

Title (en)

CONTROL DEVICE FOR STOPPING AN INTERNAL COMBUSTION ENGINE

Publication

EP 0419591 B1 19921202 (DE)

Application

EP 90902615 A 19900209

Priority

DE 3911559 A 19890408

Abstract (en)

[origin: WO9012207A1] The control device of the invention is designed to enable a diesel engine to be brought rapidly to a halt by evacuating the suction chamber (16) of the fuel-injection pump (10) which supplies the engine with fuel. To this end, the control device (14) has two mechanically and hence permanently driven feed pumps (18; 20) which operate in conjunction with a control valve (12) which is easy and inexpensive to manufacture and which has a valve element (68) which is basically hollow-cylindrical in shape and whose two end faces (72; 78) form control edges. By virtue of its design, the valve (12) is insensitive to dirt and can be built small; it can thus be accommodated in the cover of the fuel-injection pump (10) governor. This device is particularly suitable for diesel engines with high-pressure fuel-injection systems, providing additional reliability.

IPC 1-7

F02M 63/02

IPC 8 full level

F02M 37/00 (2006.01); **F02D 17/00** (2006.01); **F02M 59/44** (2006.01); **F02M 63/00** (2006.01); **F02M 63/02** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP KR US)

F02D 41/30 (2013.01 - KR); **F02M 63/0215** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US); **Y10S 123/02** (2013.01 - EP US); **Y10S 123/11** (2013.01 - EP US)

Citation (examination)

GB 2312860 A 19971112 - BOSCH GMBH ROBERT [DE]

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

WO 9012207 A1 19901018; DE 3911559 A1 19901011; DE 59000541 D1 19930114; EP 0419591 A1 19910403; EP 0419591 B1 19921202; JP H03505360 A 19911121; KR 920700345 A 19920219; US 5076227 A 19911231

DOCDB simple family (application)

DE 9000080 W 19900209; DE 3911559 A 19890408; DE 59000541 T 19900209; EP 90902615 A 19900209; JP 50254290 A 19900209; KR 900702352 A 19901030; US 57638490 A 19900918