

Title (en)
Gas turbine and associated cooling method

Title (de)
Gasturbine und zugehöriges Kühlverfahren

Title (fr)
Turbine à gaz et méthode pour la refroidir

Publication
EP 1505254 B1 20170125 (DE)

Application
EP 04103627 A 20040728

Priority
DE 10336432 A 20030808

Abstract (en)
[origin: EP1505254A2] The gas turbine (1) has at least one combustion chamber (2) enclosed by inner cladding (3) and outer cladding (4), a stator (6) with at least one row of blades, a rotor (8) with at least one row of blades, an air cooler (31) for cooling parts of the gas turbine with air and an additional steam cooler (32) for cooling parts of turbine with steam. An independent claim is also included for the following: (a) a method of cooling a gas turbine.

IPC 8 full level
F01D 5/18 (2006.01)

CPC (source: EP US)
F01D 5/186 (2013.01 - EP US); **F05D 2260/2322** (2013.01 - EP US)

Citation (examination)

- US 4571935 A 19860225 - RICE IVAN G [US]
- US 4413477 A 19831108 - DEAN GILBERT J [US], et al
- EP 0392664 A2 19901017 - TOSHIBA KK [JP]

Cited by
EP1921270A3; US7870742B2; US8783044B2; US7870743B2; US7926289B2

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
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DOCDB simple family (application)
EP 04103627 A 20040728; CN 200410056555 A 20040809; DE 10336432 A 20030808; US 91211904 A 20040806