

Title (en)

PRESSURE BOOSTING SYSTEM FOR AT LEAST ONE FUEL INJECTOR

Title (de)

DRUCKVERSTÄRKUNGSSYSTEM FÜR MINDESTENS EINEN KRAFTSTOFFINJEKTOR

Title (fr)

SYSTÈME D'AMPLIFICATION DE PRESSION POUR AU MOINS UN INJECTEUR DE CARBURANT

Publication

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Application

EP 08749561 A 20080415

Priority

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Abstract (en)

[origin: WO2008135349A1] The invention relates to a pressure boosting system for at least one fuel injector of a high pressure injection system of an internal combustion engine, having a hydraulic pressure booster (16) that is actuated by a control valve (26). The hydraulic pressure booster is configured with a pressure boosting piston (32), which comprises a first pressure booster piston part (54) having a diameter D_{21} and a second pressure booster piston part (56) having a diameter D_{22} , wherein the diameter D_{21} is greater than the diameter D_{22} . The pressure booster piston (32) is disposed within a hydraulic accumulator chamber (48), onto which pressure is applied, together with the first pressure booster piston part (54) having the greater diameter D_{21} , wherein the accumulator chamber in turn is configured within a base body (30). The base body (30) has a piston guide body (36) for at least one of the pressure booster piston parts (54, 56). The piston guide body (36) is at least partially surrounded by an annular space (49), which is part of the hydraulic accumulator chamber (48).

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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