

Title (en)

GAS TURBINE ENGINE WITH AN AFTERBURNER HAVING RADIALLY DISPOSED INDIVIDUAL ATOMIZERS

Publication

EP 0222654 B1 19890329 (FR)

Application

EP 86402356 A 19861022

Priority

FR 8515713 A 19851023

Abstract (en)

[origin: US4730453A] An afterburner fuel injection system is disclosed which utilizes a plurality of individual fuel injectors displayed in a radial array around the periphery of a turbojet afterburner. An atomizing chamber is associated with each fuel injection conduit to achieve a homogeneous atomization of the fuel with the exhaust gases passing through the afterburner. Each fuel injector is individually connected to a fuel supply source and a source of purging air to minimize the delay in afterburner ignition and to prevent coking of the injector nozzles.

IPC 1-7

F23R 3/20

IPC 8 full level

F23R 3/20 (2006.01)

CPC (source: EP US)

F23R 3/20 (2013.01 - EP US); **F05B 2260/602** (2013.01 - EP US)

Cited by

US10378441B2; WO2015121559A1

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FR 2588920 A1 19870424; FR 2588920 B1 19871204; DE 3662623 D1 19890503; EP 0222654 A1 19870520; EP 0222654 B1 19890329; US 4730453 A 19880315

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