

Title (en)

Perfected diesel engine electromagnetic fuel injector.

Title (de)

Elektromagnetischer Kraftstoffinjektor eines Dieselmotors.

Title (fr)

Injecteur électromagnétique de carburant pour moteur diesel.

Publication

EP 0385398 A2 19900905 (EN)

Application

EP 90103803 A 19900227

Priority

IT 5290389 U 19890228

Abstract (en)

A perfected fuel injector comprising an axially-sliding plunger (8) for controlling fuel passage between an injection chamber (13), supplied with fuel under pressure, and at least an injection orifice (9) formed in an injection nozzle (10); which injection chamber (13) is defined by a cylindrical surface (12) coaxial with the plunger (8). According to the present invention, the plunger (8) comprises a cylindrical portion (25) slightly smaller in diameter than the cylindrical surface (12), so as to define, downstream from the cylindrical portion (25), an injection chamber portion (26) of predetermined volume, and so as to define, between the cylindrical portion (25) and cylindrical surface (12), an annular channel (27) enabling fuel passage to the injection chamber portion (26) and along which a predetermined fall in fuel pressure is achieved.

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IPC 8 full level

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Cited by

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