

Title (en)

FUEL INJECTION PUMP FOR INTERNAL COMBUSTION ENGINES

Publication

EP 0080113 B1 19860312 (DE)

Application

EP 82110388 A 19821111

Priority

DE 3146499 A 19811124

Abstract (en)

[origin: US4450805A] A fuel injection pump is proposed in which the quantity adjustment member has a travel limitation device in the form of an adjustable stop, which is adjusted in accordance with the displacement of an adjusting piston in accordance with a contour formed in the jacket face thereon. The displacement of the adjusting piston is effected via rpm-dependent pressure of the suction chamber counter to the force of a restoring spring and counter to a pressure which can be established with the aid of a pressure control valve in accordance with engine operating parameters. The adjustment of the stop is thus effected with the high work capacity of the suction chamber pressure, and the limitation of the adjustment is attained with the aid of the modulated pressure diverted from the suction chamber pressure.

IPC 1-7

F02D 1/12

IPC 8 full level

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CPC (source: EP US)

F02D 1/065 (2013.01 - EP US); **F02D 1/12** (2013.01 - EP US); **F02M 59/447** (2013.01 - EP US)

Cited by

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