

Title (en)

Method for venting the crankcase of an internal combustion engine and internal combustion engine for performing this method

Title (de)

Verfahren zur Entlüftung eines Kurbelgehäuses einer Brennkraftmaschine und Brennkraftmaschine zur Durchführung eines derartigen Verfahrens

Title (fr)

Procédé d'aération du carter d' un moteur à combustion interne et moteur effectuant ce procédé

Publication

EP 1624162 A1 20060208 (DE)

Application

EP 04103757 A 20040804

Priority

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Abstract (en)

The crankcase is connected to at least one centrifugal separator integrated in the valve cap (3), cylinder head (4) and/or cylinder block of the internal combustion engine. All functional surfaces of the centrifugal separator are formed by already existing components of the internal combustion engine. A venting flow contaminated with oil is fed from the crankcase to the centrifugal separator as a result of a pressure gradient. The venting flow is fed tangentially so that oil is separated. The separated liquid components (15a,15b) are removed by gravity from the separator chamber (8a,8b), while the gas components (16a,16b) are evacuated from the separator chamber. An independent claim is included for an internal combustion engine.

IPC 8 full level

F01M 13/04 (2006.01)

CPC (source: EP)

F01M 13/04 (2013.01); **F01M 2013/0066** (2013.01); **F01M 2013/0427** (2013.01)

Citation (search report)

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Citation (examination)

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