Title (en)

HVAC CONTROL SYSTEM FOR DYNAMIC TEMPERATURE CONTROL

Title (de)

HLK-REGELUNGSSYSTEM ZUR DYNAMISCHEN TEMPERATURREGELUNG

Title (fr)

SYSTÈME DE COMMANDE DE CHAUFFAGE, DE VENTILATION ET DE CLIMATISATION (CVC) POUR CONTRÔLE DYNAMIQUE DE LA TEMPÉRATURE

Publication

EP 3730856 A1 20201028 (EN)

Application

EP 20170010 A 20200417

Priority

BE 201905266 A 20190419

Abstract (en)

The present invention provides an HVAC control system (10) for controlling the temperature in at least one area of a building. The HVAC control system (10) comprises at least one user input interface (2) for receiving a setting from at least one occupant, at least one temperature control means (1) for controlling the temperature in the at least one area, and a control and communication unit (3) comprising a processor (4) for controlling the at least one temperature control means (1) to set a presence temperature setting (T_{PRES}) and an away temperature setting (T_{AWAY}) respectively for when the at least one occupant is present in the at least one area or is not present in the at least one area. The HVAC control system (10) furthermore comprises means (6) for tracking activity by the at least one occupant in the at least one area. The processor (4) is further adapted to automatically send a signal to the temperature control means (1) to adapt the presence temperature setting (T_{PRES}) to at least an activity_high temperature setting (T_{ACT_HIGH}) upon receiving a signal indicative of activity in the at least one area, or to an activity_low temperature setting (T_{ACT_LOW}) upon no longer receiving a signal representative of activity from the means (6) for detecting activity, and in response thereto the temperature in the at least one area is automatically and directly set to respectively the activity_high temperature setting (T_{ACT_HIGH}) or the activity_low temperature setting (T_{ACT_LOW}), so that it becomes more comfortable for the occupant.

IPC 8 full level

F24F 11/56 (2018.01); **F24F 11/30** (2018.01); **F24F 11/50** (2018.01); **F24F 11/64** (2018.01); F24F 120/10 (2018.01); F24F 120/14 (2018.01)

CPC (source: EP)

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Citation (applicant)

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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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