

Title (en)

FUEL INJECTOR HAVING INJECTION CURVE SHAPING CARRIED OUT BY SWITCHABLE THROTTLING ELEMENTS

Title (de)

KRAFTSTOFFINJEKTOR MIT EINSPRITZVERLAUFSFORMUNG DURCH SCHALTBARE DROSSELELEMENTE

Title (fr)

INJECTEUR DE CARBURANT AVEC MISE EN FORME DE LA COURBE D'INJECTION AU MOYEN D'ELEMENTS D'ETRANGLEMENT COMMANDES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03004856A1] The invention relates to a fuel injector for injecting fuel into the combustion chamber of an internal combustion engine. A multi-way valve (18) is accommodated inside the injector body (2) and comprises a valve body (20) enclosed by a valve space (19). A control space (3) is subjected to the action of pressure or relieved from pressure when the multi-way valve (18) inside the injector body (2) is actuated, whereby the control space (3) is pressurized via at least one inlet throttling element (15) and is relieved from pressure via at least one discharge throttling element (16). Another discharge throttling element (25) is connected down from the valve space (19) of the multi-way valve (18) on the discharge side, whereby the valve space (19) and the control space (3) are connected to one another via a main flow channel (8) and an auxiliary flow channel (11).

IPC 8 full level

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