

Title (en)

GAS TURBINE UNIT WITH MULTIFLUID FUEL SUPPLY

Title (de)

GASTURBINENEINHEIT MIT MULTIFLUID-BRENNSTOFFVERSORGUNG

Title (fr)

UNITÉ DE TURBINE À GAZ À ALIMENTATION EN CARBURANT À PLUSIEURS FLUIDES

Publication

**EP 3209941 A1 20170830 (EN)**

Application

**EP 15804947 A 20151020**

Priority

- IT MI20141808 A 20141020
- IB 2015058085 W 20151020

Abstract (en)

[origin: WO2016063222A1] A gas turbine unit including a combustion chamber provided with a plurality of burner assemblies and a supply system, configured to supply fuel to the burner assemblies. Each burner assembly includes a respective lance injector (20) having a plurality of first nozzles (60) and a first internal fluid line (58) fluidically coupled with the first nozzles (60). The supply system includes a first fuel supply line and an inert supply line, configured to respectively supply a primary fuel and an inert fluid to the first nozzles (60) through the first internal fluid line (58).

IPC 8 full level

**F23L 7/00** (2006.01); **F23R 3/28** (2006.01); **F23R 3/34** (2006.01)

CPC (source: CN EP)

**F23L 7/00** (2013.01 - CN EP); **F23R 3/286** (2013.01 - CN EP); **F23R 3/343** (2013.01 - CN EP); **F23C 2900/07021** (2013.01 - CN EP); **F23L 2900/07002** (2013.01 - CN EP); **F23L 2900/07008** (2013.01 - CN EP); **F23L 2900/07009** (2013.01 - CN EP); **F23R 2900/03343** (2013.01 - CN EP)

Citation (search report)

See references of WO 2016063222A1

Cited by

EP4411242A1; EP4187072A1; US12111056B2

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2016063222 A1 20160428**; **WO 2016063222 A9 20160929**; CN 107110505 A 20170829; CN 107110505 B 20201218; EP 3209941 A1 20170830; EP 3209941 B1 20200819

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