

Title (en)
VERTICAL AIR CONDITIONER AND AIR SUPPLY DEVICE THEREOF

Title (de)
VERTIKALE KLIMAAANLAGE UND LUFTZUFUHRVORRICHTUNG DAFÜR

Title (fr)
CLIMATISEUR VERTICAL ET SON DISPOSITIF D'ALIMENTATION EN AIR

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Application
EP 14807808 A 20140313

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Abstract (en)
[origin: EP3006838A1] A vertical air-conditioner and a vertical air-conditioner air supply apparatus (1) are disclosed. The vertical air-conditioner air supply apparatus (1) includes three circular air guiding bodies (11, 12, 13) that are hollow and have front and rear openings. Each of the circular air guiding bodies (11, 12, 13) is a single component. The three circular air guiding bodies (11, 12, 13) are arranged sequentially from front to rear, and a through-duct that runs through from front to rear is formed in the middle. An air inlet (122) of a rear-end circular air guiding body (12) located at the rear end forms a non-heat-exchanged air inlet of the air supply apparatus. An air outlet (111) of a front-end circular air guiding body (11) located at the front end forms a mixed air outlet. A circular heat-exchanged air duct (14, 15) is formed between two adjacent circular air guiding bodies (11, 12, 13). An airflow distribution assembly (16) for circumferentially distributing heat-exchanged air is disposed in at least one of the circular heat-exchanged air ducts (14, 15). In a vertical air-conditioner that uses the air supply apparatus (1), the air supply is uniform, the air flow of the air supply is large, and the temperature of the air supply is comfortable.

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CPC (source: EP)
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Citation (search report)

- [XA] CN 202692257 U 20130123 - LG ELECTRONICS INC
- [XA] KR 101203540 B1 20121121
- See references of WO 2014194705A1

Cited by
EP3730858A4; US11454416B2

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