

Title (en)

NOZZLE BODY FOR A FUEL INJECTOR

Title (de)

DÜSENKÖRPER FÜR EINEN KRAFTSTOFFINJEKTOR

Title (fr)

CORPS D'INJECTEUR POUR UN INJECTEUR DE CARBURANT

Publication

EP 3475555 A1 20190501 (DE)

Application

EP 17731874 A 20170620

Priority

- DE 102016211477 A 20160627
- EP 2017065128 W 20170620

Abstract (en)

[origin: WO2018001797A1] The invention relates to a nozzle body (16), in particular in use in a fuel injector (100) for injecting fuel into the combustion chamber of an internal combustion engine. The nozzle body (16) is made in one piece. The nozzle body (16) comprises a pressure chamber (8) which can be supplied, via a supply bore (64), with high-pressure fuel. A nozzle needle (6), which opens or closes at least one injection opening (60), is arranged in the pressure chamber (8) so as to be able to move longitudinally. The at least one injection opening (60) is formed in a nozzle tip (16a) of the nozzle body (16). Cooling channels (30), through which coolant can be made to flow, are formed in the nozzle body (16). The cooling channels (30) include a cooling matrix (35) formed in the nozzle tip (16a).

IPC 8 full level

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CPC (source: EP KR)

B21K 21/08 (2013.01 - KR); **F02M 53/043** (2013.01 - EP KR); **F02M 61/1866** (2013.01 - KR); **F02M 2700/077** (2013.01 - KR)

Citation (search report)

See references of WO 2018001797A1

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