

Title (en)
ELECTROMAGNETICALLY ACTIVATED VALVE

Title (de)
ELEKTROMAGNETISCH BETÄTIGBARES VENTIL

Title (fr)
SOUPAPE À ACTIONNEMENT ÉLECTROMAGNÉTIQUE

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Application
EP 08804800 A 20080926

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Abstract (en)
[origin: WO2009053211A1] The invention relates to an electromagnetically activated valve, particularly a fuel injection valve for fuel injection systems of internal combustion engines. The valve comprises an electromagnetic activating 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). The valve further comprises a return spring (25) for returning the valve closing body (19) until said body rests on the valve seat surface (16). The return spring (25) and an inner longitudinal bore (23) of the armature (17) are matched with each other such that the armature (17) is guided during the axial movement thereof exclusively along the return spring (25). 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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