

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 (α) of ≥ 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)

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- [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)

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