

Title (en)

GAS TURBINE ASSEMBLY WITH A NON-CYLINDRICAL TRANSITION DUCT

Title (de)

GASTURBINENANORDNUNG MIT NICHTZYLINDRISCHER INNENGEHÄUSENABE

Title (fr)

DISPOSITIF DE TURBINE À GAZ AVEC CONDUIT DE TRANSITION NON CYLINDRIQUE

Publication

EP 2318664 A1 20110511 (DE)

Application

EP 09807919 A 20090716

Priority

- EP 2009059126 W 20090716
- EP 08014872 A 20080821
- EP 09807919 A 20090716

Abstract (en)

[origin: EP2157284A1] The arrangement has a burner, and a combustion chamber for combustion of fuel. An inner housing (9) is arranged adjacent to mixing housings (8a, 8b) and includes an inner housing hub (170). A turbine is arranged perpendicular with respect to the burner. A combustion exhaust gas resulting by the combustion of the fuel flows into the inner housing through the mixing housings. The inner housing is designed in such a manner that the combustion exhaust gas in the inner housing is deflected toward the turbine using the inner housing hub, which is non-cylindrically designed. An independent claim is also included for a method for improving turbine inflow.

IPC 8 full level

F01D 9/02 (2006.01)

CPC (source: EP)

F01D 9/023 (2013.01); **F05D 2210/43** (2013.01); **F05D 2230/80** (2013.01); **F05D 2240/12** (2013.01); **F05D 2250/313** (2013.01); **F05D 2250/33** (2013.01); **F05D 2250/70** (2013.01)

Citation (search report)

See references of WO 2010020487A1

Designated contracting state (EPC)

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)

AL BA RS

DOCDB simple family (publication)

EP 2157284 A1 20100224; EP 2318664 A1 20110511; EP 2318664 B1 20160504; WO 2010020487 A1 20100225

DOCDB simple family (application)

EP 08014872 A 20080821; EP 09807919 A 20090716; EP 2009059126 W 20090716