

Title (en)

PRESSURE BOOSTER FOR STROKE-DEPENDENT DAMPING

Title (de)

DRUCKVERSTÄRKER MIT HUBABHÄNGIGER BEDÄMPFUNG

Title (fr)

MULTIPLICATEUR DE PRESSION DONT L'AMORTISSEMENT DEPEND DE LA COURSE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004042223A1] The invention relates to a pressure booster for a fuel injection device, comprising a conical pressure boosting element (5) inserted into housing (10). Said element separates a working chamber (2) from a differential pressure chamber (6). Said differential pressure chamber (6) can be connected to a high pressure source by means of a control line (7) or can be relieved of pressure in a low pressure area. The conical pressure boosting element (5) is impinged upon by a restoring spring (13). Said restoring spring (13) is supported on a ring-shaped insert (15) inside the housing (10). A damper throttle (24) is embodied in the ring-shaped insert (15) by means of which fuel flows in from the working chamber (2) of the pressure booster (1) into a hydraulic chamber (22) when pressure in the differential pressure chamber (6) is relieved.

IPC 1-7

F02M 57/02

IPC 8 full level

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