

Title (en)

VALVE FOR THE DOSED INTRODUCTION OF A VOLATILIZED COMBUSTIBLE FUEL INTO THE INTAKE LINE OF AN INTERNAL COMBUSTION ENGINE

Title (de)

VENTIL ZUM DOSIERTEN EINLEITEN VON VERFLÜCHTIGTEM BRENNSTOFF IN EINEN ANSAUGKANAL EINER BRENNKRAFTMASCHINE

Title (fr)

SOUPAPE POUR INTRODUIRE DE MANIERE DOSEE DU CARBURANT VOLATIL DANS LE CANAL D'ASPIRATION D'UN MOTEUR A COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: DE19935261A1] Disclosed is a valve for the dosed introduction of a volatilized fuel from the fuel tank of an internal combustion engine into the intake line of an internal combustion engine. Said valve has a closing member (27) which is situated between a valve seat body (22) and a magnetic core (15) of an electromagnet (13) said member having at least one opening (28) and being actuated by a release mechanism (31) can be opened in the vane closing direction. Said member be actuated by electromagnets (13) in the valve opening direction. Said valve also has a cushioning element (60) located on the valve closing member (27), which protrudes through the valve closing member (27) in the axial direction. The invention is characterized in that the at least one valve opening (25) located on the valve seat body (22) is situated opposite another opening (29) integrated into the valve closing member (27). Said opening is virtually of the same shape as the at least one valve opening (25) and is larger than said opening and is covered by the cushioning element (60) which faces the face of the valve seat body (22).

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