

Title (en)

Internal combustion engine with oil pump on the camshaft.

Title (de)

Brennkraftmaschine mit Schmierpumpen auf der Nockenwelle.

Title (fr)

Moteur à combustion interne avec pompe à huile sur l'arbre à cames.

Publication

EP 0540977 B1 19950913 (FR)

Application

EP 92118294 A 19921026

Priority

FR 9113769 A 19911106

Abstract (en)

[origin: EP0540977A1] Internal combustion engine whose oil pressure pump (1) with an open casing is blocked off by direct fixing to the cylinder head (5), the moving members of the pump being secured to the cam shaft (20) by means of an axial stop (29). Sealing is provided on the one hand by means of an O-ring (25) between the pump (1) and the cylinder head (5) and, on the other hand, by means of a lip seal (45) and of a breather (51). The axial play (44) which is also involved in sealing, is kept at the desired value by means of the planed washer (47). <??>Application to all engines for which a reduction in weight, bulk and maintenance cost is sought. <IMAGE>

IPC 1-7

F01M 1/02

IPC 8 full level

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CPC (source: EP KR US)

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Citation (examination)

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