

Title (en)

Diffuser for gas turbine system between compressor exit and combustor inlet

Title (de)

Diffusor einer Gasturbine zwischen Verdichteraustritt und Brennkammereintritt

Title (fr)

Diffuseur d'une turbine à gaz entre la sortie du compresseur et l'entrée de la chambre à combustion

Publication

**EP 2385219 A3 20130605 (EN)**

Application

**EP 11164824 A 20110504**

Priority

US 77426210 A 20100505

Abstract (en)

[origin: EP2385219A2] A diffuser (20) for a gas turbine system (10) having a longitudinal axis (90) is disclosed. The diffuser (20) includes a plurality of diffuser ducts (30). Each of the plurality of diffuser ducts (30) is disposed annularly about the longitudinal axis (90) and has an inlet (32), an outlet (36), and a passage (34) extending between the inlet (32) and the outlet (36). The outlet (36) of each of the plurality of diffuser ducts (30) is tangentially offset from the inlet (32) of the respective diffuser duct (30). Each of the plurality of diffuser ducts (30) is configured to flow a gas flow (80) therethrough, reducing the gas flow (80) velocity.

IPC 8 full level

**F01D 9/02** (2006.01); **F04D 29/44** (2006.01)

CPC (source: EP US)

**F01D 9/02** (2013.01 - EP US); **F04D 29/541** (2013.01 - EP US); **F04D 29/545** (2013.01 - EP US); **F05D 2240/12** (2013.01 - EP US); **F05D 2260/60** (2013.01 - EP US)

Citation (search report)

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- [X] US 2009022586 A1 20090122 - HONDA SHUICHI [JP], et al
- [X] US 2006104809 A1 20060518 - FISH JASON A [CA], et al
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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)

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**EP 11164824 A 20110504**; CN 201110125149 A 20110505; JP 2011094586 A 20110421; US 77426210 A 20100505