

Title (en)

Mechanical governor of a fuel injection pump for internal-combustion engines.

Title (de)

Mechanischer Drehzahlregler einer Kraftstoffeinspritzpumpe für Brennkraftmaschinen.

Title (fr)

Régulateur mécanique de vitesse d'une pompe d'injection pour moteurs à combustion interne.

Publication

EP 0377105 B1 19940223 (DE)

Application

EP 89121365 A 19891118

Priority

DE 3844473 A 19881231

Abstract (en)

[origin: EP0377105A1] Mechanical governor for internal-combustion engine in which the feed rate adjustment element (16) is operated through the intermediary of a reversing lever (12) on which on the one hand a speed sensor (10) and on the other hand a load range input (20) acts in order to determine the regulating distance, the sleeve bolt (9) arranged between the regulating sleeve (6) and regulating springs (28, 29, 31) being designed in two parts with a first sleeve section (57), on which the centrifugal forces act and a second sleeve section (58) on which the reversing lever acts and with a minus adapter spring (59) between the two sleeve sections (57, 58) and a carrier stop interlocking on the first sleeve section (57), which stop acts in concert with the reversing lever (12). <IMAGE>

IPC 1-7

F02D 1/10

IPC 8 full level

F02D 1/04 (2006.01); **F02D 1/06** (2006.01); **F02D 1/10** (2006.01)

CPC (source: EP)

F02D 1/04 (2013.01); **F02D 1/065** (2013.01); **F02D 1/10** (2013.01)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 0377105 A1 19900711; **EP 0377105 B1 19940223**; DE 3844473 A1 19900705; DE 58907040 D1 19940331; ES 2049304 T3 19940416; JP 3043352 B2 20000522; JP H02221638 A 19900904

DOCDB simple family (application)

EP 89121365 A 19891118; DE 3844473 A 19881231; DE 58907040 T 19891118; ES 89121365 T 19891118; JP 33887089 A 19891228