

Title (en)

Reduction of the blade tip clearance in a gas turbine

Title (de)

Verminderung des Blattspitzenspiels bei einer Gasturbine

Title (fr)

Réduction de jeux dans une turbine à gaz

Publication

EP 1469165 B1 20061018 (FR)

Application

EP 04290819 A 20040326

Priority

FR 0304736 A 20030416

Abstract (en)

[origin: EP1469165A1] The turbine has a blade (10) mounted in rotation around an axis in a casing comprising a metallic ring (16) fixed around a turbine rotor. An internal cylindrical surface of the casing is covered with a layer (18) of abradable material. A peripheral shroud (26) is slidably mounted at apex of the blade and partially housed and guided in an annular groove (30) of the ring (16).

IPC 8 full level

F01D 5/20 (2006.01)

CPC (source: EP US)

F01D 5/20 (2013.01 - EP US); **F01D 5/284** (2013.01 - EP US)

Cited by

WO2006062451A1; FR3085712A1; FR3118105A1; FR2940352A1; FR3025555A1; US8870531B2; US7798778B2

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DOCDB simple family (publication)

EP 1469165 A1 20041020; EP 1469165 B1 20061018; CA 2463182 A1 20041016; CA 2463182 C 20110927; DE 602004002798 D1 20061130; DE 602004002798 T2 20070823; ES 2274395 T3 20070516; FR 2853931 A1 20041022; US 2005008481 A1 20050113; US 6976824 B2 20051220

DOCDB simple family (application)

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