

Title (en)
Gas turbine

Title (de)
Gasturbine

Title (fr)
Turbine à gaz

Publication
EP 2574732 A2 20130403 (EN)

Application
EP 12181928 A 20120828

Priority
JP 2011213681 A 20110929

Abstract (en)
A gas turbine is provided that can suppress an increase in the supplied amount of cooling air in clearance adjustment through casing cooling. The gas turbine 101 includes a turbine casing 19 enclosing a turbine shaft 105, the turbine casing 19 including a cooling air header 21 and a cooling passage 24; and an exhaust diffuser 113 connected to the exhaust side of the casing 19, the exhaust diffuser 113 including an exhaust diffuser cooling passage 26. A plate 22 formed with a plurality of impingement cooling holes 28 is installed inside the cooling air header, and a route is formed which allows cooling air introduced from the impingement cooling holes to flow from the casing cooling passage to the diffuser cooling passage.

IPC 8 full level
F01D 11/24 (2006.01)

CPC (source: EP US)
F01D 11/24 (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US)

Citation (applicant)
JP 2008196490 A 20080828 - GEN ELECTRIC

Cited by
CN106661958A; CN110494632A; CN106795778A; WO2014158609A1; US8920109B2; US10294818B2

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)
EP 2574732 A2 20130403; JP 2013083250 A 20130509; US 2013084162 A1 20130404

DOCDB simple family (application)
EP 12181928 A 20120828; JP 2012215458 A 20120928; US 201213604729 A 20120906