

Title (en)

FUEL INJECTION VALVE FOR HIGH-PRESSURE INJECTION WITH IMPROVED FUEL SUPPLY CONTROL

Title (de)

KRAFTSTOFF-EINSPRITZVENTIL FÜR HOCHDRUCK-EINSPRITZUNG MIT VERBESSERTER STEUERUNG DER KRAFTSTOFFZUFUHR

Title (fr)

SOUPAPE D'INJECTION DE CARBURANT POUR INJECTION HAUTE PRESSION AVEC COMMANDE AMELIOREE DE L'AMENEE DE CARBURANT

Publication

**EP 1030966 B1 20031112 (DE)**

Application

**EP 99938131 A 19990605**

Priority

- DE 9901649 W 19990605
- DE 19827267 A 19980618

Abstract (en)

[origin: DE19827267A1] The invention relates to a fuel injection valve for high-pressure fuel injection from a high-pressure storage tank to a combustion chamber of an internal combustion engine, more particularly, a diesel engine. The fuel injection valve has a solenoid valve serving to lower (injecting position) or to build up (closing position) fuel pressure in a control chamber (3) by means of a throttle (4) having at least one throttle channel segment (5) defined by channel walls. According to the invention, the throttle channel segment (5) is essentially embodied in the shape of or as a throttle orifice.

IPC 1-7

**F02M 47/02**

IPC 8 full level

**F02M 47/00** (2006.01); **F02M 47/02** (2006.01)

CPC (source: EP KR US)

**F02M 47/02** (2013.01 - KR); **F02M 47/027** (2013.01 - EP US); **F02M 2200/28** (2013.01 - EP US); **F02M 2547/003** (2013.01 - EP US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**DE 19827267 A1 19991223**; DE 59907711 D1 20031218; EP 1030966 A1 20000830; EP 1030966 B1 20031112; JP 2002518628 A 20020625; KR 20010022998 A 20010326; US 6371084 B1 20020416; WO 9966191 A1 19991223

DOCDB simple family (application)

**DE 19827267 A 19980618**; DE 59907711 T 19990605; DE 9901649 W 19990605; EP 99938131 A 19990605; JP 2000554980 A 19990605; KR 20007001606 A 20000217; US 48600000 A 20000515