

Title (en)
HYDRAULIC COUPLING

Title (de)
HYDRAULISCHER KOPPLER

Title (fr)
COUPLEUR HYDRAULIQUE

Publication
EP 2766593 A1 20140820 (DE)

Application
EP 12770055 A 20120925

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Abstract (en)
[origin: WO2013053594A1] A hydraulic coupling, in particular for fuel injection valves, is specified, which hydraulic coupling has a housing pot (31) with pot bottom (311) and pot shell (312), a piston (33) which is guided axially displaceably in the housing pot (31), a fluid-filled coupling gap (35) which is provided between the piston (33) and the pot bottom (311), a diaphragm (36) which is arranged on that outer side of the housing pot (31) which faces away from the piston (33), a compensation chamber (37) which is delimited by the diaphragm (36) and is flow-connected to the coupling gap (35), and a spring element (40) which acts on the diaphragm (36) with an axially directed spring force. In order to achieve a low overall stiffness of the hydraulic coupling at the required predefined coupling force, the spring element (40) is configured as a spring clip (45) which is fixed on the housing pot (31) and bears with axial prestress against the diaphragm (36) in the region of the pot bottom (311).

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