

Title (en)  
CONTROL DEVICE FOR STOPPING AN INTERNAL COMBUSTION ENGINE

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Application  
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Abstract (en)  
[origin: WO9101445A1] Mechanical devices are frequently used to shut off fuel injection pumps for diesel internal combustion engines. The control device according to the invention shuts off the pump by means of the steering wheel key when electrically triggered. In addition, it can be used as a redundant emergency shut-off device in electronically controlled fuel injection pumps. To this end, the control device comprises a two-way solenoid valve (19), whose switching condition is governed by the position of the steering wheel key and by a switch contact (16) of a diesel engine control device (17). The solenoid valve (19) controls the supply of engine lubricating oil to a control piston (28) which can move a control rod of the fuel injection pump which controls the fuel supply to the internal combustion engine in its working range. The displacement of the control piston (28) is influenced by a choke (42) and a nonreturn valve (33) in such a manner that after a stop position "O", the control rod (44) automatically moves to a start position "S" necessary for restarting the internal combustion engine. This control device is particularly suitable for fuel injection pumps for diesel internal combustion engines.

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