

Title (en)
Load control apparatus.

Title (de)
Lastverstelleinrichtung.

Title (fr)
Dispositif de réglage de charge.

Publication
EP 0402521 B1 19940119 (DE)

Application
EP 89119153 A 19891016

Priority
DE 3919093 A 19890610

Abstract (en)
[origin: EP0402521A1] A load control device is proposed with a throttle valve determining the output of an internal combustion engine, this valve being rotationally-fixedly connected to a throttle valve shaft (32) supported in a throttle valve housing (30). This shaft has a mechanical articulated side (33) on the accelerator pedal side and a servo-motor-controlled articulated side (34) to which a coupling element (45) is assigned for mechanical isolation of the throttle valve shaft from the servo motor in a defined angular range of the throttle valve, whilst a device is provided for feedback of the relevant position of the coupling element to an electronic regulating device. In order to facilitate a constructionally simple feedback of the position of the electric servomotor to the articulated side on the accelerator pedal side in the case of a two-sided throttle-valve control of this type, the throttle valve shaft is designed as a tube and the feedback device has a through-shaft (48), which runs through the throttle valve shaft, a first transmission element (49) rotationally-fixedly connected to the through-shaft and the coupling element on the servo-motor-controlled articulated side and a second transmission element (50) rotationally-fixedly connected to the through-shaft on the articulated side on the accelerator pedal side, this element (50) acting in concert with an actual value detection device (18) assigned to the regulating device. <IMAGE>

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

IPC 8 full level
F02D 9/00 (2006.01); **F02D 9/02** (2006.01); **F02D 11/10** (2006.01); **F02D 41/14** (2006.01)

CPC (source: EP US)
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DE ES FR GB IT SE

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