

Title (en)
LOAD CONTROL APPARATUS

Publication
EP 0341341 B1 19910508 (DE)

Application
EP 88114519 A 19880906

Priority
DE 3815735 A 19880507

Abstract (en)
[origin: EP0341341A1] The invention relates to a load control apparatus with a control element (11) capable of acting on a throttle valve (16) of an internal combustion engine, which control element is connected to a carrier (4) coupled to the accelerator pedal (1) and can also be moved by means of an electrical actuating drive (9), with a reference value detection element (7) assigned to the carrier (4), an actual value detection element (12) interacting with this reference value detection element and acting on the electrical actuating drive (9), the electrical actuating drive (9) being controllable by an electronic regulating device (22) as a function of the values detected. It is the object of the invention to create a load control apparatus which is of compact design and permits defined feedback to the throttle valve under all load conditions, particularly in the event of a failure of the electronic regulating device. The solution according to the invention is characterised in that the carrier (4), the control element (11), the reference value detection element (7), the actual value detection element (12) and the actuating drive (9) are arranged in the throttle valve housing (24), the carrier (4) and the control element (11) being coupled by means of a coupling spring (13) and the control element (11) being pretensioned in the direction of a stop (14) on the carrier (4). <IMAGE>

IPC 1-7
F02D 11/10; F02D 41/14

IPC 8 full level
B60K 26/02 (2006.01); **F02D 11/10** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP US)
F02D 11/107 (2013.01 - EP US)

Citation (examination)
EP 0300153 A2 19890125 - VDO SCHINDLING [DE]

Cited by
US5161508A; EP0455877A3; EP0369061A1; US5172667A; WO9115669A1; WO9118194A1

Designated contracting state (EPC)
AT DE ES FR GB IT NL SE

DOCDB simple family (publication)
EP 0341341 A1 19891115; EP 0341341 B1 19910508; AT E63366 T1 19910515; DE 3815735 A1 19891116; DE 3862758 D1 19910613; ES 2021126 B3 19911016; JP H01315629 A 19891220; JP H0772503 B2 19950802; US 5141070 A 19920825

DOCDB simple family (application)
EP 88114519 A 19880906; AT 88114519 T 19880906; DE 3815735 A 19880507; DE 3862758 T 19880906; ES 88114519 T 19880906; JP 10360589 A 19890425; US 62213490 A 19901204