

Title (en)

FUEL INJECTION VALVE COMPRISING A DAMPING ELEMENT BETWEEN THE ARMATURE AND THE VALVE NEEDLE

Title (de)

BRENNSTOFFEINSPRITZVENTIL MIT EINEM DÄMPFUNGSELEMENT ZWISCHEN ANKER UND VENTILNADEL

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT DOTEE D'UN ELEMENT D'AMORTISSEMENT DISPOSE ENTRE L'INDUIT ET LA TIGE DE SOUPAPE

Publication

**EP 1387941 A1 20040211 (DE)**

Application

**EP 02732382 A 20020409**

Priority

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Abstract (en)

[origin: WO02084102A1] The invention relates to a fuel injection valve (1) for fuel injection systems of internal combustion engines, comprising a valve needle (3), which co-operates with a valve seat surface (6) to form a seal seat and an armature (20) that acts upon the valve needle (3). The armature (20) can be displaced axially on the valve needle (3) and is damped by a damping element (32) that consists of an elastomer. Said damping element (32) rests on a sleeve (31) that is connected to the valve needle (3) by a non-positive fit. The damping element (32) is located in a recess (35), which is configured in a front face on an outflow side (34) of the armature (20).

IPC 1-7

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IPC 8 full level

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CPC (source: EP)

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