

Title (en)

INJECTION VALVE COMPRISING AN OPTIMIZED SURFACE GEOMETRY BETWEEN A NOZZLE BODY AND A RETAINING NUT

Title (de)

EINSPRITZVENTIL MIT OPTIMIERTER FLÄCHENGEOMETRIE ZWISCHEN EINEM DÜSENKÖRPER UND EINER SPANNMUTTER

Title (fr)

SOUPAPE D'INJECTION PRESENTANT UNE GEOMETRIE DES SURFACES OPTIMISEES ENTRE UN CORPS DE BUSE ET UN ECROU DE SERRAGE

Publication

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Application

EP 01933597 A 20010411

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Abstract (en)

[origin: WO0179689A2] The invention relates to an injection valve comprising a housing, a retaining nut and a nozzle body, said retaining nut prestressing the nozzle body against the housing. The surface mating between the retaining nut and the nozzle body is optimized in such a way that an intense prestressing force is exerted on the nozzle body without damaging the retaining nut. At the same time, the prestressing force optimizes the support of the pressure chamber in such a way that a nozzle body which is resistant to high-pressure is provided.
[origin: WO0179689A2] The invention relates to an injection valve comprising a housing (2), a retaining nut (1) and a nozzle body (3), said retaining nut prestressing the nozzle body against the housing (2). The surface mating (9, 10) between the retaining nut (1) and the nozzle body (3) is optimized in such a way that an intense prestressing force is exerted on the nozzle body without damaging the retaining nut. At the same time, the prestressing force optimizes the support of the pressure chamber (5) in such a way that a nozzle body which is resistant to high-pressure is provided.

IPC 8 full level

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