

Title (en)
FUEL-INJECTION PUMP

Title (de)
KRAFTSTOFFEINSPRITZPUMPE

Title (fr)
POMPE D'INJECTION DE CARBURANT

Publication
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Application
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Abstract (en)
[origin: US5769056A] PCT No. PCT/DE96/00674 Sec. 371 Date May 12, 1997 Sec. 102(e) Date May 12, 1997 PCT Filed Apr. 17, 1996 PCT Pub. No. WO97/10430 PCT Pub. Date Mar. 20, 1997A fuel injection pump includes an injection onset adjustment piston in a cylinder bore that adjusts injection. The onset adjustment piston is embodied as a following piston which includes therein a control slide valve. The onset adjustment piston encloses a work chamber on one end, and is acted upon by the pressure in the work chamber counter to the force of a restoring spring. The onset adjustment piston is connected to an essentially stationary part of a cam drive of the fuel injection pump. In order to prevent feedback from the work chamber via the control slide valve and its adjustment, the control slide valve is effectively damped by means of a separate pin on an end of the control slide valve which extends into a blind bore of the onset adjustment piston.

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