

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

Publication
EP 3247945 A1 20171129 (FR)

Application
EP 16703587 A 20160120

Priority
• FR 1550444 A 20150120
• FR 2016050107 W 20160120

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).

IPC 8 full level
F23R 3/14 (2006.01); **F23N 1/02** (2006.01); **F23R 3/30** (2006.01)

CPC (source: EP US)
F23N 1/025 (2013.01 - EP US); **F23N 1/027** (2013.01 - EP US); **F23R 3/14** (2013.01 - EP US); **F23R 3/28** (2013.01 - US); **F23R 3/30** (2013.01 - EP US); **F23D 2900/1101** (2013.01 - EP US)

Citation (search report)
See references of WO 2016116700A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
FR 3031798 A1 20160722; **FR 3031798 B1 20180810**; EP 3247945 A1 20171129; EP 3247945 B1 20181205; US 10371384 B2 20190806; US 2018010799 A1 20180111; WO 2016116700 A1 20160728

DOCDB simple family (application)
FR 1550444 A 20150120; EP 16703587 A 20160120; FR 2016050107 W 20160120; US 201615542860 A 20160120