

Title (en)

Staged pilots in pure airblast injectors for gas turbine engines

Title (de)

Gestufte Pilotbrenner in reinen Drucklufteinspritzdüsen für Gasturbinenmotoren

Title (fr)

Brûleurs pilotes étagés dans des injecteurs d'air comprimé pour moteurs de turbine à gaz

Publication

EP 2592351 B1 20170412 (EN)

Application

EP 12190665 A 20121030

Priority

US 201113292258 A 20111109

Abstract (en)

[origin: EP2592351A1] An injector includes a main nozzle body defining a central axis and having a main fuel circuit. A pilot nozzle body is mounted inboard of the main nozzle body. The pilot nozzle body includes a pilot air circuit on the central axis with fuel circuitry radially outboard of the pilot air circuit for delivering fuel to a fuel outlet in a downstream portion of the pilot nozzle body. The fuel circuitry includes a primary pilot fuel circuit configured and adapted to deliver fuel to the fuel outlet and a secondary pilot fuel circuit configured and adapted to deliver fuel to the same fuel outlet.

IPC 8 full level

F23R 3/34 (2006.01)

CPC (source: EP)

F23R 3/343 (2013.01); **F23R 3/346** (2013.01)

Cited by

EP3736496A1; EP2813763A1; EP3176505A1; US9927126B2; US11175044B2; US10317084B2; US9562691B2; US10184665B2; US10955138B2; US11391463B2; US11655979B2

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

DOCDB simple family (publication)

EP 2592351 A1 20130515; EP 2592351 B1 20170412

DOCDB simple family (application)

EP 12190665 A 20121030