

Title (en)
ELECTROMAGNETICALLY ACTUATABLE INLET VALVE AND HIGH-PRESSURE PUMP HAVING AN INLET VALVE

Title (de)
ELEKTROMAGNETISCH BETÄTIGBARES EINLASSVENTIL UND HOCHDRUCKPUMPE MIT EINLASSVENTIL

Title (fr)
SOUPAPE D'ADMISSION À COMMANDE ÉLECTROMAGNÉTIQUE ET POMPE HAUTE PRESSION MUNIE D'UNE SOUPAPE D'ADMISSION

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Application
EP 16788133 A 20161031

Priority
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Abstract (en)
[origin: WO2017097498A1] The invention proposes an electromagnetically actuatable inlet valve (24) for a high-pressure pump, in particular of a fuel-injection system. The inlet valve (24) has a valve member (34) which can be moved between an open position and a closed position. An electromagnetic actuator (60) is provided, by means of which the valve member (34) can be moved, wherein the electromagnetic actuator (60) has an armature (68) which acts at least indirectly on the valve member (34), a magnet coil (64) which surrounds the armature (68), and a magnetic core (66) against which the armature (68) comes to rest at least indirectly when current is applied to the magnet coil (64), wherein the armature (68) is movably guided in a carrier element (78), and the carrier element (78) and the magnetic core (66) are interconnected. The carrier element (78) and the magnetic core (66) are interconnected by a sleeve-shaped connection element (90) which is integrally bonded in a first connection region (92) to the carrier element (78) and/or the magnetic core (66), and interlockingly engages the carrier element and/or the magnetic core in a second connection region (94) offset relative to the first connection region (92) in the direction of the longitudinal axis (91) of the connection element (90).

IPC 8 full level
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