

Title (en)

Centrifugal fan for automobile ventilation and heating.

Title (de)

Kreisellüfter für die Ventilation und die Heizung eines Kraftwagens.

Title (fr)

Ventilateur centrifuge pour la ventilation et le chauffage d'une automobile.

Publication

EP 0564938 A1 19931013

Application

EP 93105122 A 19930329

Priority

IT TO920311 A 19920406

Abstract (en)

A centrifugal fan for automobile ventilation and heating, of the type comprising a half-shell for containing and bearing an electric motor (14) on the shaft of which the hub (13,13') of a centrifugal impeller (10) is mounted. The impeller is substantially cylindrical in shape and has peripheral blades (11) and a plurality of surfaces (12,22,23;30,32) that connect the blades (11) to the hub (13,13'). The half-shell and the impeller (10) are contained within a casing provided with an inlet for the air that is sucked up from front openings of the impeller (10) and an outlet for delivering the air from the impeller (10) to the driver's cabin. The surfaces (12,22,23;30,32) connecting the blades (11) to the hub (13,13') form further blades (21,31) which determine a second impeller, coaxial to the first one and integral thereto, which is interposed between the inside of the half-shell (15) and the peripheral blades (11). <IMAGE>

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Citation (search report)

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