

Title (en)

Oil collecting device for an internal combustion engine, particularly a boxer engine

Title (de)

Ölauffangvorrichtung für eine Brennkraftmaschine, insbesondere für einen Boxermotor

Title (fr)

Dispositif de collecte de l'huile pour un moteur à combustion interne, particulièrement pour un moteur à cylindres opposés

Publication

EP 1284342 B1 20041208 (DE)

Application

EP 02014379 A 20020628

Priority

DE 10139709 A 20010811

Abstract (en)

[origin: EP1284342A2] Oil sump device comprises an oil sump housing arranged underneath a crank housing and containing an oil extraction chamber from which lubricating oil is conveyed to consumers via a main oil pump provided with an oil suction line. Lubricating oil from the consumers is recycled via an oil line to at least one oil collection chamber adjoining the oil extraction chamber. The oil extraction chamber is separated from the oil collection chamber by at least one wall section having at least one through opening (48, 50) controlled by a flap (52, 54) via which the lubricating oil can pass from the oil collection chamber into the oil extraction chamber. The wall section provided with the through opening is designed as an insertable oil bulkhead wall (22, 24) inserted between guide ribs (40, 42) provided in the oil sump housing.

IPC 1-7

F01M 11/00; **F01M 11/02**

IPC 8 full level

F01M 1/06 (2006.01); **F01M 11/00** (2006.01); **F01M 11/02** (2006.01); **F01M 13/04** (2006.01); **F02B 75/24** (2006.01); **F02F 7/00** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP US)

F01M 11/0004 (2013.01 - EP US); **F01M 11/02** (2013.01 - EP US); **F02B 75/243** (2013.01 - EP US); **F02B 2075/1824** (2013.01 - EP US); **F05C 2225/02** (2013.01 - EP US)

Cited by

CN102099553A; US9551247B2; WO2010010042A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1284342 A2 20030219; **EP 1284342 A3 20030625**; **EP 1284342 B1 20041208**; DE 10139709 A1 20030227; DE 50201713 D1 20050113; JP 2003065022 A 20030305; US 2003042078 A1 20030306; US 6823968 B2 20041130

DOCDB simple family (application)

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