

Title (en)
ELECTROMAGNETICALLY ACTUATED VALVE

Title (de)
ELEKTROMAGNETISCH BETÄTIGBARES VENTIL

Title (fr)
SOUPAPE À ACTIONNEMENT ÉLECTROMAGNÉTIQUE

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Abstract (en)
[origin: WO2009053191A1] The invention relates to an electromagnetically actuated valve, particularly a fuel injection valve for fuel injection systems of internal combustion engines. The valve comprises an electromagnetic actuating element having a magnetic coil (1), a stationary core (2), a valve casing (5), and a movable armature (17) for activating a valve-closing body (19), which interacts with a valve seat surface (16) provided on a valve seat body (15). A sleeve-shaped guide body (62) is inserted into an inner longitudinal bore (23) of the armature (17) and into an inner flow bore (28) of the interior pole (2), wherein the guide body (62) is stationary in the armature (17) or in the interior pole (2) and is loosely guided in the other component. The valve is suitable as a fuel injection valve, particularly for use in fuel injection systems of mixture-compressing, spark-ignited internal combustion engines.

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