Title (en)

CONNECTION BY MEANS OF A RETAINING CLIP OF TWO ELEMENTS OF A FUEL SUPPLY SYSTEM OF AN INTERNAL COMBUSTION ENGINE THAT ARE COAXIALLY DISPOSED ONE BEHIND THE OTHER

Title (de)

VERBINDUNG ZWEIER KOAXIAL HINTEREINANDER ANGEORDNETER ELEMENTE EINER KRAFTSTOFFVERSORGUNGSANLAGE EINER BRENNKRAFTMASCHINE DURCH EINE HALTEKLAMMER

Title (fr)

RACCORDEMENT DE DEUX ELEMENTS MONTES L'UN DERRIERE L'AUTRE COAXIALEMENT DU SYSTEME D'ALIMENTATION EN CARBURANT D'UN MOTEUR A COMBUSTION INTERNE PAR L'INTERMEDIAIRE D'UN ETRIER DE RETENUE

Publication

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Application

EP 02729786 A 20020313

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Abstract (en)

[origin: WO02073025A1] The invention relates to the connection of two elements of a fuel supply system of an internal combustion engine that are coaxially disposed one behind the other. The inventive connection is characterized in that the first element is preferably a receiving sleeve (3) of a fuel distributor line (1) with a guide opening and the second element is configured as a pressure balance valve (8) or pressure damper and can be inserted with a guide section (19) in the guide opening (18) of the receiving sleeve (3). Said receiving sleeve comprises two opposite retaining openings (31), disposed opposite in a wall (30) and aligned with respect to each other and to a retaining groove (37) in the pressure balance valve (8). The receiving sleeve extends with its legs (34) through a U-shaped retaining clip (32), thereby fixing the position of the receiving sleeve (3) relative to the pressure balance valve (8) which are provided with sections from stainless steel at least in the area of the retaining clip (32). Alternatively, the first element can be an injection valve that is inserted with its one end in a plug-in connection (2) of the fuel distributor line (1) configuring the second element and that is fixed therein by means of a securing clip. The injection valve and the plug-in connection (2), at least in the area of the retaining clip, have sections from stainless steel. According to the invention, the retaining clip (32) is formed by a spring wire and the securing clip formed by a stainless spring band steel in order to avoid contact corrosion.

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F02M 55/00; F02M 69/46

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