

Title (en)

FUEL-INJECTION VALVE AND PROCESS FOR ITS MANUFACTURE.

Title (de)

EINSPRITZVENTIL UND VERFAHREN ZUR HERSTELLUNG EINES EINSPRITZVENTILS.

Title (fr)

INJECTEUR ET PROCEDE POUR LA FABRICATION D'UN INJECTEUR.

Publication

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Application

**EP 91912689 A 19910717**

Priority

- DE 9100589 W 19910717
- DE 4026721 A 19900824

Abstract (en)

[origin: WO9203653A1] In prior art fuel-injection valves, the valve-needle stroke can be adjusted for example by grinding down one end of the valve-nozzle body or by varying the penetration depth of the valve-seat body inserted in a longitudinal aperture in the valve-seat support and subsequently rigidly secured to the valve-seat support. This method of adjustment is not possible with assembled valves however. If the valve-seat body is pressed into the longitudinal aperture, there is a danger of clip formation. In the new fuel-injection valve, a valve assembly comprising the valve-seat body (18) and the perforated body (22) joined to it is inserted in the longitudinal aperture (3) in the valve-seat support (1) and rigidly secured to it, the depth of insertion determining the initial setting of the valve-needle stroke. Exact adjustment of the needle stroke can be done with the assembled valve by bending the part of the valve located between the points of attachment (24, 30) of the perforated body (22) to the valve-seat support. The fuel-injection valve proposed and the method for its manufacture are particularly suitable for use in fuel-injection systems in mixture compressing spark ignition engines.

IPC 1-7

**F02M 61/18**

IPC 8 full level

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CPC (source: EP KR US)

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Cited by

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