

Title (en)

Oil mist separator

Title (de)

Ölnebelabscheider

Title (fr)

Séparateur de bruite d'huile

Publication

EP 1870571 A2 20071226 (EN)

Application

EP 07012065 A 20070620

Priority

JP 2006173385 A 20060623

Abstract (en)

An oil mist separator formed inside a cylinder head cover of an engine. The oil mist separator includes a passage wall defining a blow-by gas passage, the passage wall including a passage bottom wall. An impact wall is disposed in the blow-by gas passage. A partition wall is disposed in the blow-by gas passage on an upstream side of the impact wall with respect to flow of blow-by gas to divide the blow-by gas passage, the partition wall being formed with a slit which extends to the passage bottom wall. First and second screening plates are disposed respectively on upstream and downstream sides of the partition wall so as to screen a lower part of the slit from flowing of blow-by gas, an upper part of the slit serving as a restriction passage through which blow-by gas passes to impact against the impact wall.

IPC 8 full level

F01M 13/04 (2006.01)

CPC (source: EP)

F01M 13/0416 (2013.01); **F01M 2013/0433** (2013.01)

Cited by

US2016333753A1; US10145278B2; EP3205851A4; US10156169B2; DE102016106925B4

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EP 1870571 A2 20071226; **EP 1870571 A3 20080409**; **EP 1870571 B1 20090429**; CN 101122249 A 20080213; CN 101122249 B 20100609; DE 602007000998 D1 20090610; JP 2008002377 A 20080110; JP 4690257 B2 20110601

DOCDB simple family (application)

EP 07012065 A 20070620; CN 200710108528 A 20070531; DE 602007000998 T 20070620; JP 2006173385 A 20060623