

Title (en)

FUEL INJECTION PUMPING APPARATUS

Publication

EP 0402014 B1 19930721 (EN)

Application

EP 90305692 A 19900525

Priority

GB 8912823 A 19890603

Abstract (en)

[origin: EP0402014A2] A fuel pumping apparatus for supplying fuel to an internal combustion engine has an injection pump 10 supplied with fuel by a low pressure feed pump 14 through an adjustable throttle 16. A fluid pressure operable piston 12 is movable against the action of a spring 13 to control the timing of delivery of fuel by the injection pump. Fuel under pressure is applied to the piston through a first fixed orifice 20 from the feed pump. A second fixed orifice 22 and a variable orifice 23 are connected in series between a drain and the downstream side of the first fixed orifice. In parallel with the first fixed orifice is a constant pressure drop valve 26 which maintains the pressure drops across the first fixed orifice substantially constant when the pressure drop has risen to a predetermined value.

IPC 1-7

F02D 1/18; F02M 41/14

IPC 8 full level

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CPC (source: EP)

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