

Title (en)

Transition from combustion chamber to turbine, heat shield, and turbine vane in a gas turbine

Title (de)

Übergang zwischen Brennkammer und Turbineneinheit, Hitzeschild und Turbinenleitschaufel für eine Gasturbine

Title (fr)

Transition de la chambre de combustion à la turbine, écran thermique et aube du distributeur de turbine

Publication

EP 1731711 A1 20061213 (DE)

Application

EP 05012555 A 20050610

Priority

EP 05012555 A 20050610

Abstract (en)

The turbine guide blade (22) has first transverse edge (38a) which exhibits curved progression (37) through which platform surface (28) extends in a convex manner whereby first transverse edge progress along pressure level line of hot gas (11), along which an identical pressure of hot gas is obtained. Independent claims are also included for the following: (A) Application of the turbine guide blade; (B) Transition area; (C) Thermal protection shield; and (D) Method for evaluation and production of a turbine guide blade.

IPC 8 full level

F01D 5/14 (2006.01); **F01D 9/02** (2006.01); **F01D 11/00** (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP)

F01D 5/143 (2013.01); **F01D 9/023** (2013.01); **F01D 11/005** (2013.01); **F05D 2240/80** (2013.01); **F05D 2250/711** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 005, no. 105 (M - 077) 8 July 1981 (1981-07-08)

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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 MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

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