

Title (en)  
INJECTION NOZZLE

Title (de)  
EINSPRITZDÜSE

Title (fr)  
BUSE D'INJECTION

Publication  
**EP 1171708 A1 20020116 (DE)**

Application  
**EP 01913560 A 20010202**

Priority  
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Abstract (en)  
[origin: US6691935B1] In an injection nozzle for a fuel injection system, the opening stroke of the nozzle needle is to be limited selectively, so that different injection cross sections can be employed. To that end, the injection nozzle is provided with a nozzle body, a nozzle needle displaceable in the nozzle body, two groups of injection ports, which are uncovered as a function of an opening stroke of the nozzle needle, a piston that is connected to the nozzle needle, a stop chamber in which the piston is disposed and which is provided with an outlet, and a control valve that can open and close the outlet of the stop chamber, as a result of which the stroke of the piston in the stop chamber and thus the opening stroke of the nozzle needle can be selectively limited.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP US)  
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See references of WO 0159293A1

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