

Title (en)
ROOM TEMPERATURE ESTIMATING DEVICE, PROGRAM

Title (de)
RAUMTEMPERATUR-MESSVORRICHTUNG, PROGRAMM

Title (fr)
PROGRAMME, DISPOSITIF D'ESTIMATION DE TEMPÉRATURE AMBIANTE

Publication
EP 2944891 A1 20151118 (EN)

Application
EP 14738327 A 20140109

Priority
• JP 2013003586 A 20130111
• JP 2014000056 W 20140109

Abstract (en)
A room temperature estimating device (10) includes a storage (13), a prediction formula producer (15), a prediction change obtainer (16), and a room temperature estimator (17). The prediction formula producer (15) produces, based on pieces of room temperature data and pieces of outside air temperature data corresponding to a specified time in each of two or more days during a given extraction period, which are stored in the storage (13), a prediction formulae expressing a relation between the pieces of the room temperature data and the pieces of the outside air temperature data at the specified time. The room temperature estimator (17) determines, based on a temporal change in outside air temperature obtained by the prediction change obtainer (16), an outside air temperature at a target date and time corresponding to the specified time, and applies the determined outside air temperature to the prediction formula, and thereby to estimate a room temperature at the target date and time.

IPC 8 full level
F24F 11/02 (2006.01)

CPC (source: CN EP US)
F24F 11/30 (2017.12 - CN EP US); **F24F 11/62** (2017.12 - CN EP); **F24F 11/89** (2017.12 - CN); **F24F 2110/10** (2017.12 - CN);
F24F 11/64 (2017.12 - EP); **F24F 2110/10** (2017.12 - EP); **F24F 2110/12** (2017.12 - EP)

Cited by
US11989002B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 2944891 A1 20151118; **EP 2944891 A4 20160420**; **EP 2944891 B1 20190911**; CN 104919252 A 20150916; CN 104919252 B 20171024;
JP 2014134360 A 20140724; JP 6160945 B2 20170712; WO 2014109290 A1 20140717

DOCDB simple family (application)
EP 14738327 A 20140109; CN 201480004442 A 20140109; JP 2013003586 A 20130111; JP 2014000056 W 20140109