

Title (en)

A FUEL RAIL ASSEMBLY FOR A FUEL INJECTION SYSTEM FOR AN INTERNAL COMBUSTION ENGINE

Title (de)

KRAFTSTOFFLEISTENANORDNUNG FÜR EIN KRAFTSTOFFEINSPRITZSYSTEM FÜR EINE BRENNKRAFTMASCHINE

Title (fr)

ENSEMBLE RAMPE DE CARBURANT POUR UN SYSTÈME D'INJECTION DE CARBURANT D'UN MOTEUR À COMBUSTION INTERNE

Publication

EP 3470663 A1 20190417 (EN)

Application

EP 17196196 A 20171012

Priority

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Abstract (en)

A fuel rail assembly for a fuel injection system for an internal combustion engine comprises an elongate fuel rail having a fuel inlet and a plurality of fuel outlets spaced along the fuel rail. Each outlet has a fuel adapter bonded thereto to provide a hydraulic communication with a fuel injector cup adapted to receive a fuel injector for injecting fuel into the engine. The fuel adapter has a variable material thickness, the thickness being adapted to the characteristics of the fuel rail and the communication to the fuel injector cup in order, in use, to equalise substantially the stresses applied to these components, and the bond therebetween.

IPC 8 full level

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Citation (applicant)

- EP 2466111 A2 20120620 - KEFICO CORP [KR]
- US 2014326217 A1 20141106 - ROSEBORSKY STEVEN [CA], et al

Citation (search report)

- [XA] DE 102008035494 A1 20100204 - DAIMLER AG [DE]
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- [X] JP 2010133323 A 20100617 - OTICS CORP
- [X] EP 1378658 A1 20040107 - DENSO CORP [JP]
- [A] JP H1085953 A 19980407 - NIPPON STEEL CORP
- [A] WO 2010072651 A2 20100701 - DELPHI TECH INC [US], et al

Designated contracting state (EPC)

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BA ME

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