

Title (en)  
SAFETY SYSTEM FOR AN INTERNAL-COMBUSTION ENGINE

Publication  
**EP 0326694 B1 19910306 (DE)**

Application  
**EP 88120971 A 19881215**

Priority  
DE 3802770 A 19880130

Abstract (en)  
[origin: EP0326694A1] For monitoring a (redundant) safety shut-off in the form of an ELAB solenoid shut-off valve on internal combustion engines, that is particularly diesel engines, it is proposed to separate the voltage supply for the control unit and the fuel delivery control device for the diesel injection pump on the one hand and the control of the solenoid safety shut-off valve on the other hand from one another by means of a relay with cut-out delay, so that when the vehicle is shut off it can be determined whether shutting off of the motor occurs due to interruption of the fuel supply immediately after shut-off, owing to the correct action of the solenoid safety shut-off valve, or delayed together with the subsequent currentless switching of the electrical or electronic control unit for the diesel control. <IMAGE>

IPC 1-7  
**F02D 41/22**; **F02D 41/38**

IPC 8 full level  
**F02D 41/22** (2006.01); **F02D 41/30** (2006.01); **F02D 41/38** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP US)  
**F02D 41/221** (2013.01 - EP US); **F02D 41/30** (2013.01 - EP US); **F02B 3/06** (2013.01 - EP US)

Cited by  
EP0569227A1; EP0596297A3; FR2641327A1; FR2660450A1; FR2628482A1

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**EP 0326694 A1 19890809**; **EP 0326694 B1 19910306**; DE 3802770 A1 19890810; DE 3861965 D1 19910411; JP 2749345 B2 19980513; JP H01224436 A 19890907; US 4905645 A 19900306

DOCDB simple family (application)  
**EP 88120971 A 19881215**; DE 3802770 A 19880130; DE 3861965 T 19881215; JP 1651389 A 19890127; US 30005989 A 19890123