

Title (en)  
LOAD CONTROL APPARATUS

Publication  
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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>

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IPC 8 full level  
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**F02D 11/107** (2013.01 - EP US)

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EP 0300153 A2 19890125 - VDO SCHINDLING [DE]

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

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