

Title (en)
Fan assembly for vehicles

Title (de)
Ventilatoranordnung für Fahrzeugen

Title (fr)
Ensemble ventilateur pour véhicules

Publication
EP 2386764 A2 20111116 (EN)

Application
EP 11165462 A 20110510

Priority
IT TO20100393 A 20100511

Abstract (en)
A fan assembly for cooling a radiator, a radiator-condenser assembly, or a radiator-condenser-intercooler assembly of a vehicle, comprising: - a casing (12), having a through opening (14) and a support (16) , which is located at the centre of said opening (14); - a motor-fan assembly (20) carried by said support (16), which includes an axial fan (22) rotatable with respect to said support (16) about an axis of rotation (X); and - a toothed ring (34), which is fixed with respect to the casing (12) and surrounds said fan (22) said toothed ring (34) having a plurality of teeth (36) that follow one another in a circumferential direction, wherein said toothed ring (34) has a front surface (38) sharing the axis of rotation (X) and a side wall (40) that forms sides of said teeth (36), where the distance in a direction parallel to the axis of rotation (X) between said side wall (40) and a plane orthogonal to the axis of rotation (X) varies periodically in a circumferential direction.

IPC 8 full level
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CPC (source: EP)
F04D 29/164 (2013.01); **F04D 29/526** (2013.01); **F04D 29/326** (2013.01)

Citation (applicant)
• US 6863496 B2 20050308 - CHO KYUNG-SEOK [KR], et al
• US 7481615 B2 20090127 - PARK SE-YOUNG [KR]

Cited by
DE102012207552A1; US9714666B2; WO2020169546A1

Designated contracting state (EPC)
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Designated extension state (EPC)
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