

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

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- 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

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CPC (source: EP)

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