

Title (en)

STATOR ASSEMBLY FOR A GAS TURBINE AND GAS TURBINE COMPRISING SAID STATOR ASSEMBLY

Title (de)

STATORANORDNUNG FÜR EINE GASTURBINE UND GASTURBINE MIT DIESER STATORANORDNUNG

Title (fr)

ENSEMBLE DE STATOR POUR TURBINE À GAZ ET TURBINE À GAZ COMPORTANT LEDIT ENSEMBLE STATOR

Publication

EP 3816405 B1 20230503 (EN)

Application

EP 19425077 A 20191104

Priority

EP 19425077 A 20191104

Abstract (en)

[origin: EP3816405A1] A stator assembly (22) for a gas turbine comprising is provided with:• a stator ring (24), which extends about a longitudinal axis (A) and comprises an inner edge and an outer edge (29); the outer edge being provided with an annular groove (30); the annular groove (30) defining a leading wall (34) and a trailing wall (35); the trailing wall (34) being provided with an annular trailing radial face (36a) and with an annular trailing axial face (36b);• a plurality of stator vanes (25) radially arranged and coupled alongside one another to the outer edge (29) of the stator ring (24) so as to close the annular groove (30) and define an annular cooling channel (32);the stator ring (24) being provided with at least one trailing cooling hole (39) having an inlet (40) facing the annular cooling channel (32) and an outlet (41) arranged on the annular trailing radial face (36b).

IPC 8 full level

F01D 11/04 (2006.01); **F01D 5/30** (2006.01); **F01D 9/04** (2006.01); **F01D 9/06** (2006.01); **F01D 11/00** (2006.01)

CPC (source: CN EP)

F01D 5/3038 (2013.01 - EP); **F01D 9/02** (2013.01 - CN); **F01D 9/041** (2013.01 - CN); **F01D 9/042** (2013.01 - EP); **F01D 9/065** (2013.01 - EP); **F01D 11/001** (2013.01 - EP); **F01D 11/04** (2013.01 - EP); **F05D 2220/32** (2013.01 - EP)

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

DOCDB simple family (publication)

EP 3816405 A1 20210505; **EP 3816405 B1 20230503**; CN 112780358 A 20210511; EP 4230844 A1 20230823

DOCDB simple family (application)

EP 19425077 A 20191104; CN 202011216063 A 20201104; EP 23170966 A 20191104