

Title (en)  
CENTRIFUGAL GOVERNOR FOR FUEL INJECTION-TYPE INTERNAL-COMBUSTION ENGINES

Publication  
**EP 0158846 B1 19880608 (DE)**

Application  
**EP 85103151 A 19850319**

Priority  
DE 3414846 A 19840419

Abstract (en)  
[origin: US4586470A] A centrifugal speed governor, functioning as a minimum-maximum-speed governor, includes an adjusting member which is pivotable for adjusting the supply quantity, and the governor rod of the associated injection pump is adjustable via an intermediate lever by means of the adjusting member and a governor spring which is displaceable counter to the force of associated governor springs. The travel of the governor rod is limited in the direction of an increasing supply quantity by a governor rod stop including a starting spring. With the adjusting member resting on an end stop, the governor rod is pressed away from a basic rest position (P) into its full-load position (V), and the differential travel ( DELTA R) thereby resulting is absorbed by an accumulator in the governor linkage, preferably in the governor sleeve. The deflection stroke (A) of the accumulator is only slightly longer than that required to compensate for the differential travel ( DELTA R). As a result, with the governor off the idling spring, with the accumulator blocked, can positively press the starting spring in the governor rod stop. Thus it is possible, in minimum-maximum-speed governors, to control a constant full-load position.

IPC 1-7  
**F02D 1/04**

IPC 8 full level  
**F02D 1/02** (2006.01); **F02D 1/04** (2006.01); **F02D 1/10** (2006.01)

CPC (source: EP US)  
**F02D 1/04** (2013.01 - EP US); **F02D 1/045** (2013.01 - EP US); **F02D 1/10** (2013.01 - EP US)

Cited by  
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Designated contracting state (EPC)  
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**EP 0158846 A2 19851023**; **EP 0158846 A3 19870204**; **EP 0158846 B1 19880608**; BR 8501861 A 19851217; DE 3414846 A1 19851024; DE 3563238 D1 19880714; JP H0577858 B2 19931027; JP S60237129 A 19851126; US 4586470 A 19860506

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