

Title (en)
VALVE

Title (de)
VENTIL

Title (fr)
SOUPAPE

Publication
EP 0917622 A1 19990526 (DE)

Application
EP 98914802 A 19980221

Priority
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Abstract (en)
[origin: DE19724091A1] In existing valves with a spherical valve closing body and a spherical valve seat surface, the valve closing body is located in a contact circle on the valve seat surface. One possible danger is that the valve closing body no longer seals the valve seat surface after a given operating time of the valve, thereby causing the fluid leakage. The inventive valve seeks to improve the sealing capability of the valve. A recess (40) in the valve seat surface (29) forms a first circular edge (41) and a second circular edge (42). When the valve is closed, the spherical closing body (7) is placed on both circular edges (41, 42), thereby improving the sealing ability of the valve. The inventive valve is particularly useful in fuel injection valves for externally ignited mixture compressing internal combustion engines.

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IPC 8 full level
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