

Title (en)
IMPROVED FUEL INJECTION ARCHITECTURE

Title (de)
VERBESSERTE KRAFTSTOFFEINSPRITZUNGSARCHITEKTUR

Title (fr)
ARCHITECTURE D'INJECTION DE CARBURANT AMÉLIORÉE

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Application
EP 15732771 A 20150518

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Abstract (en)
[origin: WO2015177442A1] The invention relates to a turbine engine fuel injection architecture including: two fuel injection manifolds (30A, 30B), each manifold being suitable for dispensing a fuel flow to at least one associated injector; a main fuel-proportioning device (32) suitable for proportioning a total fuel flow (Q) to be supplied to at least both injection manifolds (30A, 30B); and a distribution proportioning device (31), located between the main fuel-proportioning device (32) and the injection manifolds (30A, 30B) and suitable for distributing at least part of the total fuel flow between both manifolds. The architecture is characterized in that it also includes a bypass valve (35) suitable for discharging a flow from a first manifold (30A, 30B) to a second manifold (30B, 30A), in the event of excess fuel pressure in the first manifold. The invention also relates to a turbine engine combustion assembly including said architecture.

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