

Title (en)

NOZZLE BODY, NOZZLE ASSEMBLY AND FUEL INJECTOR, AND METHOD FOR PRODUCING A NOZZLE BODY

Title (de)

DÜSENKÖRPER, DÜSENBAUGRUPPE UND KRAFTSTOFFINJEKTOR, SOWIE VERFAHREN ZUM HERSTELLEN EINES DÜSENKÖRPERS

Title (fr)

CORPS DE BUSE, ENSEMBLE BUSE ET INJECTEUR DE CARBURANT, ET PROCÉDÉ DE FABRICATION D'UN CORPS DE BUSE

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Application

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Abstract (en)

[origin: WO2010023016A1] The invention relates to a nozzle body (20) for a nozzle assembly (2) of a fuel injector (1), particularly of a common-rail-fuel injector (1), with a needle bore (26, 22) for a needle piston (36) of a nozzle needle (30), wherein the needle bore (26) ends in a blind hole (266) above a nozzle needle seat (262) for a sealing surface (362) of a nozzle needle tip (360) of the nozzle needle (30), into said blind hole a tappet (366) of the nozzle needle tip (360) can be inserted, wherein a recess (264) is provided in a transitional region (202) from the nozzle needle seat (262) to the blind hole (266). The invention further relates to a method for introducing a nozzle bore (22) into a nozzle body (20) of a fuel injector (1), particularly of a common-rail-fuel injector (1).

IPC 8 full level

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Citation (search report)

See references of WO 2010023016A1

Citation (examination)

- DE 10344584 A1 20050428 - BOSCH GMBH ROBERT [DE]
- JP S6019957 A 19850201 - JAPAN ELECTRONIC CONTROL SYST
- DE 10038098 A1 20020214 - BOSCH GMBH ROBERT [DE]

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