thermoelectric module (4), comprising a motorised valve (20) that operates in accordance with the temperature differential created by the thermoelectric module (4) and in accordance with the temperature outside the device so as to maintain a stable temperature differential, regardless of said temperature outside the device. A third portion of the device arranged above the stabilisation portion may comprise a heat sink (46) and one or more additional thermoelectric modules (45) configured to recover a portion of the thermal energy removed from the enclosure (2) in the event that the enclosure is refrigerated relative to a higher temperature.

IPC 8 full level

G05D 23/19 (2006.01); **A01N 1/02** (2006.01); **F25B 21/02** (2006.01); **H10N 10/10** (2023.01)

CPC (source: EP US)

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