

Title (en)
Swirler

Title (de)
Drallerzeuger

Title (fr)
Tourbillonneur

Publication
EP 2314923 A3 20140618 (DE)

Application
EP 10171361 A 20100730

Priority
DE 102009045950 A 20091023

Abstract (en)
[origin: EP2314923A2] The twist generator has multiple twist generator segments (1.1,1.2,1.3) between which channels (K) for supplying of twist afflicted air to a combustion chamber of the gas turbine. A fuel injection insert (2) is provided for injecting fuel in the channels to pre-mix air and fuel. The fuel injection in a channel is predetermined by the arrangement of a fuel injection insert in twist generator segments. Independent claims are also included for the following: (1) a fuel injection insert with an insert body; (2) a twist generator segment with a triangular cross-section; and (3) a method for injecting fuel in a gas turbine.

IPC 8 full level
F23R 3/14 (2006.01)

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

Citation (search report)

- [X] EP 1847696 A1 20071024 - SIEMENS AG [DE]
- [X] EP 1865260 A2 20071212 - GEN ELECTRIC [US]
- [X] US 2008078183 A1 20080403 - ZIMINSKY WILLY STEVE [US], et al
- [X] GB 2342693 A 20000419 - GEN ELECTRIC [US]
- [A] WO 9615409 A1 19960523 - WESTINGHOUSE ELECTRIC CORP [US]
- [A] US 2006032231 A1 20060216 - ANDERSSON STEFAN [SE], et al

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EP2942563A1; CN106461228A; WO2015169930A1

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 SE SI SK SM TR

Designated extension state (EPC)
BA ME RS

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 10171361 A 20100730; CA 2714525 A 20100903; DE 102009045950 A 20091023; JP 2010221254 A 20100930; US 91028310 A 20101022