

Title (en)
Aerodynamic fuel nozzle

Title (de)
Aerodynamische Kraftstoffdüse

Title (fr)
Buse à combustible aérodynamique

Publication
EP 2515042 A3 20140108 (EN)

Application
EP 12164848 A 20120419

Priority
US 201113092345 A 20110422

Abstract (en)
[origin: EP2515042A2] The present application and the resultant patent provide a combustor (100) for a turbine engine (10). The combustor (100) may include a number of fuel nozzles (110) with one or more of the fuel nozzles (110) including a swirler assembly (130). The swirler assembly (130) may include a number of stages (140) with a number of fueled structures (245) and a number of unfueled structures (250).

IPC 8 full level
F23R 3/14 (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)
F23R 3/14 (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US)

Citation (search report)

- [X] EP 1909032 A2 20080409 - GEN ELECTRIC [US]
- [X] US 7631500 B2 20091215 - MUELLER MARK ANTHONY [US], et al
- [X] US 2010126176 A1 20100527 - KIM IK SOO [GB]
- [X] US 6389815 B1 20020521 - HURA HARJIT SINGH [US], et al

Cited by
CN104406197A; WO2023180315A3

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)
EP 2515042 A2 20121024; EP 2515042 A3 20140108; CN 102809176 A 20121205; US 2012266602 A1 20121025

DOCDB simple family (application)
EP 12164848 A 20120419; CN 201210179234 A 20120420; US 201113092345 A 20110422