

Title (en)
INTAKE VENTILATOR

Title (de)
EINLASSVENTILATOR

Title (fr)
VENTILATEUR D'ADMISSION

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Application
EP 16820031 A 20161128

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Abstract (en)
[origin: WO2017095248A1] This invention relates to intake ventilator provided with a flow channel, an air intake and an air outlet, characterized in that it comprises a thick-walled shell (1) made of a resilient material having good thermal insulation properties, arranged at the bottom in the form of a concavity (2), consisting of an air-intake cavity (3), an air-outlet cavity (4) and a recess (5) of the flow channel and said recess has a rib (6), in the same time the upper part of the thick-walled shell (1) forms a plate (7) provided with openings (8) in which profiled ribs (8') are arranged, moreover, said shell has two side walls (9) and a closure (10) of the air intake and a closure (11) of the air outlet, and said four elements surround the concavity (2) from four sides, in the same time the recess (5) of the flow channel is closed from the bottom with a horizontal partition 15 having a slanting fault (16) and said horizontal partition (15) via seals (18) abuts on the upper surface of a window rail (19), while on the upper surface of the partition (15) from the side of the air-intake cavity (3) a pressure throttle (20) is located, furthermore, inside the air-intake cavity (3) a thermal air-flow controller (24) is situated and said thermal air-flow controller consists of two profiled guides (25) and (26) connected to the yokes (29) and (30) having arms (42) and (43) respectively, with openings (44) and they are assembled by means of screws (45) to the brackets (46) and (47) respectively, equipped with mounting sleeves (46') and (47') respectively, each of the guides has a longitudinal groove (27) and two longitudinal slots (28) and the grooves (27) are provided with two movable lamellar throttles (31) and (32) having openings (33) and binders (34) between said openings, while in the slots (28) of the guides (25) and (26) two pairs of bars (35) and (36) are placed and the yokes (29) and (30) which have arms (42) and (43) respectively, with holes (44) and they are assembled by means of screws (45) to the brackets (46) and (47) respectively, equipped with mounting sleeves (46') and (47') respectively, moreover, the air-intake cavity (3) is covered from the bottom with a flap (48) provided with two guides (49), in which the side closures (50) and (51) of the flap are located and said closures are provided with ribs (52) and (53) with axles of rotation (54) and furthermore the air-outlet cavity (4) is covered from the bottom with a masking frame (60) provided with two guides (64) in which there are catches (65) of the side closures (61) and (62) of the masking frame and said closures (61) and (62) have ribs (66) and (67) with transverse openings (68) in which the axles of rotation (69) and (70) of the throttle (14) are mounted.

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Cited by
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