

Title (en)

METHOD FOR PRODUCTION OF A FUEL INJECTION VALVE AND FUEL INJECTION VALVE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES BRENNSTOFFEINSPRITZVENTILS UND BRENNSTOFFEINSPRITZVENTIL

Title (fr)

PROCEDE DE PRODUCTION D'UNE SOUPAPE D'INJECTION DE CARBURANT, ET SOUPAPE D'INJECTION DE CARBURANT

Publication

EP 1706634 B1 20090826 (DE)

Application

EP 04801921 A 20041110

Priority

- EP 2004052904 W 20041110
- DE 10360774 A 20031223

Abstract (en)

[origin: WO2005064148A1] The invention relates to a fuel injection valve with a valve longitudinal axis (10), a fuel inlet nozzle (41), a valve closing body which moves axially along the valve longitudinal axis (10) and cooperates with a valve seat, provided on a valve seat body and at least one spray opening, downstream of the valve seat. The fuel inlet nozzle (41), made from a thin-walled tube (44), runs, starting at an inlet opening (60), with an upstream section (62) at an angle (A) to the valve longitudinal axis (10) which is larger than 0 DEG and less than or equal to 90 DEG . The fuel inlet nozzle (41) finally terminates at the downstream section (63) thereof on the valve longitudinal axis (10). The fuel injection valve is particularly suitable for application in fuel injection units in mixture-compressing, spark-ignited, internal combustion engines.

IPC 8 full level

F02M 51/06 (2006.01); **F02M 61/16** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP)

F02M 51/0664 (2013.01); **F02M 61/166** (2013.01); **F02M 61/168** (2013.01); **F02M 2200/315** (2013.01); **F02M 2200/505** (2013.01); **F02M 2200/9015** (2013.01)

Designated contracting state (EPC)

DE FR IT

DOCDB simple family (publication)

WO 2005064148 A1 20050714; BR PI0406513 A 20051220; CN 100449141 C 20090107; CN 1898467 A 20070117; DE 10360774 A1 20050728; DE 502004009983 D1 20091008; EP 1706634 A1 20061004; EP 1706634 B1 20090826; JP 2006510852 A 20060330; JP 4096008 B2 20080604

DOCDB simple family (application)

EP 2004052904 W 20041110; BR PI0406513 A 20041110; CN 200480038494 A 20041110; DE 10360774 A 20031223; DE 502004009983 T 20041110; EP 04801921 A 20041110; JP 2005518317 A 20041110