

Title (en)

THROTTLE VALVE POSITIONING DEVICE FOR A MIXTURE PREPARING DEVICE FOR INTERNAL COMBUSTION ENGINE

Publication

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Application

EP 89106020 A 19890406

Priority

DE 3813530 A 19880422

Abstract (en)

[origin: EP0338329A2] In the electronic control and/or regulation of internal combustion engines it is known practice to replace direct adjustment of the throttle valve by an indirect adjustment, the use of vacuum cells being known in this context. This has the disadvantage, however, that, in an emergency, for example if the electronics fail, direct adjustment of the throttle valve is no longer possible. The new adjusting device has characteristics which take account of this in that the accelerator drawplate is connected via a second rod to a second diaphragm of the vacuum cell, that the first and/or second rod extends with a rod section into the chamber formed between the diaphragms and is guided by an end section in an axial recess in the second and/or first rod and that the recess permits a smaller adjusting movement of the end section, in terms of axial displaceability of the end section, than that of the second rod. In the event of failure or malfunction of electronic, electrical or mechanical components, full closing of the throttle valve is ensured. Where the internal combustion engine is used in a vehicle, emergency running of the internal combustion engine in a partial load range allows it to be driven on to a workshop. <IMAGE>

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