

Title (en)

Fuel supply line arrangement for an injection nozzle

Title (de)

Kraftstoffzuleitungseinrichtung für eine Einspritzdüse

Title (fr)

Arrangement d'alimentation en combustible pour un injecteur

Publication

**EP 0569727 B1 19951213 (DE)**

Application

**EP 93106120 A 19930415**

Priority

DE 9206268 U 19920509

Abstract (en)

[origin: EP0569727A1] The fuel feed line arrangement for a fuel injection nozzle (12) inserted in the cylinder head (10) of an internal combustion engine has a pipe union (20), which passes through the cylinder head (10) of the internal combustion engine transversely to the injection nozzle (12) and is clamped with its outlet end (29) against a lateral seating face (16) on the injection nozzle (12) by means of a retaining screw (27). In order to ensure ease of assembly when the injection nozzle (12) is misaligned, the pipe union (20) has a spherical taper (29) on its outlet end and a spherical shoulder (26) in the middle area, against which the hollow retaining screw (27) presses. The admission-side end section (22) of the pipe union (20) projects beyond the retaining screw (27) and the cylinder head (10) and has an external thread (31) on to which a union nut (32) is screwed pressing the feed pipe (35) with a tapered connection piece (34) against the pipe union (20). <IMAGE>

IPC 1-7

**F02M 55/02**

IPC 8 full level

**F02M 55/00** (2006.01); **F02M 55/02** (2006.01); **F02M 61/14** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP)

**F02M 55/005** (2013.01); **F02M 55/02** (2013.01); **F02M 61/14** (2013.01); **F02M 61/165** (2013.01)

Cited by

WO9900594A1; WO9928617A1; EP1985841A1; US6176221B1; EP0937892A3; US5775303A; CN103180598A; EP1241348A3; CN107921334A; US5617828A; EP0974749A3; CN103807525A; GB2310891A; FR2745851A1; GB2310891B; FR2698408A1; US6279540B1; US11433338B2; US6234413B1; DE19543506A1; DE19543506C2; EP2354529A1; EP1001162A3; WO2017007709A1; US8640673B2; EP2060775A2; EP2060776A1; DE102009029116A1; WO2011026689A1; US8272368B2; WO2012059270A1; WO2005035970A1; WO0026529A1

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