

Title (en)
Load control apparatus

Title (de)
Lastverstelleinrichtung

Title (fr)
Dispositif de réglage de charge

Publication
EP 0455880 B2 19991117 (DE)

Application
EP 90124383 A 19901217

Priority
DE 4014508 A 19900507

Abstract (en)
[origin: EP0455880A2] A load control device is equipped with a throttle valve 9 determining the output of an internal combustion engine, which valve is rotationally fixed to a throttle valve shaft (32) supported in the throttle valve housing (30), the throttle valve shaft (32) having a mechanical articulation side on the accelerator pedal side and a servo motor articulation side to which a coupling element is assigned for the mechanical disconnection of the throttle valve from an electric motor (14), and a device for relaying the respective position of the throttle valve lever (21) arranged on the throttle valve shaft (32) and of a driver element (25) to an electronic control device (17). The relay device has a first transmission element arranged rotationally fixed on the throttle valve shaft (32) and acting in concert with a first potentiometer (23) and a second transmission element supported so that it is free to rotate on the throttle valve shaft (32) and acting in concert with a second potentiometer (24). All parts of the relay device are accommodated in a dust-protected housing 36, resulting in a very compact arrangement. <IMAGE>

IPC 1-7
F02D 11/10

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

CPC (source: EP US)
F02D 11/10 (2013.01 - EP US); **F02D 2009/0294** (2013.01 - EP US); **F02D 2011/103** (2013.01 - EP US)

Cited by
CN106150705A

Designated contracting state (EPC)
DE FR GB IT SE

DOCDB simple family (publication)
EP 0455880 A2 19911113; **EP 0455880 A3 19911227**; **EP 0455880 B1 19930922**; **EP 0455880 B2 19991117**; DE 4014508 A1 19911114;
DE 59002858 D1 19931028; US 5168850 A 19921208

DOCDB simple family (application)
EP 90124383 A 19901217; DE 4014508 A 19900507; DE 59002858 T 19901217; US 68890291 A 19910419