

Title (en)
HOUSING FOR A VENTILATOR OR FAN

Title (de)
GEHÄUSE FÜR EINEN VENTILATOR ODER LÜFTER

Title (fr)
CARTER POUR UN VENTILATEUR OU UNE SOUFFLANTE

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Application
EP 13753609 A 20130821

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Abstract (en)
[origin: WO2014056655A2] The invention relates to a housing for a ventilator (1) or fan, in particular an axial ventilator, comprising an annular housing wall (2) which encloses a flow channel (3) having an inflow opening (4) and an outflow opening (6). The flow channel (3) has a circular cross-section in a plane which is perpendicular to a center longitudinal axis (X-X) and a motor mount (7) for an electrical motor (8) of the ventilator (1) within the flow channel (3). The flow channel (3) has a first cylinder section (9), connected to the inflow opening (4), and a second truncated cone section (11), connected thereto by the small truncated cone surface, which expands toward the outflow opening (6). The mount (7) consists of a plurality of stays (12), fastened by one end to the second truncated cone section (11), which extend from an inner circumferential surface of the truncated cone section (11) in the direction of the longitudinal axis (X-X) and have, on the other, internal ends, mount sections for the electrical motor (8). According to the invention, there are fastening means (24, 26) of the housing wall (2) in the region of the inflow opening (4) for connection to a connection part, in particular a wall ring (49a, b, c, d) and having fastening means (28) in the edge region of the outflow opening (6) thereof for a protective grate (23) and/or fastening means (29, 31) for fastening an outside diffusor (37) to the housing wall (2) in the region of the outflow opening (6).

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