

Title (en)  
FUEL RAIL AND FUEL RAIL ASSEMBLY

Title (de)  
KRAFTSTOFFVERTEILER UND KRAFTSTOFFVERTEILERANORDNUNG

Title (fr)  
RAMPE À CARBURANT ET ENSEMBLE RAMPE DE CARBURANT

Publication  
**EP 3232046 A1 20171018 (EN)**

Application  
**EP 16164823 A 20160412**

Priority  
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Abstract (en)  
A fuel rail (10) and a fuel rail assembly (1) comprising the fuel rail (10) are disclosed. The fuel rail assembly (1) comprises the fuel rail (10) and a plurality of adapter pieces (20) for hydraulically connecting fuel injectors (60) to the fuel rail (10). The adapter pieces (20) are brazed and/or welded to the fuel rail (10). The fuel rail (10) comprises a one-piece, integrally formed tube (100) having a plurality of openings (120), each opening (120) perforating a circumferential sidewall (110) of the tube (100) and being configured for hydraulically coupling the fuel rail (10) to one of the adapter pieces (20). An external circumferential surface (112) of the sidewall (110) comprises a plurality of planar surface regions (114), each planar surface region (114) extending completely circumferentially around one of the openings (120) and being configured for being in a full area contact with the respective adapter piece (20).

IPC 8 full level  
**F02M 55/02** (2006.01)

CPC (source: EP)  
**F02M 55/025** (2013.01); **F02M 2200/8084** (2013.01)

Citation (applicant)  
EP 2466111 B1 20141112 - KEFICO CORP [KR]

Citation (search report)  
• [X] JP 2006336490 A 20061214 - USUI KOKUSAI SANGYO KK  
• [X] EP 2728160 A1 20140507 - OTICS CORP [JP]  
• [X] JP 2011247132 A 20111208 - MARUYASU & CO LTD  
• [X] EP 1550805 A1 20050706 - USUI KOKUSAI SANGYO KK [JP]  
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Cited by  
US2020032750A1; US11008989B2; EP3670895A1; WO2020127880A1

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