

Title (en)

Oil tray for a combustion engine

Title (de)

Ölwanne für eine Brennkraftmaschine

Title (fr)

Cuvette à huile pour moteur à combustion interne

Publication

**EP 2154341 A1 20100217 (DE)**

Application

**EP 09167258 A 20090805**

Priority

DE 202008010865 U 20080814

Abstract (en)

The pan has a bimetal spring or a wax extension element serving as a connection element to control temperature. A separately-switchable oil volume is connected and disconnected depending on the temperature by an electrical actuator. An end of the bimetal spring closes or opens an outlet in the oil volume. The oil volume is connected and disconnected by an electrical actuator signal. The electrical actuator is controlled and regulated by a motor control device. A signal is supplied by an oil sensor in the pan or by a separate temperature sensor as an input variable to the pan.

Abstract (de)

Eine Ölwanne (1) für eine Brennkraftmaschine weist zwei getrennte Ölkammern (2,3) mit unterschiedlichem Volumen auf, die über ein temperaturabhängig zu schaltendes Ventil (8) miteinander verbunden sind. In die Außenwand (9) der kleineren Ölkammer (2) ist eine Verbindungsöffnung (10) zur Verbindung mit einem an die Ölwannenaußenwand (9) anschließbaren Ölkühler (11) eingebracht.

IPC 8 full level

**F01M 5/00** (2006.01); **F01M 11/00** (2006.01)

CPC (source: EP US)

**F01M 5/002** (2013.01 - EP US); **F01M 11/0004** (2013.01 - EP US); **F01M 2005/023** (2013.01 - EP US); **F01M 2011/0025** (2013.01 - EP US);  
**F01M 2011/0045** (2013.01 - EP US)

Citation (applicant)

- JP 2003278519 A 20031002 - MITSUBISHI MOTORS CORP, et al
- FR 2816354 A1 20020510 - VALEO THERMIQUE MOTEUR SA [FR]
- US 6058898 A 20000509 - FREESE V CHARLES EDWIN [US]

Citation (search report)

- [Y] FR 2816354 A1 20020510 - VALEO THERMIQUE MOTEUR SA [FR]
- [Y] US 6058898 A 20000509 - FREESE V CHARLES EDWIN [US]
- [A] EP 0717175 A2 19960619 - JENBACHER ENERGIESYSTEME AG [AT]
- [A] US 4134380 A 19790116 - NIWA TAKAO, et al
- [A] EP 1878884 A2 20080116 - PORSCHE AG [DE]

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DE102017002840A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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