Title (en)

METHOD FOR PREVENTING CONDENSATION BY AIR SUPPLY APPARATUS OF AIR CONDITIONER

Title (de)

VERFAHREN ZUR VERHINDERUNG VON KONDENSATION DURCH LUFTZUFUHRVORRICHTUNG EINER KLIMAANLAGE

Title (fr)

PROCÉDÉ DE PRÉVENTION DE CONDENSATION PAR UN APPAREIL D'ALIMENTATION EN AIR D'UN CLIMATISEUR

Publication

EP 3006855 A1 20160413 (EN)

Application

EP 14807746 A 20140523

Priority

- CN 201310215919 A 20130603
- CN 2014078205 W 20140523

Abstract (en)

A method for preventing condensation on an air-conditioner air supply apparatus is disclosed, and is based on the following air supply apparatus (1). The air supply apparatus (1) includes at least two annular air guiding bodies. The annular air guiding bodies are sequentially arranged from front to back. A front-back through though-duct is formed in the middle. An annual heat-exchange air duct is formed two adjacent annular air guiding bodies. An air inlet of a rear-end annular air guiding body (12) located at the rear is a non-heat-exchanged air inlet (122), and an air outlet of a front-end annular air guiding body (11) located in the front is a mixed air outlet (111). Because of the rear annular air guiding body in the two front-back adjacent annular air guiding bodies, heat-exchanged air blown out from the annular heat-exchanged air duct formed between the two adjacent annular air guiding bodies forms a heat-exchanged air film on a whole annular surface of the front annular air guiding body.

IPC 8 full level

F24F 13/22 (2006.01); **F24F 1/00** (2011.01); **F24F 1/01** (2011.01); **F24F 13/062** (2006.01); **F24F 13/08** (2006.01)

CPC (source: EP)

F24F 1/0011 (2013.01); **F24F 1/005** (2019.01); **F24F 13/062** (2013.01); **F24F 13/22** (2013.01); F24F 2013/221 (2013.01)

Cited by

EP3730858A4; US11454416B2

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 3006855 A1 20160413; **EP 3006855 A4 20170329**; **EP 3006855 B1 20180926**; CN 103453648 A 20131218; CN 103453648 B 20151125; WO 2014194764 A1 20141211

DOCDB simple family (application)

EP 14807746 A 20140523; CN 201310215919 A 20130603; CN 2014078205 W 20140523