

Title (en)

Mechanical speed regulator for a fuel injection pump of compression ignition internal combustion engines.

Title (de)

Mechanischer Drehzahlregler für eine Kraftstoffeinspritzpumpe von luftverdichtenden selbstzündenden Brennkraftmaschinen.

Title (fr)

Régulateur mécanique de vitesse pour une pompe d'injection de combustible des moteurs à compression d'air et à autoallumage.

Publication

EP 0438651 B1 19940413 (DE)

Application

EP 90121692 A 19901113

Priority

DE 4001789 A 19900123

Abstract (en)

[origin: US5063900A] A mechanical speed governor for a fuel injection pump of air-compressing auto-ignition internal combustion engines has a stop bracket effecting the release of the starting quantity and limiting the full-load quantity, a flyweight arrangement with integrated positive adaptation acting in the upper speed range and a rocker lever which is in effective connection with the flyweight arrangement. The stop bracket is shifted from a position corresponding to the full-load speed. The rocker lever alters the control travel of the quantity control member for full load via the stop bracket and a counterstop connected to the quantity control member, and effects a negative adaptation in the lower speed range.

IPC 1-7

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

IPC 8 full level

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

CPC (source: EP US)

F02D 1/10 (2013.01 - EP US); **F02M 59/447** (2013.01 - EP US)

Designated contracting state (EPC)

ES FR GB IT NL SE

DOCDB simple family (publication)

DE 4001789 C1 19910314; EP 0438651 A1 19910731; EP 0438651 B1 19940413; ES 2055277 T3 19940816; US 5063900 A 19911112

DOCDB simple family (application)

DE 4001789 A 19900123; EP 90121692 A 19901113; ES 90121692 T 19901113; US 62197790 A 19901204