

Title (en)

DEVICE FOR ECONOMIZING FUEL DURING SHORT STANDSTILLS OF A MOTOR VEHICLE

Publication

**EP 0031165 B1 19831221 (DE)**

Application

**EP 80108088 A 19801220**

Priority

DE 2952356 A 19791224

Abstract (en)

[origin: EP0031165A1] 1. Device for reduction of fuel-consumption during short stops of motor vehicles, when the ignition is temporary switched off, comprising a push button (1) which is exclusively destined for this device and also comprising a relay (11) having a coil which on one side can be connected over the ignition lock (4) with the positive pole of the battery (3) and on the other side can be connected to ground by means of an engine controlled aggregate (7) depending whether the engine speed exceeds or falls below a predetermined value, characterized in that this relay (11) always has one of two predetermined positions and the device is so constructed that by pressing the push button (1 resp. 1' resp. 1'') the relay (11) depending from its position (switched on or switched off) which is corresponding to the actual engine speed, either by an additional relay (10) provided with a circuit for keeping the relay (10) in the >>ON<<-position cuts off the ignition or actuates by means of the starter relay (12) the starter (6) and disconnects said circuit for keeping the additional relay (10) in >>ON<<-position and by this switches on the ignition.

IPC 1-7

**F02N 17/00**; **F02D 17/04**

IPC 8 full level

**F02D 17/04** (2006.01); **F02N 11/08** (2006.01); **F02N 17/00** (2006.01); **F02N 99/00** (2010.01)

CPC (source: EP)

**F02D 17/04** (2013.01); **F02N 11/0803** (2013.01); **F02N 11/087** (2013.01)

Citation (examination)

- DE 2517906 B2 19790628
- DE 2158095 B2 19730215
- DE 2803145 A1 19790726 - BOSCH GMBH ROBERT
- FR 2303952 A1 19761008 - HEMONNOT LOUIS [FR]
- FR 2171629 A5 19730921 - BRETAGNE ATEL CHANTIERS [FR]
- US 3779349 A 19731218 - MARUOKA H
- DE 2251837 A1 19740502 - PORSCHE AG
- CH 577111 A5 19760630 - EQUEY ROBERT
- DE 2332627 B2 19790523

Cited by

CN102893020A; FR2892470A1; EP0314611A1; WO2011144450A3

Designated contracting state (EPC)

AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)

**EP 0031165 A1 19810701**; **EP 0031165 B1 19831221**; AT E5668 T1 19840115; DE 2952356 A1 19810702; DE 3065961 D1 19840126

DOCDB simple family (application)

**EP 80108088 A 19801220**; AT 80108088 T 19801220; DE 2952356 A 19791224; DE 3065961 T 19801220