

Title (en)

Lubricating system for an internal combustion engine.

Title (de)

Schmierungssystem für eine Brennkraftmaschine.

Title (fr)

Système de lubrification pour un moteur à combustion interne.

Publication

EP 0556437 A1 19930825 (EN)

Application

EP 92111479 A 19920707

Priority

- JP 6143592 A 19920215
- JP 6143792 A 19920215

Abstract (en)

The present invention relates to a lubricating system for an internal combustion engine (19) comprising an oil pump (39) driven by the engine, (19) an oil supply passage (38) means for supplying lubricating oil from an oil tank (35) to the oil pump (39) and for delivering lubricating oil from the oil pump (39) to the engine, (19) and a delivery valve (46,47) for regulating the supply of lubricating oil to the engine (19) in response to the operating conditions of said engine. Moreover, the oil pump (39) and the delivery valve (46,47) are disposed in close proximity to each other and to the engine, keeping the lengths of connecting conduits (44,45) between the oil pump (39) and the delivery valve (46,47) short. <IMAGE>

IPC 1-7

F01M 3/02; **F02B 61/02**

IPC 8 full level

F01M 3/02 (2006.01); **F02B 61/02** (2006.01); **F02B 75/22** (2006.01); **F02B 75/02** (2006.01); **F02B 75/18** (2006.01)

CPC (source: EP)

F01M 3/02 (2013.01); **F02B 61/02** (2013.01); **F02B 75/22** (2013.01); **F02B 2075/025** (2013.01); **F02B 2075/1808** (2013.01)

Citation (search report)

- [A] US 2796075 A 19570618 - FOCHT CLAUDE K
- [A] US 4286632 A 19810901 - ABEL DONALD J
- [A] DE 949855 C 19560927 - HERBERT J VENEDIGER DR ING
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 231 (M-414)(1954) 18 September 1985 & JP-A-60 88 811 (SANSHIN KOGYO K.K.) 18 May 1985

Cited by

US6644250B1; WO0227157A1; WO9927236A1

Designated contracting state (EPC)

DE ES FR IT

DOCDB simple family (publication)

EP 0556437 A1 19930825; **EP 0556437 B1 19961002**; DE 69214271 D1 19961107; DE 69214271 T2 19970220

DOCDB simple family (application)

EP 92111479 A 19920707; DE 69214271 T 19920707