

Title (en)

Gas turbine with seal plates on the turbine disk

Title (de)

GASTURBINE MIT DICHTPLATTEN AN DER TURBINENSCHIEBE

Title (fr)

Turbine à gaz avec plaques d'étanchéité sur le disque de turbine

Publication

EP 2344723 A1 20110720 (DE)

Application

EP 09782613 A 20090904

Priority

- EP 2009061462 W 20090904
- EP 08018988 A 20081030
- EP 09782613 A 20090904

Abstract (en)

[origin: EP2182170A1] The gas turbine has multiple guide vanes, which are combined in guide vane rows. The guide vanes are fixed at turbine housing by a guide vane carrier. Multiple rotating vanes are provided, which are combined in rotating vane rows. The rotating vanes are arranged at a turbine disk (38). The turbine disk has multiple sealing plates (30) at front surface.

IPC 8 full level

F01D 5/30 (2006.01)

CPC (source: EP US)

F01D 5/3015 (2013.01 - EP US); **F05B 2260/301** (2013.01 - EP US)

Citation (search report)

See references of WO 2010049196A1

Cited by

EP3564489A1; WO2019211091A1; US11319824B2

Designated contracting state (EPC)

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 SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2182170 A1 20100505; CN 102203389 A 20110928; CN 102203389 B 20140305; EP 2344723 A1 20110720; EP 2344723 B1 20140507; JP 2012506968 A 20120322; JP 5108152 B2 20121226; RU 2011121660 A 20121210; RU 2515697 C2 20140520; US 2011206524 A1 20110825; US 8573943 B2 20131105; WO 2010049196 A1 20100506

DOCDB simple family (application)

EP 08018988 A 20081030; CN 200980143237 A 20090904; EP 09782613 A 20090904; EP 2009061462 W 20090904; JP 2011533640 A 20090904; RU 2011121660 A 20090904; US 200913126782 A 20090904