

Title (en)  
FUEL INJECTION NOZZLE FOR INTERNAL-COMBUSTION ENGINES

Publication  
**EP 0106183 B1 19870128 (DE)**

Application  
**EP 83109226 A 19830917**

Priority  
DE 3237932 A 19821013

Abstract (en)  
[origin: US4548356A] A fuel injection nozzle for internal combustion engines having a filter body inserted into the fuel inflow conduit, an injection valve and a check valve, which maintains a static pressure in the injection nozzle and can also perform a relief function for the prevention of after-injections. The check valve is integrated into the filter body thereby simplifying the final assembly of the injection nozzle. The filter body is advantageously embodied as a rod-type filter, which by the appropriate shaping of its jacket periphery forms gap-like spaces between itself and the surrounding wall of the nozzle holder through which spaces the fuel must pass such that it is deflected multiple times.

IPC 1-7  
**F02M 55/02**; **F02M 61/04**; **F02M 61/16**

IPC 8 full level  
**F02M 61/10** (2006.01); **F02M 55/02** (2006.01); **F02M 59/46** (2006.01); **F02M 61/04** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)  
**F02M 59/462** (2013.01 - EP US); **F02M 61/165** (2013.01 - EP US)

Citation (examination)  
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• EP 0064146 A1 19821110 - KLOECKNER HUMBOLDT DEUTZ AG [DE]  
• DE 2311966 A1 19730920 - SPERRY RAND LTD  
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• DE 1266725 B 19680425 - ROLLS ROYCE

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DE FR GB IT

DOCDB simple family (publication)  
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