

Title (en)
VALVE FOR METERING A FLUID

Title (de)
VENTIL ZUM ZUMESSEN EINES FLUIDS

Title (fr)
VANNE DE DOSAGE D'UN FLUIDE

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Abstract (en)
[origin: WO2018114088A1] The invention relates to a valve (1) for metering a fluid, which, in particular, is used as a fuel injection valve for internal combustion engines, comprises an electromagnetic actuator (10) and a valve needle (5) that can be actuated by the actuator (10), wherein an armature (6) of the actuator (10) is guided on the valve needle (5), wherein a stop element (7) which limits the movement of the armature (6) relative to the valve needle (5) is arranged on the valve needle (5), and wherein the armature (6) has a spring holder (27) that opens toward the stop element (7) and into which a spring (27) supported on the stop element (7) is inserted. Here, the valve needle (5) is guided along a longitudinal axis (4) of the housing (2) via the armature (6) and/or the stop element (7). In addition, as viewed along the longitudinal axis (4), a length (f) of the spring folder (25) is smaller than a spring length (F) of the spring in the non-actuated initial state.

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