

Title (en)
Oil module for combustion engine

Title (de)
Ölmodul für Brennkraftmaschinen

Title (fr)
Ensemble modulaire pour la lubrification d'un moteur à combustion

Publication
EP 0898060 B1 20020605 (DE)

Application
EP 98114489 A 19980801

Priority
DE 19736039 A 19970820

Abstract (en)
[origin: EP0898060A1] The oil module is in the form of a single structural unit. It consists of an oil filter (3), an oil cooler (4) and a venting system (5) with oil separator. The unit is fitted on a flange to the internal combustion engine. It may be formed from a casing (6) entirely enclosing the oil cooler, with coolant and oil inputs (7,8) and coolant output (9). The oil passes through a connector (10) to the oil filter (3) built onto the casing. The venting system comes out in the transition cross section.

IPC 1-7
F01M 11/03; **F01M 13/04**

IPC 8 full level
F01M 11/03 (2006.01); **F01M 13/04** (2006.01)

CPC (source: EP)
F01M 11/03 (2013.01); **F01M 13/04** (2013.01)

Cited by
WO2006005329A1; EP2383443A1; DE202004018136U1; FR3087496A1; EP1130225A4; EP3444454A4; DE20310841U1; EP1498582A3; US10704434B2; US7966997B2; WO2008010040A3; DE102011115410A1; WO2013050099A1; US8783216B2; EP1498582A2

Designated contracting state (EPC)
DE FR GB IT NL SE

DOCDB simple family (publication)
EP 0898060 A1 19990224; **EP 0898060 B1 20020605**; DE 19736039 A1 19990225; DE 19736039 B4 20180111; DE 59804293 D1 20020711

DOCDB simple family (application)
EP 98114489 A 19980801; DE 19736039 A 19970820; DE 59804293 T 19980801