

Title (en)

Centrifugal governor for internal combustion engines.

Title (de)

Fliehkraftdrehzahlregler für Einspritzbrennkraftmaschinen.

Title (fr)

Régulateur de vitesse centrifuge pour moteurs à combustion interne.

Publication

**EP 0425801 B1 19931201 (DE)**

Application

**EP 90117627 A 19900913**

Priority

DE 3936184 A 19891031

Abstract (en)

[origin: EP0425801A1] In the control linkage of a centrifugal governor of a fuel injection pump (15), the transmission length of the inserted adjusting element (19) between the centrifugal weights (14) and the delivery feed adjustment member (32) is variable, the linking of a switch lever (62) designed as a starting delivery disengaging lever also being influenced at the same time. To this end an actuating element (58), via which a stop bolt (53) connected to the switch lever (62) can be axially displaced, has locking teeth (68) which under the frictional force of a slip spring (36) engages with a counter toothing (69) of a supporting section (44) fitted in the adjusting element (19) so that it cannot rotate, thereby forming a locking device (67). By means of a rotary movement imparted to the actuating element (58) a sensitive self-locking positioning of the switch lever (62) is achieved, isolated from the linking of the control linkage (24) and the centrifugal weights (14), and a precisely adjustable centrifugal governor is created. <IMAGE>

IPC 1-7

**F02D 1/04**; **F02D 1/10**

IPC 8 full level

**F02D 1/04** (2006.01); **F02D 1/10** (2006.01); **F02M 59/44** (2006.01)

CPC (source: EP)

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**EP 0425801 A1 19910508**; **EP 0425801 B1 19931201**; DE 3936184 A1 19910502; DE 59003688 D1 19940113; JP H03156131 A 19910704

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