

Title (en)

Device for ventilating an engine crankcase , particularly a V-engine

Title (de)

Einrichtung zur Entlüftung eines Kurbelgehäuses einer Brennkraftmaschine sowie Brennkraftmaschine mit insbesondere V-förmiger Anordnung der Zylinder

Title (fr)

Dispositif pour ventiler un carter de moteur en particulier d'un moteur en V

Publication

**EP 1691043 A3 20100324 (DE)**

Application

**EP 05024488 A 20051110**

Priority

DE 102005006438 A 20050212

Abstract (en)

[origin: EP1691043A2] The system has bores integrated in a cylinder head and ventilation pipes connected to it for removing blow-by gas. A suction tube is connected to the ventilation pipes and oil separation modules (26, 28) are provided for pre-separation of oil from the gas. The modules have an oil separation chamber constructed in it and have an opening for introduction of the gases and another opening for return of the oil into the cylinder head. An independent claim is also included for a multi-row internal-combustion engine having a V-shaped cylinder arrangement.

IPC 8 full level

**F01M 13/02** (2006.01)

CPC (source: EP US)

**F01M 13/022** (2013.01 - EP US); **F01M 13/0416** (2013.01 - EP US)

Citation (search report)

- [X] DE 19820384 A1 19991111 - VOLKSWAGEN AG [DE]
- [X] JP 2004211644 A 20040729 - SUZUKI MOTOR CO
- [XD] DE 10154669 A1 20030522 - PORSCHE AG [DE]
- [X] JP H02114714 U 19900913
- [X] JP S623909 U 19870110
- [I] US 3908617 A 19750930 - PARTRIDGE DREXEL C

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 NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1691043 A2 20060816; EP 1691043 A3 20100324**; DE 102005006438 A1 20060817; JP 2006220149 A 20060824; US 2006180131 A1 20060817; US 7509950 B2 20090331

DOCDB simple family (application)

**EP 05024488 A 20051110**; DE 102005006438 A 20050212; JP 2006024003 A 20060201; US 35225506 A 20060213