

Title (en)

Combustion engine with pump for transporting engine oil and method for heating the engine oil of such a combustion engine

Title (de)

Brennkraftmaschine mit Pumpe zur Förderung von Motoröl und Verfahren zur Erwärmung des Motoröls einer derartigen Brennkraftmaschine

Title (fr)

Moteur à combustion interne équipé d'une pompe d'alimentation en huile moteur et procédé de chauffage de l'huile moteur d'un tel moteur à combustion interne

Publication

**EP 2305975 B1 20180912 (DE)**

Application

**EP 10154681 A 20100225**

Priority

DE 102009045320 A 20091005

Abstract (en)

[origin: EP2305975A2] The engine has a cylinder block connected to a cylinder head (1) and serving as an upper crank case portion, for holding a crankshaft in two bearings. A pump feeds supplies engine oil (3) originating from an oil pan to a main oil gallery via a supply duct (2) from a channel and feeds engine oil to the bearings. The supply duct extends in upstream of the main oil gallery through the cylinder head. The oil pan is mounted on the upper crankcase portion and serves as a lower crankcase portion for collecting the engine oil. An independent claim is also included for a method for heating an engine oil by using an internal combustion engine.

IPC 8 full level

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CPC (source: EP US)

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