

Title (en)

VERTICAL AIR-CONDITIONER COMPRISING A VERTICAL AIR SUPPLY APPARATUS WITH AIRFLOW DISTRIBUTION ASSEMBLY

Title (de)

VERTIKALE KLIMAAANLAGE MIT EINER VERTIKALEN LUFTZUFUHR VORRICHTUNG MIT EINER LUFTSTROMVERTEILUNGSANORDNUNG

Title (fr)

CLIMATISATEUR D'AIR VERTICAL COMPRENANT UN DISPOSITIF D'ADMISSION D'AIR VERTICAL AVEC UN AGENCEMENT DE DISTRIBUTION DE FLUX D'AIR

Publication

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Application

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Abstract (en)

An air-conditioner air supply apparatus (1) provided with an airflow distribution assembly is provided. The air supply apparatus (1) includes at least two annular air guiding bodies. Each of the annular air guiding bodies is a single component, annular air guiding bodies are sequentially arranged from front to rear, and an annular heat-exchanged air duct (14, 15) is formed between two adjacent annular air guiding bodies. An airflow distribution assembly (16) constituted by airflow distribution plates is disposed in the at least one annular heat-exchanged air duct (14, 15). The airflow distribution assembly (16) at least includes a pair of primary airflow distribution plates (161, 162), and the pair of primary airflow distribution plates (161, 162) are bilaterally symmetrically disposed at a lower part of the annular heat-exchanged air duct (14, 15) along an air supply direction of a heat-exchanged air, and divides the annular heat-exchanged air duct (14, 15) into two parts whose lengths are at a ratio of 1:2 to 1:4.

IPC 8 full level

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CPC (source: EP)

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