

Title (en)

SPACER FOR GAS TURBINE BLADE INSERT

Title (de)

ABSTANDSSTÜCK FÜR GASTURBINENSCHAUFEEINSATZ

Title (fr)

ÉLÉMENT D'ESPACEMENT POUR INSERT D'AUBE DE TURBINE À GAZ

Publication

EP 2115272 A1 20091111 (EN)

Application

EP 07713410 A 20070104

Priority

IT 2007000004 W 20070104

Abstract (en)

[origin: WO2008081486A1] A gas turbine blade (1) has: a main hollow body (2) substantially extending along a longitudinal axis (A) and having a leading edge (6), a trailing edge (7), opposite to the leading edge (6), a suction side (8), and a pressure side (9), both comprised between the leading edge (6) and the trailing edge (7); a hollow cooling element (3) extending along the axis (A), which is equipped with a plurality of cooling holes (17) and is set within the main body (2) so as to define a gap (14) between the main body (2) and the cooling element (3); and a rib (4), which is set within the gap (14) for connecting the main body (2) with the cooling element (3) on the suction side, in an area of the main body (2) without holes for communication between the gap (14) and the outside of the blade (1).

IPC 8 full level

F01D 5/18 (2006.01)

CPC (source: EP US)

F01D 5/189 (2013.01 - EP US)

Citation (search report)

See references of WO 2008081486A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 2008081486 A1 20080710; EP 2115272 A1 20091111; JP 2010515850 A 20100513; US 2010143154 A1 20100610

DOCDB simple family (application)

IT 2007000004 W 20070104; EP 07713410 A 20070104; JP 2009544497 A 20070104; US 52205107 A 20070104