

Title (en)

Lubricating oil pump drive circuit for two-cycle engine

Title (de)

Schmierölpumpensteuerschaltung für eine Zweitakt-Brennkraftmaschine

Title (fr)

Circuit de commande de pompe à lubrifiant pour un moteur à combustion interne à deux temps

Publication

EP 0594903 B1 19960724 (EN)

Application

EP 92309829 A 19921027

Priority

EP 92309829 A 19921027

Abstract (en)

[origin: EP0594903A1] A capacitor (C2) stores energy obtained through rectification of the output of an AC generator (1) driven by an engine, and it is discharged periodically by a transistor (5) through a solenoid (4) of a solenoid pump. A pulse prior to smoothing is obtained from the output of the AC generator (1) through a diode to be used as an engine rotational rate signal for obtaining a transistor (5) turn-on timing. The lubricating oil pump is driven independently of the engine rotation, and it is possible to supply the minimum necessary lubricating oil reliably in a two-cycle engine without any battery as well. A common line is provided to a power source line and an engine rotational rate signal line, thus providing a lubricating oil pump drive circuit for a two-cycle engine, which requires a low assembling cost. <IMAGE>

IPC 1-7

F01M 3/02; F01M 1/16

IPC 8 full level

F01M 1/16 (2006.01); **F01M 3/02** (2006.01); **F02B 61/04** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)

F01M 1/16 (2013.01); **F01M 3/02** (2013.01); **F02B 61/045** (2013.01); **F02B 2075/025** (2013.01)

Cited by

WO0175280A1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0594903 A1 19940504; **EP 0594903 B1 19960724**; DE 69212485 D1 19960829; DE 69212485 T2 19970227; ES 2092059 T3 19961116

DOCDB simple family (application)

EP 92309829 A 19921027; DE 69212485 T 19921027; ES 92309829 T 19921027