

Title (en)

Combustion engine with a motor brake device

Title (de)

Brennkraftmaschine mit einer Motorbremseinrichtung

Title (fr)

Moteur à combustion interne doté d'un dispositif de frein moteur

Publication

EP 2305968 B1 20150923 (DE)

Application

EP 10007649 A 20100723

Priority

DE 102009048104 A 20091002

Abstract (en)

[origin: EP2305968A1] The engine (1) has a counter-holder (53) formed as a hydraulic piston-cylinder unit to furnish a stop part (52) for a valve bridge (5). A hydraulic valve lash compensation mechanism (11) for an exhaust valve (3) is arranged between a rocker arm (6) and the valve bridge and connected to an oil feed channel (9) for supplying oil. A control channel (41) is connected to the oil feed channel to feed oil to a hydraulic valve control unit that is closed by a closure element (48) to compensate for valve lash of the exhaust valve. The counter-holder adapts the stop part to a position of the mechanism.

IPC 8 full level

F01L 1/24 (2006.01); **F01L 1/26** (2006.01); **F01L 13/06** (2006.01)

CPC (source: EP US)

F01L 1/24 (2013.01 - EP US); **F01L 1/26** (2013.01 - EP US); **F01L 13/06** (2013.01 - EP US)

Cited by

CN110173314A; CN107835891A; CN106089348A; EP2803826A1; EP2520773A3; US10669899B2; US8746208B2; US11125120B2; US2024052762A1; US11988116B2; WO2017008857A1; WO2020057688A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2305968 A1 20110406; **EP 2305968 B1 20150923**; BR PI1003889 A2 20130108; BR PI1003889 B1 20200602; CN 102032014 A 20110427; CN 102032014 B 20130626; DE 102009048104 A1 20110407; RU 2010140335 A 20120410; RU 2552024 C2 20150610; US 2011079195 A1 20110407; US 8240288 B2 20120814

DOCDB simple family (application)

EP 10007649 A 20100723; BR PI1003889 A 20100915; CN 201010502251 A 20100930; DE 102009048104 A 20091002; RU 2010140335 A 20101001; US 89649210 A 20101001