

Title (en)
Gas turbine blade and gas turbine

Title (de)
Turbinenschaufel und Turbine

Title (fr)
Aube de turbine à gaz et turbine à gaz

Publication
EP 1247937 B1 20050803 (DE)

Application
EP 01108477 A 20010404

Priority
EP 01108477 A 20010404

Abstract (en)
[origin: EP1247937A1] The device has a bearer vane profile (20) and at least one platform (18,19) for attachment to a higher order component. Each platform encloses an obtuse angle (22,23) with a longitudinal axis (21) of the bearer vane profile. Two platforms can be provided at opposite ends of the bearer plane profile. At least one platform can be straight or partially or fully curved. Independent claims are also included for the following: a turbine, especially a gas turbine.

IPC 1-7
F01D 5/14; F01D 9/02

IPC 8 full level
B22C 9/22 (2006.01); **B22D 27/04** (2006.01); **F01D 5/14** (2006.01); **F01D 5/28** (2006.01); **F01D 5/34** (2006.01); **F01D 9/02** (2006.01)

CPC (source: EP US)
F01D 5/141 (2013.01 - EP US); **F01D 5/34** (2013.01 - EP US); **F01D 9/02** (2013.01 - EP US); **F05D 2240/80** (2013.01 - EP US); **Y10T 29/49336** (2015.01 - EP US)

Designated contracting state (EPC)
DE ES FR GB IT

DOCDB simple family (publication)
EP 1247937 A1 20021009; EP 1247937 B1 20050803; CN 100366865 C 20080206; CN 1379165 A 20021113; DE 50106970 D1 20050908; ES 2243358 T3 20051201; JP 2002357102 A 20021213; US 2002157250 A1 20021031

DOCDB simple family (application)
EP 01108477 A 20010404; CN 02108594 A 20020404; DE 50106970 T 20010404; ES 01108477 T 20010404; JP 2002098226 A 20020401; US 11759002 A 20020404