

Title (en)

Injector for fuel injection in an internal combustion engine

Title (de)

Einspritzventil zur Kraftstoffeinspritzung in einer Verbrennungskraftmaschine

Title (fr)

Injecteur de combustible pour un moteur à combustion interne

Publication

EP 1043496 B1 20040908 (DE)

Application

EP 00107265 A 20000403

Priority

DE 19915685 A 19990407

Abstract (en)

[origin: EP1043496A2] The valve has a mounting body (20) contg. a first channel (30), a nozzle body (40) for an injection nozzle (16), that has a second channel (54) connected to the first channel to form a fuel feed to the nozzle and that is attached to the mounting body, closure mechanism (60) for the injection nozzle and a sealing arrangement (74) for the joint between the channels in the form of bush protruding at least into the first channel of the mounting body or the second channel of the nozzle body. An Independent claim is also included for a sealing arrangement for the joint between two channels in a valve.

IPC 1-7

F02M 55/00; **F02M 61/16**; **F16J 15/02**

IPC 8 full level

F02M 61/16 (2006.01); **F02M 47/02** (2006.01); **F02M 55/00** (2006.01); **F02M 61/10** (2006.01); **F02M 61/12** (2006.01); **F16J 15/02** (2006.01)

CPC (source: EP)

F02M 47/027 (2013.01); **F02M 55/005** (2013.01)

Citation (examination)

DE 19729788 A1 19990114 - BOSCH GMBH ROBERT [DE]

Cited by

DE102004022428A1; EP2799705A1; US7475829B2; US7475674B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1043496 A2 20001011; **EP 1043496 A3 20030521**; **EP 1043496 B1 20040908**; DE 19915685 A1 20001012; DE 50007652 D1 20041014; JP 2000314356 A 20001114; JP 3305696 B2 20020724

DOCDB simple family (application)

EP 00107265 A 20000403; DE 19915685 A 19990407; DE 50007652 T 20000403; JP 2000106587 A 20000407