

Title (en)
Fluid injection valve

Title (de)
Einspritzventil für Flüssigkeit

Title (fr)
Soupape d'injection de fluide

Publication
EP 1741925 A1 20070110 (EN)

Application
EP 05014578 A 20050705

Priority
EP 05014578 A 20050705

Abstract (en)
A fluid injection valve is provided with a body, which comprises a recess. It further is provided with a needle (10) being arranged in the recess of the body and preventing a fluid flow through at least one injection nozzle (24) in a closing position and outside of the closing position enabling the fluid flow. A spring (14) is provided for preloading the needle (10) towards the closing position. An adjusting tube (22) is provided for setting the preloading force of the spring (14). The adjusting tube (22) is designed for the fluid flowing through it towards the injection nozzle (24) and is provided with a damper (46) designed for dampening the fluid flow.

IPC 8 full level
F02M 61/20 (2006.01); **F02M 51/06** (2006.01); **F02M 55/04** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)
F02M 51/0671 (2013.01); **F02M 55/04** (2013.01); **F02M 61/165** (2013.01); **F02M 61/205** (2013.01); **F02M 61/168** (2013.01); **F02M 2200/315** (2013.01); **F02M 2200/505** (2013.01)

Citation (search report)

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Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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