

Title (en)

COMPONENT THAT CAN BE SUBJECTED TO HOT GAS, ESPECIALLY A TURBINE BLADE

Title (de)

HEISSGASBEAUFSCHLAGBARES BAUTEIL, INSBESONDERE TURBINENSCHAUFEL

Title (fr)

COMPOSANT, NOTAMMENT AUBE DE TURBINE, POUVANT ETRE EXPOSE A UN GAZ CHAUD

Publication

**EP 1192333 B1 20030604 (DE)**

Application

**EP 00942078 A 20000615**

Priority

- EP 00942078 A 20000615
- EP 0005525 W 20000615
- EP 99112370 A 19990628

Abstract (en)

[origin: WO0100965A1] The invention relates to a component (10) that can be subjected to a hot gas, especially a turbine blade. At least one channel (13) is provided. Said channel can be subjected to a cooling fluid and is delimited by two first walls (16, 17), which face each other and have turbulators (20, 21) with the same direction of inclination. The turbulators (20) of the first wall (16) have a different angle of inclination ( alpha ) in relation to a direction of flow (22) of the cooling fluid to the turbulators (21) of the second wall (17) in order to avoid constrictions (23).

IPC 1-7

**F01D 5/18**

IPC 8 full level

**F01D 5/18** (2006.01)

CPC (source: EP US)

**F01D 5/187** (2013.01 - EP US); **F05D 2260/2212** (2013.01 - EP US)

Cited by

WO2015073092A2; WO2015073092A3

Designated contracting state (EPC)

CH DE FR GB IT LI SE

DOCDB simple family (publication)

**WO 0100965 A1 20010104**; DE 50002464 D1 20030710; EP 1192333 A1 20020403; EP 1192333 B1 20030604; JP 2003503620 A 20030128; JP 4489336 B2 20100623; US 6641362 B1 20031104

DOCDB simple family (application)

**EP 0005525 W 20000615**; DE 50002464 T 20000615; EP 00942078 A 20000615; JP 2001506354 A 20000615; US 3023601 A 20011228