

Title (en)
ENSEMBLE COMPRISING A FUEL INJECTION SYSTEM FOR AN AIRCRAFT TURBOMACHINE COMBUSTION CHAMBER AND A FUEL INJECTOR

Title (de)
ENSEMBLE MIT EINEM KRAFTSTOFFEINSPRITZSYSTEM FÜR EINE FLUGZEUGTURBOMASCHINENBRENNKAMMER UND EINEM BRENNSTOFFINJEKTOR

Title (fr)
ENSEMBLE COMPRENANT UN SYSTÈME D'INJECTION POUR CHAMBRE DE COMBUSTION DE TURBOMACHINE D'AÉRONEF AINSI QU'UN INJECTEUR DE CARBURANT

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Abstract (en)
[origin: WO2016116700A1] The invention relates to an assembly comprising an injection system (30) and an injector (20) for an aircraft turbomachine combustion chamber (8), the system (30) comprising an aerodynamic bowl (40) comprising a first end widening toward the downstream end (42) and centred on a central axis (22) of the injection system, this also comprising a central body (46) along which a film of fuel (52) is intended to flow in the downstream direction. According to the invention, the central body (46) comprises a second end widening toward the downstream end (48), the first and second widening ends (42, 48) between them delimiting an air through duct (60) and the system (30) comprises motion inducing means (62) allowing a relative movement between the first widening end (42) which is stationary and the second widening end (48), along the central axis (22) of the injection system, by moving the central body (46) relative to the injector (20).

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