

Title (en)

AIR CONDITIONER WITH AN AIR SUPPLY DEVICE

Title (de)

KLIMAANLAGE UND DESSEN LUFTZUFUHRVORRICHTUNG

Title (fr)

CLIMATISEUR AVEC DISPOSITIF D'ALIMENTATION EN AIR

Publication

**EP 3006853 A1 20160413 (EN)**

Application

**EP 14808157 A 20140523**

Priority

- CN 201310215869 A 20130603
- CN 201320314316 U 20130603
- CN 2014078216 W 20140523

Abstract (en)

Disclosed is an air-conditioner air supply apparatus, including at least two annular air guiding bodies (11, 12, 13) that are hollow and have front and rear openings. Each of the annular air guiding bodies (11, 12, 13) is a single component. The rear openings of the annular air guiding bodies (11, 12, 13) are air inlets, and the front openings thereof are air outlets. The at least two annular air guiding bodies (11, 12, 13) are arranged sequentially from front to rear, and a through-duct which runs from front to end is formed in the middle. An annular heat-exchanged air duct (14, 15) is formed between two adjacent annular air guiding bodies (11, 12, 13). An air inlet of a rear-end annular air guiding body (12) located at the rear end is a non-heat-exchanged air inlet (31) of the air supply apparatus, and an air outlet of a front-end annular air guiding body (11) located at the front end is a mixed air outlet (21) of the air supply apparatus. The radial section of each of the annular air guiding bodies (11, 12, 13) is a curved surface.

IPC 8 full level

**F24F 13/062** (2006.01); **F24F 1/0083** (2019.01); **F24F 13/08** (2006.01)

CPC (source: EP US)

**F24F 1/0011** (2013.01 - EP); **F24F 1/0083** (2019.01 - EP US); **F24F 13/062** (2013.01 - EP); **F24F 13/082** (2013.01 - EP)

Cited by

CN106225063A

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 3006853 A1 20160413**; **EP 3006853 A4 20170315**; **EP 3006853 B1 20180502**; ES 2682050 T3 20180918; WO 2014194770 A1 20141211

DOCDB simple family (application)

**EP 14808157 A 20140523**; CN 2014078216 W 20140523; ES 14808157 T 20140523