

Title (en)

METHOD FOR ON-DEMAND CONTROL OF A DEVICE FOR LAYERED VENTILATION AND DEVICE FOR LAYERED VENTILATION

Title (de)

VERFAHREN ZUR BEDARFSGERECHTEN REGELUNG EINER VORRICHTUNG FÜR EINE SCHICHTLÜFTUNG UND VORRICHTUNG FÜR EINE SCHICHTLÜFTUNG

Title (fr)

PROCÉDÉ DE RÉGLAGE D'UN DISPOSITIF DE VENTILATION PAR COUCHES EN FONCTION DES BESOINS ET DISPOSITIF DE VENTILATION PAR COUCHES

Publication

EP 2890936 A1 20150708 (DE)

Application

EP 13742031 A 20130730

Priority

- DE 102012108018 A 20120830
- EP 2013066026 W 20130730

Abstract (en)

[origin: WO2014032891A1] In order to provide a method (100) for controlling a device (10) for layered ventilation in a room to be ventilated (11), a layer boundary (12) being formed (V2) between a first geodesic lower air layer (13) and a second geodesic upper air layer (14) which method reduces the energy requirements of a device for layered ventilation using flexible, fully-automatic, on-demand control of the height of the layer boundary, the actual value of the height of the layer boundary (12) is measured at at least one position (16) in the room (11) to be ventilated (V4), the actual value is compared to a desired value (V5), and countermeasures are taken against a deviation of the actual value from the desired value by controlling the device (10) for layered ventilation (V7).

IPC 8 full level

F24F 11/00 (2006.01); **F24F 7/007** (2006.01); **F24F 7/08** (2006.01)

CPC (source: EP US)

F24F 7/007 (2013.01 - EP); **F24F 7/08** (2013.01 - EP); **F24F 11/0001** (2013.01 - EP); **F24F 11/30** (2017.12 - EP US); **F24F 11/46** (2017.12 - EP US); **F24F 11/63** (2017.12 - EP US); **F24F 11/80** (2017.12 - EP US); **F24F 2011/0002** (2013.01 - EP)

Citation (search report)

See references of WO 2014032891A1

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)

WO 2014032891 A1 20140306; DE 102012108018 A1 20140306; DK 2890936 T3 20170320; EP 2890936 A1 20150708; EP 2890936 B1 20161228; ES 2619103 T3 20170623; HU E033436 T2 20171128; MX 2015002535 A 20151014; MX 354984 B 20180328; PL 2890936 T3 20170630; PT 2890936 T 20170331

DOCDB simple family (application)

EP 2013066026 W 20130730; DE 102012108018 A 20120830; DK 13742031 T 20130730; EP 13742031 A 20130730; ES 13742031 T 20130730; HU E13742031 A 20130730; MX 2015002535 A 20130730; PL 13742031 T 20130730; PT 13742031 T 20130730