

Title (en)
BUTTERFLY VALVE BODY COMPRISING A THROTTLE VALVE PROVIDED WITH A COUNTERBORE

Title (de)
DROSSELKÖRPER VERSEHEN MIT EINER PLANSENKUNG

Title (fr)
CORPS PAPILLON POSSEDANT UN PAPILLON MUNI D'UN LAMAGE

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Application
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Abstract (en)
[origin: WO0134958A1] The invention concerns a butterfly valve body (1) for an internal combustion engine fuel injection device comprising a housing (2) wherein is arranged a conduit (3). A disc-shaped throttle valve (6) pivots in said conduit which it divides into an upstream part (8) and a downstream part (9). The throttle valve has an upper wing (12) facing upstream and a lower wing (13) facing downstream. A sunk relief (21) is arranged in the downstream surface (16) of a portion (20) of the upper wing (12) of the throttle which is subjected to the maximum gas speed, the sunk relief (21) emerges radially into the peripheral side surface of the throttle (6) being defined by surfaces (25, 26, 27) whereof the intersections with the downstream surface (16) are sharp edges (25a, 26a, 27a).

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