

Title (en)

GAS TURBINE ENGINE WITH MULTIPLE COMPONENT EXHAUST DIFFUSER OPERATING IN CONJUNCTION WITH AN OUTER CASE
AMBIENT EXTERNAL COOLING SYSTEM

Title (de)

GASTURBINENMOTOR MIT MEHRTEILIGEN ABGASDIFFUSOR IN VERBINDUNG MIT EINEM AUSSENKÜHLUNGSSYSTEM EINES
AUSSENGEHÄUSES

Title (fr)

MOTEUR À TURBINE À GAZ AVEC DIFFUSEUR D'ÉCHAPPEMENT À COMPOSANTS MULTIPLES FONCTIONNANT EN ASSOCIATION AVEC
UN SYSTÈME DE REFROIDISSEMENT EXTERNE AMBIANT À BOÎTIER EXTERNE

Publication

EP 2948646 A2 20151202 (EN)

Application

EP 14702728 A 20140122

Priority

- US 201313746423 A 20130122
- US 2014012416 W 20140122

Abstract (en)

[origin: WO2014116616A2] An attachment system for attaching at least one exhaust diffuser (26) downstream from a turbine assembly (12) in a gas turbine engine is disclosed. The attachment system may include at least one attachment flange (134) extending from a downstream edge (132) and attached to a spring plate diffuser support structure (202) and at least one attachment flange (134) extending from side edges of the exhaust diffuser (26) to couple sections of the exhaust diffuser (26) together. The diffuser (26) may also include a thermal barrier/cooling system (44) for controlling a temperature of an outer case (11) of the gas turbine engine. The thermal barrier/cooling system (44) may form a flow path for an ambient air flow cooling.

IPC 8 full level

F01D 25/30 (2006.01); **F01D 9/06** (2006.01); **F01D 25/12** (2006.01); **F01D 25/24** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2014116616A2

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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