

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

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

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