

Title (en)

Oil supply device for a combustion engine, in particular for a crankcase of a combustion engine

Title (de)

Ölversorgungseinrichtung für eine Brennkraftmaschine, insbesondere für ein Kurbelgehäuse einer Brennkraftmaschine

Title (fr)

Dispositif d'alimentation en huile pour un moteur à combustion interne, notamment pour le carter d'un moteur à combustion interne

Publication

EP 2476870 B1 20160629 (DE)

Application

EP 11009229 A 20111122

Priority

DE 102011008680 A 20110115

Abstract (en)

[origin: EP2476870A1] The device has several oil filter units (11,17) arranged in oil flow paths from oil reservoir (3) to main oil passage. A filter unit switching unit (14) selectively switches filter units so that selected filter units function as active filter units and remaining filter units function as passive filter units. A switching unit (7) in flow path from oil reservoir to filter units selectively switches filter units so that pressure oil from pressure oil flow path (8) is released, and oil accumulated in a region of passive filter unit is drained to drain channel (20) by suction device (21).

IPC 8 full level

B01D 35/12 (2006.01); **F01M 11/03** (2006.01); **F01M 11/04** (2006.01)

CPC (source: EP KR US)

F01M 1/10 (2013.01 - KR); **F01M 11/03** (2013.01 - EP KR US); **F01M 11/045** (2013.01 - EP US)

Cited by

CN112502808A; DE102020126166A1; DE102022116416A1; DE102023114993A1; EP2987543A2; DE102014012473A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2476870 A1 20120718; **EP 2476870 B1 20160629**; BR 102012000924 A2 20160216; BR 102012000924 A8 20180306; BR 102012000924 B1 20210209; CN 102678223 A 20120919; CN 102678223 B 20160803; DE 102011008680 A1 20120719; KR 101785256 B1 20171016; KR 20120083223 A 20120725; RU 2012101120 A 20130720; SI 2476870 T1 20161130; US 2012180751 A1 20120719; US 8973550 B2 20150310

DOCDB simple family (application)

EP 11009229 A 20111122; BR 102012000924 A 20120113; CN 201210028198 A 20120116; DE 102011008680 A 20110115; KR 20120004262 A 20120113; RU 2012101120 A 20120112; SI 201130965 A 20111122; US 201213351357 A 20120117