

Title (en)

Crankcase of an internal combustion engine with inlet and outlet passages for ventilation

Title (de)

Zylinderkurbelgehäuse für eine Brennkraftmaschine mit darin angeordneten Be- und Entlüftungskanälen

Title (fr)

Carter de vilebrequin d'un moteur à combustion interne avec des conduits d'admission et d'évacuation de gaz de carter

Publication

EP 0600341 B1 19960214 (DE)

Application

EP 93118788 A 19931123

Priority

DE 4240464 A 19921202

Abstract (en)

[origin: EP0600341A1] Cylinder block and crank case (1) for an internal combustion engine with inlet and outlet passages for ventilation arranged therein, preferably a multi-cylinder in-line internal combustion engine in which equalising chambers (42) are incorporated in the inlet line (44) and a resonance chamber (29) is incorporated in the outlet line (36). Arranged ahead of the resonance chamber (29) are passages (30), each of which starts from variable-pressure chambers (24, 25 and 26, 27 respectively) in the cylinder block and crank case. The passages (30) are provided along their length with a plurality of bends (32, 33) and thus act as oil separators. The equalising chambers (42) and the resonance chamber (29) are arranged to the side of the row (5) of cylinders. They reinforce the cylinder block and crank case (1) and reduce the amount of noise emitted. <IMAGE>

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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Cited by

DE102007008803B4; EP2857665A1; FR2869647A1; EP1156194A1; CN110621852A; EP0940574A3; CN111636949A; DE19644526A1; DE19644526C2; CN115370444A; WO2006053715A1; US9388765B2

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