

Title (en)  
FAN WHEEL OF AN AXIAL FAN

Title (de)  
LÜFTERRAD EINES AXIALLÜFTERS

Title (fr)  
ROUE DE VENTILATEUR POUR VENTILATEUR AXIAL

Publication  
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Application  
**EP 15706434 A 20150219**

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Abstract (en)  
[origin: WO2015132077A1] The invention relates to a fan wheel (1) for an axial fan (2) for generating a cooling air flow (38) through a heat exchanger (36) of a vehicle, having a hub (3) and a plurality of blades (4), each connected to the hub (3) on a root (5), wherein the blades (4) each have a blade body (7) which has a front side (9) on a suction side (8) of the fan wheel (1) and a rear side (11) on a pressure side (10) of the fan wheel (1) and which has a leading edge (12) and a trailing edge (13), wherein at least one of the blades (4) has a ramp (14) on the pressure side (10) of the fan wheel (1) which protrudes from the rear side (11) of the blade body (7) and which extends from a starting region (15), in which the blade root (5) and the leading edge (12) of the respective blade (4) are located, in the direction of the leading edge (13) and a blade tip (6) of the respective blade (4). Improved efficiency results if the ramp (14) extends over more than 50% of a blade length (16) measured radially from the blade root (5) to the blade tip (6).

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