

Title (en)
SPEED GOVERNOR FOR A FUEL INJECTION PUMP

Publication
EP 0209681 B1 19890920 (DE)

Application
EP 86107316 A 19860530

Priority
DE 3522434 A 19850622

Abstract (en)
[origin: EP0209681A1] 1. Speed governor for fuel injection pumps having at least one governor lever (9, 14) to adjust the fuel quantity which is injected per pump piston stroke of the fuel injection pump, having a force as a function of the speed which engages the governor lever at least indirectly and having a governor spring arrangement (15), coupled on the one hand to a point on the governor lever, which is adjustable by a pivotable support arm (37) arranged on a shaft (26, 36) which is mounted in the housing of the fuel injection pump and passed out through a wall of the housing and exhibits an adjusting lever (29) there, which support arm (37) is coupled to a second part (38) adjustable thereon in the direction of the governor spring arrangement, to one end of which the governor spring arrangement is fastened and by the pivoting of which the angular position of the axis of the governor spring arrangement (25) to the initial position of the governor lever (14) and the pretension of the governor spring arrangement are variable, characterized in that the support arm (35, 35') is arranged inside the housing of the fuel injection pump and the second part is slidable on the support arm, is coupled to the support arm (37) by two slot and pin joints (39, 40, 41, 42) and is adjustable by an adjusting member (49, 52; 59) passed coaxially through the shaft (36).

IPC 1-7
F02D 1/04

IPC 8 full level
F02D 1/04 (2006.01)

CPC (source: EP)
F02D 1/04 (2013.01)

Cited by
EP0356751A3; DE3829798A1

Designated contracting state (EPC)
DE FR GB

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EP 0209681 A1 19870128; EP 0209681 B1 19890920; DE 3522434 A1 19870102; DE 3665752 D1 19891026; JP 2672296 B2 19971105; JP S61294142 A 19861224

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