

Title (en)
CENTRIFUGAL VENTILATING FAN

Title (de)
ZENTRIFUGALER LÜFTER

Title (fr)
VENTILATEUR CENTRIFUGE

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Priority
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Abstract (en)
[origin: EP3193022A1] The present invention relates to a centrifugal fan, in particular a snail type centrifugal fan, particularly designed for extractor hoods. Said snail type centrifugal fan comprises two housing parts which can be coupled to each other in a connection plane K, a motor body mounted into one of the housing parts, at least one radial fan impeller mounted around the motor body coaxially with the rotation axis of the motor body, and a tongue section in the region of an outlet of the housing part defining a throat section narrowing the air passageway cross-section in horizontal axis. Said tongue section comprises a convexly formed first curvature neighboring the impeller forming an extreme point in horizontal direction within the inner volume of the centrifugal fan, and a further curvature convexly formed through the outlet at an upper position of the first curvature with respect to the vertical axis of the centrifugal fan, whereby, said first curvature extends to the second curvature through a surface which is tangential to the first and second curvatures.

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