

Title (en)

Fuel injection device with pilot- and main-injection of different fuels through a one-needle injection valve

Title (de)

Kraftstoffeinspritzvorrichtung für eine Vor- und Hauptspritzung unterschiedlicher Kraftstoffe über ein Einnadel-Einspritzventil

Title (fr)

Dispositif d'injection de combustible à pré-injection et injection principale de combustibles différents par un injecteur mono-aiguille

Publication

**EP 0610584 B1 19960904 (DE)**

Application

**EP 93120307 A 19931216**

Priority

AT 22393 A 19930209

Abstract (en)

[origin: EP0610584A1] The invention relates to a fuel injection device for pilot and main injection of different fuels. For this purpose a single-needle injection valve (9) of comparatively simple design, a specially functioning injection pump (1) and external means of control (19, 38, 40) are provided, by means of which, on completion of one injection, refilling of pilot injection fuel and main injection fuel can be performed with the aim of fuel stratification in the injection valve (9). <IMAGE>

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IPC 8 full level

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CPC (source: EP)

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Cited by

FR2759738A1; KR101137614B1; CN103180600A; GB2291123A; FR2721660A1; US5601067A; GB2291123B; US9388782B2; US8944027B2; US8733326B2; WO2012057530A3

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