

Title (en)

AIR DIFFUSER WHICH CAN BE AUTOMATICALLY ORIENTED ACCORDING TO THE TEMPERATURE OF THE DISCHARGE AIR, WITH LIMITATION OF TRAVEL

Title (de)

BEWEGUNGSBEGRENZTER LUFTVERTEILER MIT AUTOMATISCHER AUSRICHTUNG GEMÄSS DER TEMPERATUR DER ABLUFT

Title (fr)

DIFFUSEUR D'AIR ORIENTABLE DE MANIÈRE AUTOMATIQUE EN FONCTION DE LA TEMPÉRATURE DE L'AIR DE SORTIE, À PARCOURS LIMITÉ

Publication

EP 2261573 A1 20101215 (EN)

Application

EP 08761546 A 20080523

Priority

- ES 2008000300 W 20080523
- ES 200800465 U 20080305

Abstract (en)

The invention relates to an automatically orientable air diffuser according to the discharge temperature, such that a blast of hot air is directed towards lower positions of the enclosure to be conditioned and a blast of cold air is directed towards upper positions of said enclosure, as a result of the pivoting with respect to a transverse horizontal axis of an inner body (2) or diffuser nozzle pushed by a lever pushed by a heat-expandable body. The outer casing (1) includes a pivoting movement-limiting element in the form of an angle bracket, one of the branches of which forms a stop element (10) for the pivoting inner body (2), whereas the heat-expandable element is assembled in a unit pushed by a spring (17) and can move backwards against the action of said spring (17) when it continues to push against the pivoting inner body (2) after the latter has reached the end of its travel. The assembly includes marks (14) which allow adjusting the pivoting amplitude.

IPC 8 full level

F24F 11/00 (2006.01); **F24F 13/062** (2006.01); **F24F 13/065** (2006.01); **F24F 13/14** (2006.01)

CPC (source: EP US)

F24F 11/46 (2017.12 - EP US); **F24F 13/065** (2013.01 - EP); **F24F 11/30** (2017.12 - EP); **F24F 13/062** (2013.01 - EP); **F24F 2013/144** (2013.01 - EP); **F24F 2013/1473** (2013.01 - EP); **F24F 2110/10** (2017.12 - EP)

Cited by

CN111238015A; JP2014070774A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2261573 A1 20101215; **EP 2261573 A4 20170419**; **EP 2261573 B1 20180502**; ES 1067472 U 20080516; ES 1067472 Y 20080816; ES 2671449 T3 20180606; PT 2261573 T 20180528; WO 2009109670 A1 20090911

DOCDB simple family (application)

EP 08761546 A 20080523; ES 08761546 T 20080523; ES 2008000300 W 20080523; ES 200800465 U 20080305; PT 08761546 T 20080523