

Title (en)
Internal combustion engine with oil separator compartment

Title (de)
Brennkraftmaschine mit einer Ölabscheidekammer

Title (fr)
Moteur à combustion interne avec volume de séparation d'huile

Publication
EP 0744535 A1 19961127 (DE)

Application
EP 95107783 A 19950522

Priority
EP 95107783 A 19950522

Abstract (en)
The engine has a cylinder head cover (2) which has guide ribs (9-15) bounding labyrinth passages (17-22) orientated to the oil separator plate. Holes are formed in the plate and are located opposite the passages in the spray oil deficient areas, with at least one collector channel located between them. The holes are located in a high set section of the plate of the engine set in an inclined plane, and oil drain holes (16) are provided in an opposite lower lying section in one wall (R2) of the cylinder head cover.

Abstract (de)
Die Ölabscheidekammer in der Zylinderkopfhäube weist labyrinthartig verlaufende und durch eine Ölabscheideplatte geschlossene Ölskanäle auf, die eine Abführung von aus Ölnebel separiertem Öl über das Zylinderkurbelgehäuse (1) in einem Ölsammelbehälter ermöglichen. Die Kanäle (17, 18, 19, 20, 21, 22) sind in mehrere Sektoren unterteilt, so daß der durch die Öffnungen in den Raum oberhalb der Ölabscheideplatte eintretende Ölnebel und somit das Öl gezielt Abtropföffnungen (25) und somit dem Ölsammelbehälter zuführbar ist. <IMAGE>

IPC 1-7
F01M 13/04

IPC 8 full level
F01L 1/053 (2006.01); **F01M 13/04** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP)
F01L 1/053 (2013.01); **F01M 13/0416** (2013.01); **F02F 7/006** (2013.01)

Citation (applicant)
DE 3625836 A1 19880211 - AUDI AG [DE]

Citation (search report)
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