

Title (en)
FUEL INJECTION VALVE FOR INTERNAL COMBUSTION ENGINES

Title (de)
KRAFTSTOFFEINSPRITZVENTIL FÜR BRENNKRAFTMASCHINEN

Title (fr)
SOUPAPE D'INJECTION DE CARBURANT POUR MOTEURS A COMBUSTION INTERNE

Publication
EP 1000240 B1 20040324 (DE)

Application
EP 99936348 A 19990528

Priority
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Abstract (en)
[origin: WO9961779A1] An actuator (100) is actively connected to a closing member (370) by means of a tappet (200), whereby the closing member (370) is located in a valve chamber (345). Said member and a valve seat (350) extending conically as part of a servo valve (340) form a seal resistant to high pressures. The cross section of the closing member (370) has a mushroom-shaped embodiment, whereby the closing head has a semispherical shape and a central flattened area enabling the tappet (200) to have an enlarged bearing area. The butt of the closing member is surrounded by a valve spring (390). The closing member (370) is preferably formed from a solid sphere.

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