

Title (en)

EXHAUST DIFFUSER OF A GAS TURBINE ENGINE HAVING VARIABLE GUIDE VANE RINGS

Title (de)

ABGASDIFFUSOR EINES GASTURBINENTRIEBWERKS MIT VERSTELLBAREN LEITSCHAUFELRINGEN

Title (fr)

DIFFUSEUR D'ÉCHAPPEMENT AVEC COURONNES D'AUBE DIRECTRICE VARIABLE POUR UN MOTEUR À TURBINE À GAZ

Publication

EP 3392468 A1 20181024 (EN)

Application

EP 17193245 A 20170926

Priority

KR 20170049791 A 20170418

Abstract (en)

An exhaust diffuser (100) according to an embodiment of the present disclosure is mounted at an outlet of a gas turbine to eject exhaust gas to the outside and includes hollow cylindrical internal diffuser guide (101) and external diffuser guide (102). The exhaust diffuser (100) includes: struts (110) disposed between the internal diffuser guide (101) and the external diffuser guide (102) to space the internal diffuser guide (101) and the external diffuser guide (102) at a predetermined distance from each other; and vanes (120) surrounding an outer side of the internal diffuser guide (101).

IPC 8 full level

F01D 17/16 (2006.01); **F01D 25/30** (2006.01); **F04D 29/54** (2006.01); **F04D 29/68** (2006.01)

CPC (source: EP KR US)

F01D 17/14 (2013.01 - KR US); **F01D 17/16** (2013.01 - EP US); **F01D 17/162** (2013.01 - US); **F01D 25/30** (2013.01 - EP KR US); **F05D 2250/324** (2013.01 - EP US); **F05D 2270/17** (2013.01 - EP US)

Citation (applicant)

KR 20150123950 A 20151104 - GEN ELECTRIC [US]

Citation (search report)

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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

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DOCDB simple family (application)

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