

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 B1 20121024 (DE)

Application

EP 09167258 A 20090805

Priority

DE 202008010865 U 20080814

Abstract (en)

[origin: EP2154341A1] 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.

IPC 8 full level

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

Cited by

DE102014218029B4; CN105019973A; EP3379045A1; DE102017002840A1; DE102016221269A1; DE102016221269B4; EP2995787A1; DE102014218029A1

Designated contracting state (EPC)

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DE 202008010865 U1 20100107; EP 2154341 A1 20100217; EP 2154341 B1 20121024; US 2010037850 A1 20100218

DOCDB simple family (application)

DE 202008010865 U 20080814; EP 09167258 A 20090805; US 53904809 A 20090811