

Title (en)

Fuel injection valve

Title (de)

Brennstoffeinspritzventil

Title (fr)

Injecteur de carburant

Publication

EP 1350947 A3 20040512 (DE)

Application

EP 03001838 A 20030129

Priority

DE 10214904 A 20020404

Abstract (en)

[origin: EP1350947A2] The tip of the valve plug is guided. Guide profiles are formed by the plug body (4) guide section (38) and a guide component (37). At least one flow channel (36) is incorporated. This forms a partial fuel supply line to the swirl chamber (35), bypassing the swirl unit (42).

IPC 1-7

F02M 61/16; **F02M 61/12**; **F02M 51/06**; **F02M 61/18**; **F02M 61/04**

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01); **F02M 61/18** (2006.01)

CPC (source: EP)

F02M 51/0671 (2013.01); **F02M 51/0678** (2013.01); **F02M 61/12** (2013.01); **F02M 61/162** (2013.01); **F02M 61/1806** (2013.01)

Citation (search report)

- [PX] WO 0250428 A1 20020627 - BOSCH GMBH ROBERT [DE], et al
- [PA] WO 0244550 A1 20020606 - BOSCH GMBH ROBERT [DE], et al
- [A] US 5163621 A 19921117 - KATO MASAOKI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 009, no. 307 (M - 435) 4 December 1985 (1985-12-04)

Cited by

EP1541862A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)

EP 1350947 A2 20031008; **EP 1350947 A3 20040512**; **EP 1350947 B1 20060111**; DE 10214904 A1 20031016; DE 50302146 D1 20060406

DOCDB simple family (application)

EP 03001838 A 20030129; DE 10214904 A 20020404; DE 50302146 T 20030129