Title (en)
ENGINE AND METHOD OF OPERATING SUCH ENGINE

Title (de)
BRENNKRAFTMASCHINE UND VERFAHREN ZUM BETRIEB EINER BRENNKRAFTMASCHINE

Title (fr)
MOTEUR ET PROCÉDÉ POUR SA UTILISATION

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Application
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Abstract (en)
[origin: WO2013083765A1] The invention relates to a method for operating an internal combustion engine (1) in which a blow-by stream (10) containing a fine oil mist is discharged from a crankcase (2), and supplied to the charge-air side of the internal combustion engine (1), by means of a gas recirculation device (11), wherein the blow-by stream (10) is treated as it passes through an oil separator (13) arranged in the gas recirculation device (11) and, before and/or during the treatment in the oil separator (13), a coarse oil mist (16) is moved into the blow-by stream (10). The invention also relates to an internal combustion engine (1) having a crankcase (2) which is connected via a gas outlet opening (9) to a gas recirculation device (11), and in which, in the crankcase (2), there are arranged guide elements (14) for generating and maintaining a gas circulation (15). The invention finally relates to an internal combustion engine (1) having a crankcase (2) which is connected via a gas outlet opening (9) to a gas recirculation device (11), and in which a spray device for generating a coarse oil mist (16) is arranged in the crankcase (2) and/or in the gas recirculation device (11).

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• EP 2754864 A1 20140716 - TOYOTA MOTOR CO LTD [JP]
• DE 20103652 U1 20020704 - HENGST WALTER GMBH & CO KG [DE]

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