

Title (en)

FUEL-INJECTION VALVE AND METHOD FOR PRODUCING A VALVE NEEDLE OF A FUEL-INJECTION VALVE

Title (de)

BRENNSTOFFEINSPRITZVENTIL UND VERFAHREN ZUR HERSTELLUNG EINER VENTILNADEL EINES BRENNSTOFFEINSPRITZVENTILS

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT ET PROCEDE DE PRODUCTION D'UN POINTEAU D'UNE TELLE SOUPAPE

Publication

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Application

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Priority

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- DE 19712589 A 19970326

Abstract (en)

[origin: DE19712589C1] The invention relates to a fuel-injection valve which has an axially moving valve needle (12), said valve needle comprising at least at least one closing element support (17) and one spherical valve-closing element (18). The closing element support (17) accommodates the valve-closing element (18) in a lower recess (38), an end area (37) of said closing element support (17) encompassing the valve-closing element (18) in the downstream direction beyond an equator (52) of said valve-closing element (18). The fixed connection between the valve-closing element (18) and the closing element support (17) is achieved by means of bordering. The fuel-injection valve is particularly suitable for use in fuel-injection systems of mixture-compression internal combustion engines with externally supplied ignition.

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CPC (source: EP US)

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