

Title (en)
THREADED FUEL RAILS

Title (de)
KRAFTSTOFFVERTEILERLEITUNGEN MIT GEWINDE

Title (fr)
RAILS DE CARBURANT FILETÉS

Publication
EP 3418550 B1 20191120 (EN)

Application
EP 17176934 A 20170620

Priority
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Abstract (en)
[origin: EP3418550A1] A fuel rail assembly for gasoline direct injection fuel delivery to an engine. The assembly has a common rail tube (10). In the tube (10) there are threaded orifices (21) extending laterally. Injector sockets (12) are adapted to mate with the threaded orifices (21). Each injector socket (12) has a proximal nipple end region (22) connected to the tube (10) and a distal end region (24) through which fuel is delivered to the engine. Screw threads (26) are disposed around the proximal nipple end region (22). The screw threads (26) include a lead thread that is received by the threaded orifices (21), thereby forming mechanical connections between the injector sockets (12) and the tube (10) that are adapted to withstand maximum pressures of fuel up to 20 Mpa (2900 psi).

IPC 8 full level
F02M 55/02 (2006.01)

CPC (source: EP)
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