

Title (en)

ENGINE WITH ELECTRONICALLY CONTROLLED PISTON COOLING JETS AND METHOD FOR CONTROLLING THE SAME

Title (de)

MOTOR MIT ELEKTRONISCH GESTEUERTEN KOLBENKÜHLUNGSDÜSEN UND STEUERUNGSVERFAHREN DAFÜR

Title (fr)

MOTEUR À JETS DE REFROIDISSEMENT DE PISTON COMMANDÉS ÉLECTRONIQUEMENT ET PROCÉDÉ POUR SA COMMANDE

Publication

**EP 2558694 A4 20140827 (EN)**

Application

**EP 10849967 A 20100415**

Priority

US 2010031131 W 20100415

Abstract (en)

[origin: WO2011129824A1] An engine oil system for an internal combustion engine comprises an electronic control module, an engine oil sump, an engine oil pump, an engine oil gallery, an engine oil pressure sensor, a solenoid control valve, and at least one oil receiving component. The engine oil pump is in fluid communication with the engine oil sump. The engine oil gallery is in fluid communication with at least one engine bearing and a turbocharger. The engine oil pressure sensor and at least one oil receiving component are in fluid communication with the oil gallery. The oil pressure sensor generates an output signal that is transmitted to the electronic control module. The solenoid control valve is in fluid communication with the engine oil gallery and electronic communication with the electronic control module. The solenoid control valve is moveable between at least an open position and a closed position.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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- [Y] US 2005120982 A1 20050609 - DUCU DAN O [UA]
- [Y] DE 102008032496 A1 20100107 - DAIMLER AG [DE]
- [Y] EP 1350930 A1 20031008 - BORGWARNER INC [US]
- [X] EP 1070836 A2 20010124 - DAIMLER CHRYSLER AG [DE]
- [X] JP S60252116 A 19851212 - HINO MOTORS LTD
- See references of WO 2011129824A1

Designated contracting state (EPC)

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DOCDB simple family (application)

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