

Title (en)
Fuel injection apparatus

Title (de)
Brennstoffeinspritzvorrichtung

Title (fr)
Dispositif d'injection de combustible

Publication
EP 0704620 B1 19990210 (DE)

Application
EP 95114025 A 19950907

Priority
DE 4435270 A 19941001

Abstract (en)
[origin: EP0704620A2] The fuel injection device atomisation grid (32) has an atomising structure (36) which has at least partial cross-sectional variations in an axial direction. The structure contains through flow areas (38) with cross-sectional surfaces running crossways to the valve longitudinal axis (2). The cross-sectional surfaces at least partly alter in an axial direction. The atomisation structure in an axial direction has at least partly a triangular cross-section. It is formed with an even surface running vertically to the valve longitudinal axis and facing the valve closure body (7), having limiting atomisation edges. A triangular point is turned away from the valve closure body.

IPC 1-7
F02M 61/18; **F02M 51/06**; **F02M 69/08**

IPC 8 full level
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CPC (source: EP US)
F02M 51/061 (2013.01 - EP US); **F02M 61/1853** (2013.01 - EP US); **F02M 69/08** (2013.01 - EP US)

Cited by
KR100853642B1; US7014129B2; WO2009118623A1; WO9720659A1; WO2008068104A1; WO03001053A1; EP3296554A1; WO2018050731A1; EP3710682B1

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