

Title (en)
INJECTION NOZZLE FOR INTERNAL COMBUSTION ENGINES

Title (de)
EINSPRITZDÜSE FÜR BRENNKRAFTMASCHINEN

Title (fr)
INJECTEUR POUR MOTEURS A COMBUSTION INTERNE

Publication
EP 0698182 A1 19960228 (DE)

Application
EP 95910416 A 19950225

Priority
• DE 9500245 W 19950225
• DE 4408245 A 19940311

Abstract (en)
[origin: DE4408245A1] A fuel injection-nozzle for internal combustion engines has a nozzle body (11) tightly secured in a nozzle-holder (14) by an intermediate washer (12). A valve needle (15) is pressed by the force of a closure spring (27) against a valve seat (16) in the nozzle body (11). The closure spring is designed as a helical compression spring mounted in a blind hole (28) in the nozzle-holder. An arrangement (30) for transmitting pressure between the closure spring and the valve needle (15) consists of a flat cylindrical spring plate (32) with flat parallel faces (36, 37) and of a cylindrical pressure pin (32) slidingly guided in a through hole (35) of the intermediate washer (12).

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F02M 61/20

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