

Title (en)
Crankcase ventilation device

Title (de)
Einrichtung zur Entlüftung eines Kurbelgehäuses

Title (fr)
Dispositif d'aération du carter

Publication
EP 1544424 A1 20050622 (DE)

Application
EP 04026373 A 20041105

Priority
DE 10359069 A 20031216

Abstract (en)
The crankcase has a gas outlet, and a return pipe to feed the gas into the intake area. The device has a multiple-function assembly for separation of oil from the return gas. A first functional area for reduction of pressure pulsation is formed by a valve (110), in a dividing wall between upper and lower chambers (114,124) of the crankcase interior (102). A second functional area for first oil separation is formed by a centrifugal wheel (232) with blades, which define a ring gap together with the intake area of a ventilation pipe (238). A third functional area is formed by a knitted material separator (234), located in the ventilation pipe behind the centrifugal wheel. This separator consists of a metallic or organic material, or a fuel and oil-resistant plastic.

Abstract (de)
Einrichtung zur Entlüftung eines Kurbelgehäuses einer einen Ansaugbereich umfassenden Brennkraftmaschine mit einem Auslass für Gase am Kurbelgehäuse sowie einer Leitung zur Rückführung der Kurbelgehäusegase in den Ansaugbereich, mit einer multifunktionalen Anordnung zur Ölabscheidung aus der abzuführenden Luft, umfassend einen ersten Funktionsbereich zur Reduktion einer Druckpulsation, einen zweiten Funktionsbereich zur ersten Ölabscheidung sowie einen dritten Funktionsbereich zur weiteren Ölabscheidung. <IMAGE> <IMAGE>

IPC 1-7
F01M 13/00; **F01M 13/02**; **F01M 13/04**

IPC 8 full level
F01M 13/00 (2006.01); **F01M 13/02** (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP)
F01M 13/022 (2013.01); **F01M 2013/0005** (2013.01); **F01M 2013/005** (2013.01)

Citation (search report)

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