

Title (en)

Fuel rail assembly for an internal combustion engine and method for producing the same

Title (de)

Kraftstoffleistenvorrichtung für einen Verbrennungsmotor und Verfahren zu ihrer Herstellung

Title (fr)

Ensemble de rail de carburant pour moteur à combustion interne et son procédé de production

Publication

EP 2910768 A1 20150826 (EN)

Application

EP 14156573 A 20140225

Priority

EP 14156573 A 20140225

Abstract (en)

A fuel rail assembly (3) for an internal combustion engine (1) is disclosed. It comprises an elongated fuel rail (31), a plurality of injector cups (47) for hydraulically coupling the fuel rail assembly (3) to respective fuel injectors (7) and a pipe (41) assigned to each injector cup (47) for hydraulically coupling the respective injector cup (47) to the fuel rail (31). Each pipe (41) comprises an upper tube (43) and a lower tube (45). A fixation bracket (49) is assigned to each pipe (41) which is configured for positionally fixing the fuel rail assembly (3) with respect to the combustion engine (1) and is rigidly connected to the respective lower tube (45). A rigid connection (51) is established between a downstream end section (433) of the upper tube (43) and an upstream end section (451) of the lower tube (45). The downstream end section (433) of the upper tube (43) and the upstream end section (451) of the lower tube (45) are in engagement with one another in such fashion that, absent the rigid connection (51), the upper tube (43) and the lower tube (45) are rotatable with respect to one another around a predetermined rotational axis (R). Further, a method for producing the fuel rail assembly (3) is disclosed.

IPC 8 full level

F02M 55/02 (2006.01); **F02M 55/00** (2006.01)

CPC (source: EP)

F02M 55/02 (2013.01); **F02M 55/025** (2013.01); **F02M 55/005** (2013.01); **F02M 2200/8084** (2013.01); **F02M 2200/856** (2013.01); **F02M 2200/857** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2910768 A1 20150826

DOCDB simple family (application)

EP 14156573 A 20140225