

Title (en)

Method of regulating the oilcooling in a combustion engine

Title (de)

Verfahren zum Regeln einer Kühlung von Schmieröl einer Brennkraftmaschine

Title (fr)

Méthode de régulation du refroidissement de l'huile dans un moteur à combustion

Publication

EP 1077314 B1 20050601 (DE)

Application

EP 00114085 A 20000707

Priority

DE 19938688 A 19990814

Abstract (en)

[origin: EP1077314A1] The method involves collecting oil in an oil sump (10), which is at least partly doubled walled. When there is an increased cooling need, the oil is supplied so that it circulates in the double-walled area of the oil sump. When there is less need for cooling, the oil is allowed to rest in the double-walled area of the oil sump. A suction opening (28) of the pump is partly connected to the double-walled area when there is an increased cooling need and is connected to the inner space in the oil sump when there is less need for cooling. An Independent claim is included for an internal combustion machine.

IPC 1-7

F01M 5/00

IPC 8 full level

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

CPC (source: EP)

F01M 11/0004 (2013.01); **F01M 2011/0058** (2013.01)

Cited by

US10808582B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 1077314 A1 20010221; **EP 1077314 B1 20050601**; AT E296945 T1 20050615; DE 19938688 A1 20010215; DE 50010438 D1 20050707

DOCDB simple family (application)

EP 00114085 A 20000707; AT 00114085 T 20000707; DE 19938688 A 19990814; DE 50010438 T 20000707