

Title (en)

Fuel injection valve

Title (de)

Brennstoffeinspritzventil

Title (fr)

Soupape d'injection de combustible

Publication

EP 1195516 B1 20060607 (DE)

Application

EP 01123836 A 20011005

Priority

DE 10049519 A 20001006

Abstract (en)

[origin: EP1195516A2] The valve has a valve needle guide (31), connected to a valve seat body (5) and containing fuel channels (35). The channels are positioned in several peripheral rows. Number and relative position of the channels have been chosen, so that a characteristic line is adjusted, which represents a dynamic fuel flow through the injection valve dependent upon a valve needle stroke. The needle guide is formed on the intake-sided end face (32) of the valve seat body. This is a hollow cylinder and extends from that end face.

IPC 8 full level

F02M 61/10 (2006.01); **F02M 61/18** (2006.01); **F02M 45/12** (2006.01); **F02M 51/06** (2006.01); **F02M 51/08** (2006.01); **F02M 61/04** (2006.01); **F02M 61/12** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

F02M 45/12 (2013.01); **F02M 51/0671** (2013.01); **F02M 61/162** (2013.01); **F02M 61/18** (2013.01); **F02M 61/188** (2013.01)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1195516 A2 20020410; **EP 1195516 A3 20040102**; **EP 1195516 B1 20060607**; DE 10049519 A1 20020418; DE 10049519 B4 20060112; DE 50110018 D1 20060720; JP 2002155834 A 20020531

DOCDB simple family (application)

EP 01123836 A 20011005; DE 10049519 A 20001006; DE 50110018 T 20011005; JP 2001312032 A 20011009