

Title (en)

TURBINE BLADE AND ITS USE IN A GAS TURBINE SYSTEM

Title (de)

TURBINENSCHAUFEL SOWIE VERWENDUNG IN EINER GASTURBINENANLAGE

Title (fr)

AUBE DE TURBINE ET SON UTILISATION DANS UN SYSTEME DE TURBINE A GAZ

Publication

**EP 0954680 A1 19991110 (DE)**

Application

**EP 97949947 A 19971118**

Priority

- DE 9702702 W 19971118
- DE 19649924 A 19961202

Abstract (en)

[origin: WO9825009A1] A turbine blade (1) has a wall structure (2) around which a hot gas (18) can flow. The wall structure (2) has a cooling area (5) through which a cooling fluid (6) flows between an outer wall (3) and an inner wall (4). Each cooling area (5) has heat transfer elements (7) around which the cooling fluid (6) can flow. The heat transfer elements (7) are successively arranged in a main flow direction (12) and are thermoconductively connected to the outer wall (3).

IPC 1-7

**F01D 5/18**

IPC 8 full level

**F01D 5/18** (2006.01)

CPC (source: EP)

**F01D 5/18** (2013.01); **F01D 5/187** (2013.01); **F05D 2260/2212** (2013.01)

Citation (search report)

See references of WO 9825009A1

Cited by

EP3564484A1; WO2019211082A1; US11220915B2

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**WO 9825009 A1 19980611**; DE 59706345 D1 20020321; EP 0954680 A1 19991110; EP 0954680 B1 20020206; JP 2001505275 A 20010417; JP 4027430 B2 20071226

DOCDB simple family (application)

**DE 9702702 W 19971118**; DE 59706345 T 19971118; EP 97949947 A 19971118; JP 52504598 A 19971118