

Title (en)
FUEL INJECTION NOZZLE

Title (de)
KRAFTSTOFFEINSPRITZDÜSE

Title (fr)
BUSE D'INJECTION DE CARBURANT

Publication
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Application
EP 99969475 A 19990916

Priority
• DE 9902961 W 19990916
• DE 19843616 A 19980923

Abstract (en)
[origin: DE19843616A1] The invention relates to a fuel injection nozzle for injecting fuel into the combustion chamber of an internal combustion engine. The inventive injection nozzle comprises a nozzle body (12) which has a tip (10) with a radially peripheral series of injection holes (14) and a nozzle needle (20), said nozzle needle being arranged in the nozzle body (12) in such a way that it is axially displaceable. A cone (22) on the tip of the nozzle needle (20) selectively frees and blocks the passage of fuel to the injection holes (14). The nozzle body (12) of the injection nozzle has a cylindrical recess (30) inside the tip (10) in the area of the injection holes (14).

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IPC 8 full level
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CPC (source: EP)
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DE 19843616 A1 20000330; **DE 19843616 B4 20060706**; DE 59903588 D1 20030109; EP 1117928 A1 20010725; EP 1117928 B1 20021127;
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