

Title (en)
COMPONENT, IN PARTICULAR FUEL LINE OR FUEL DISTRIBUTOR, AND FUEL INJECTION SYSTEM

Title (de)
KOMPONENTE, INSBESONDERE BRENNSTOFFLEITUNG ODER BRENNSTOFFVERTEILER, UND BRENNSTOFFEINSPRITZANLAGE

Title (fr)
COMPOSANT, EN PARTICULIER CONDUIT DE CARBURANT OU DISTRIBUTEUR DE CARBURANT, ET INSTALLATION D'INJECTION DE CARBURANT

Publication
EP 3891378 A1 20211013 (DE)

Application
EP 19783516 A 20191007

Priority
• DE 102018221198 A 20181207
• EP 2019077004 W 20191007

Abstract (en)
[origin: WO2020114650A1] A component (3) which can be designed as a fuel line (5) or fuel distributor (2) serves for a fuel injection system (1) which serves for injecting fuel or a mixture of fuel and water with a changeable portion of water. The component (3) has a main body (14; 60) on which a high-pressure input (15; 63) and at least one high-pressure output (16 - 19; 64) are provided, wherein the fuel or the mixture can be conducted from the high-pressure input (15; 63) through an interior (24; 65) of the main body (14; 60) to the at least one high-pressure output (16 - 19; 64), and wherein an insert (25) is arranged in the interior (24; 65). The insert (25) is at least partially formed from at least one material which has a bulk modulus (K) which is predefined so as to at least substantially correspond to or to be lower than a bulk modulus of the fuel or of the mixture and/or to be smaller than 30 GPa.

IPC 8 full level
F02M 43/00 (2006.01); **F02M 55/02** (2006.01); **F02M 61/16** (2006.01)

CPC (source: EP US)
F02M 25/0221 (2013.01 - EP); **F02M 25/0228** (2013.01 - EP US); **F02M 43/00** (2013.01 - EP); **F02M 43/04** (2013.01 - US); **F02M 55/02** (2013.01 - EP); **F02M 55/025** (2013.01 - EP US); **F02M 55/04** (2013.01 - EP); **F02M 61/16** (2013.01 - EP); **F02M 61/166** (2013.01 - EP); **F02M 61/166** (2013.01 - US); **F02M 2200/315** (2013.01 - EP); **F02M 2200/856** (2013.01 - US); **F02M 2200/9015** (2013.01 - US); **Y02T 10/12** (2013.01 - EP)

Citation (search report)
See references of WO 2020114650A1

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Designated extension state (EPC)
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