

Title (en)
Crankcase ventilation system

Title (de)
Einrichtung zum Entlüften eines Kurbelgehäuses

Title (fr)
Dispositif d'aération de carter moteur

Publication
EP 1388646 A1 20040211 (DE)

Application
EP 03014995 A 20030702

Priority
DE 10236332 A 20020808

Abstract (en)
Device for ventilating a crankcase of an internal combustion engine comprises an arrangement for separating oil from the outgoing air which consists of a spinning wheel (108) with blades and an air outlet connector (118). The radial blades of the spinning wheel extend in the spinning wheel axial direction in the direction of the air outlet connector. The inlet opening of the air outlet connector is arranged at least approximately coaxially to the spinning wheel and the opening plane is at least approximately parallel to the spinning wheel plane. The inlet-side end region of the air outlet connector encloses a flow gap (120) with the blade edges on the air outlet connector side. Preferred Features: The gap has a width of 0.5-3, preferably about 1 mm. The spinning wheel is driven directly as a function of engine speed.

Abstract (de)
Kurbelgehäuseentlüftung für eine Brennkraftmaschine mit einer Anordnung zur Ölabscheidung aus der abzuführenden Luft, welche ein rotierendes Schleuderrad mit Schaufeln umfasst. <IMAGE>

IPC 1-7
F01M 13/04

IPC 8 full level
F01M 13/04 (2006.01)

CPC (source: EP)
F01M 13/04 (2013.01); **F01M 2013/0422** (2013.01)

Citation (applicant)
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Citation (search report)
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Designated contracting state (EPC)
DE GB IT

DOCDB simple family (publication)
EP 1388646 A1 20040211; **EP 1388646 B1 20070321**; DE 10236332 A1 20040304; DE 10236332 B4 20050224; DE 50306828 D1 20070503

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