

Title (en)
VENTILATION UNIT WITH OPTIMIZED COMPONENT PLACEMENT

Title (de)
LÜFTUNGSEINHEIT MIT OPTIMIERTER KOMPONENTENPLATZIERUNG

Title (fr)
UNITÉ DE VENTILATION AVEC PLACEMENT OPTIMISÉ DES COMPOSANTS

Publication
EP 4253762 A1 20231004 (EN)

Application
EP 23164592 A 20230328

Priority
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Abstract (en)
The current invention relates to a ventilation unit, comprising a fan and a housing, wherein the housing comprises at least one connection opening for a supply duct, one connection opening for a discharge duct and a volute, wherein the volute is placed in the housing transversely to a height direction of the housing, whereby a first chamber and a second chamber are formed, where the first chamber is located on a first side and the second chamber is located on a second side of the volute, wherein connection openings for supply ducts open into the first chamber, wherein a ratio of a height of the first chamber to a height of the volute is at most 1.1, a ratio of the height of the first chamber to a height of the second chamber is at most 4, and a ratio of the height of the first chamber to a diameter of the fan is at least 0.39. The invention also relates to a method and a use.

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CPC (source: EP)
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Citation (applicant)

- NL 1038209 C2 20110426 - RENSON VENTILATION N V [BE], et al
- FR 3072158 A1 20190412 - ATLANTIC CLIMATISATION & VENTILATION [FR]
- FR 3043760 A1 20170519 - ALDES AÉRAULIQUE [FR]
- EP 2743597 A1 20140618 - VERO DUCO NV [BE]

Citation (search report)

- [XAI] FR 3072158 A1 20190412 - ATLANTIC CLIMATISATION & VENTILATION [FR]
- [IA] FR 3043760 A1 20170519 - ALDES AÉRAULIQUE [FR]
- [I] EP 2743597 A1 20140618 - VERO DUCO NV [BE]

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