

Title (en)

FUEL INJECTOR WITH A PURGE CIRCUIT FOR AN AIRCRAFT TURBINE ENGINE

Title (de)

KRAFTSTOFFINJEKTOR MIT EINEM SPÜLKREIS FÜR EIN FLUGZEUGTRIEBWERK

Title (fr)

INJECTEUR DE CARBURANT A CIRCUIT DE PURGE POUR UNE TURBOMACHINE D'AERONEF

Publication

**EP 4004442 A1 20220601 (FR)**

Application

**EP 20751616 A 20200716**

Priority

- FR 1908419 A 20190724
- FR 2020051274 W 20200716

Abstract (en)

[origin: WO2021014074A1] Fuel injector (110) for an aircraft turbine engine, comprising a tubular body (112) having an axis of elongation (A) and comprising a first longitudinal end (114) for supplying with fuel and a second longitudinal end (116) for ejecting a jet of fuel, said body further comprising an integrated purge-air circuit which comprises an internal cavity (122) which is connected to air inlet orifices (124) situated on the body and to at least one air outlet situated at said second end, characterized in that air-flow disruptors (150, 156) are provided, projecting into said cavity.

IPC 8 full level

**F23R 3/28** (2006.01)

CPC (source: CN EP US)

**F23R 3/14** (2013.01 - CN); **F23R 3/283** (2013.01 - CN EP US)

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)

**WO 2021014074 A1 20210128**; CA 3144907 A1 20210128; CN 114222889 A 20220322; EP 4004442 A1 20220601; FR 3099231 A1 20210129; FR 3099231 B1 20220812; US 11892166 B2 20240206; US 2022282869 A1 20220908

DOCDB simple family (application)

**FR 2020051274 W 20200716**; CA 3144907 A 20200716; CN 202080057032 A 20200716; EP 20751616 A 20200716; FR 1908419 A 20190724; US 202017628393 A 20200716