

Title (en)

High pressure fuel system for combustion engines

Title (de)

Kraftstoffhochdrucksystem für Brennkraftmaschinen

Title (fr)

Système à haute pression de carburant pour un moteur à combustion

Publication

**EP 1225328 A3 20040107 (DE)**

Application

**EP 01130777 A 20011222**

Priority

DE 10102233 A 20010119

Abstract (en)

[origin: EP1225328A2] The high pressure fuel system, for an internal combustion motor, has at least two high pressure bodies (1,3) pressed together at their facing surfaces (10,12). A high pressure fuel channel (17) at the bodies, passes between their facing surfaces. One surface carries a ring step (5) around the fuel passage, with a sealing surface (15) at the end side at the other surface. At least one flank (7,9) of the ring step is at an angle (  $\alpha$  ) of  $\geq 0$  degrees to the normal of the sealing surface, to reduce the notch tension for increased stability.

IPC 1-7

**F02M 61/16**; **F02M 59/44**; **F02M 55/00**

IPC 8 full level

**F02M 55/00** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

**F02M 55/005** (2013.01); **F02M 61/16** (2013.01); **F02M 2200/16** (2013.01); **F02M 2200/8069** (2013.01)

Citation (search report)

- [Y] DE 1004002 B 19570307 - GERHARD BILEK
- [A] DE 952482 C 19561115 - GERHARD BILEK
- [A] CH 389344 A 19650315 - DILO GES DREXLER & CO [DE]
- [A] US 6123339 A 20000926 - OTSUJI HIROSHI [JP], et al
- [DY] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 02 28 February 1997 (1997-02-28)

Cited by

EP1236886A3; EP1340907A3; EP1820957A3; DE102006000035B4; US7415920B2; WO2005113977A1; WO2008104421A1; WO2004055358A1; WO2005119046A1; WO2005119047A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**EP 1225328 A2 20020724**; **EP 1225328 A3 20040107**; DE 10102233 A1 20020725

DOCDB simple family (application)

**EP 01130777 A 20011222**; DE 10102233 A 20010119