

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 A4 20170419 (EN)

Application

EP 08761546 A 20080523

Priority

- ES 2008000300 W 20080523
- ES 200800465 U 20080305

Abstract (en)

[origin: EP2261573A1] 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

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CPC (source: EP US)

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Citation (search report)

- [A] ES 1063488 U 20061101 - KOOLAIR SA [ES]
- [A] WO 2007001111 A1 20070104 - SUN IL ENGINEERING CO LTD [KR], et al
- [A] US 2006172694 A1 20060803 - GAU DAVID A [US], et al
- [A] GB 2143028 A 19850130 - MATSUSHITA ELECTRIC IND CO LTD
- [A] US 2698570 A 19550104 - FEINBERG ARCHIE S
- [A] US 4537347 A 19850827 - NOLL ROBERT W [US], et al
- See references of WO 2009109670A1

Cited by

CN111238015A; JP2014070774A

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