

Title (en)

Device for the regulation of rotation speed, in particular for the limitation of the rotation speed of a combustion engine.

Title (de)

Vorrichtung zur Drehzahlregelung, insbesondere zur Drehzahlbegrenzung an einem Verbrennungsmotor.

Title (fr)

Dispositif de régulation de régime, en particulier pour limiter le régime d'un moteur à combustion.

Publication

EP 0401155 B1 19940504 (DE)

Application

EP 90810222 A 19900320

Priority

CH 202989 A 19890530

Abstract (en)

[origin: EP0401155A1] The device comprises a control circuit (3), which is connected to a reference value emitter (1) and an actual value emitter (6) via electrical leads (2, 7). A third electrical lead (8) feeds pulses corresponding to the speed of rotation of the internal combustion engine to the control circuit. Also connected to the control circuit is an adjusting element (10) for adjusting the maximum speed of rotation of the internal combustion engine. A control element (4) comprises an electric motor (11), an electromagnetic clutch (12), a regulating member (13) and the actual value emitter coupled to the latter. The throttle valve (15) of a carburettor arrangement (5) responds to the movement of an accelerator pedal (17) until the set maximum speed of rotation of the internal combustion engine is attained. Lead-monitoring devices (9) control the clutch (12) so that the throttle valve (15) is returned to the rest position corresponding to idling of the internal combustion engine by isolating the electric motor (11) from the adjusting member (13) in the event of a defective electrical lead (2, 7, 8). The device can easily be fitted to any internal combustion engine without having to make further engine adjustments. <IMAGE>

IPC 1-7

F02D 11/10; **F02D 41/22**

IPC 8 full level

F02D 11/10 (2006.01); **F02D 31/00** (2006.01); **F02D 41/22** (2006.01)

CPC (source: EP)

F02D 31/009 (2013.01)

Cited by

CN115750104A; US9278698B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0401155 A1 19901205; **EP 0401155 B1 19940504**; AT E105374 T1 19940515; DE 59005585 D1 19940609

DOCDB simple family (application)

EP 90810222 A 19900320; AT 90810222 T 19900320; DE 59005585 T 19900320