

Title (en)

FUEL INJECTION PUMP FOR FEEDING THE COMBUSTION CHAMBER OF AN AUTOMOTIVE ENGINE

Publication

**EP 0297288 B1 19911227 (DE)**

Application

**EP 88108554 A 19880528**

Priority

DE 3721300 A 19870627

Abstract (en)

[origin: EP0297288A2] A fuel injection pump for feeding the combustion chambers of automotive engines is proposed in which, in addition to the fuel delivery quantity control according to the operating parameters of the engine, an adjustment device (140, 144) is provided by means of which the quantity of fuel delivered by the fuel injection pump is varied in the opposite phase to the acceleration process triggering the bucking according to an anti-bucking signal obtained from rapid relative movements on the vehicle. This is done by the action of an electrical stepped motor (140) on an adjusting lever (29) of the fuel delivery quantity control device (20), engaging on the fuel delivery quantity adjustment element (19), and/or on a setting lever (38) on which the swivel axis (30) of the adjusting lever (29) is held. The stepped motor (140) is controlled by an electrical control appliance (144) which preferably generates the anti-bucking signal from oscillations in an engine speed signal. <IMAGE>

IPC 1-7

**F02D 41/14; F02D 41/40**

IPC 8 full level

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