

Title (en)  
Oil mist separator

Title (de)  
Ölnebelabscheider

Title (fr)  
Séparateur de bruine d'huile

Publication  
**EP 1870571 A3 20080409 (EN)**

Application  
**EP 07012065 A 20070620**

Priority  
JP 2006173385 A 20060623

Abstract (en)  
[origin: EP1870571A2] 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)

Citation (search report)

- [A] EP 1524414 A2 20050420 - MAHLE TENNEX CORP [JP]
- [A] US 6435170 B1 20020820 - HAMELINK JOSEPH C [US], et al
- [A] DE 2048340 A1 19710415
- [A] DE 19642218 A1 19980423 - BOSCH GMBH ROBERT [DE]

Cited by  
EP3205851A4; US2016333753A1; US10145278B2; DE102016106925B4; US10156169B2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 07012065 A 20070620**; CN 200710108528 A 20070531; DE 602007000998 T 20070620; JP 2006173385 A 20060623