

Title (en)

CONTROL SYSTEM FOR VARYING INJECTION TIMING AND/OR FUEL DELIVERY OF A FUEL INJECTION PUMP FOR INTERNAL-COMBUSTION ENGINES

Publication

EP 0069111 B1 19840815 (DE)

Application

EP 82890086 A 19820608

Priority

AT 258581 A 19810610

Abstract (en)

[origin: US4432320A] In a control equipment for adjusting the moment of fuel injection and/or the amount of fuel supplied by a fuel injection pump in internal combustion engines, at least one mechanical energy accumulator (9, 10) is provided between an adjusting member (2, 3) for the begin of fuel supply and/or for the amount of fuel supplied and an electrical servomotor (4), said energy accumulator comprising two mutually movable spring collars (12, 13) between which is accommodated a pre-stressed compression spring (11) and the maximum distance of which one from the other is limited by abutments (14, 15) of a housing surrounding the spring collars. (FIG. 1).

IPC 1-7

F02D 1/10

IPC 8 full level

F02D 41/40 (2006.01); **F02D 1/02** (2006.01); **F02D 1/10** (2006.01); **F02M 63/02** (2006.01)

CPC (source: EP US)

F02D 1/10 (2013.01 - EP US); **F02M 63/022** (2013.01 - EP US)

Cited by

US4850321A; EP0239523A3; AT389351B; DE3713288A1; EP0256254A1; DE3416691A1; US4570588A

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0069111 A1 19830105; EP 0069111 B1 19840815; DE 3260578 D1 19840920; JP S5838333 A 19830305; US 4432320 A 19840221

DOCDB simple family (application)

EP 82890086 A 19820608; DE 3260578 T 19820608; JP 9787182 A 19820609; US 37872882 A 19820517