

Title (en)

Turbine blade with actively cooled head platform

Title (de)

Turbinenschaufel mit aktiv gekühltem Deckbandelement

Title (fr)

Aube de turbine avec plateforme refroidie

Publication

EP 1013884 B1 20050727 (DE)

Application

EP 99811187 A 19991221

Priority

- DE 19860245 A 19981224
- DE 19860244 A 19981224

Abstract (en)

[origin: EP1013884A2] The turbine blade(10) has cooling holes(17) in the blade's shroud element(11) running from the inside outwards and parallel to the direction of the blade's movement. Each cooling hole opens out into a surface recess(14) before the outer edge(25) of the shroud element and open to the outer space around the turbine blade. The recess may be located on the upper side(22) of the shroud element, with the cooling holes running into it at the side, or the recess may be on the side edge of the shroud element.

IPC 1-7

F01D 5/22; **F01D 5/18**

IPC 8 full level

F01D 5/18 (2006.01); **F01D 5/22** (2006.01)

CPC (source: EP US)

F01D 5/187 (2013.01 - EP US); **F01D 5/225** (2013.01 - EP US); **F05B 2240/801** (2013.01 - US); **F05D 2240/81** (2013.01 - EP)

Cited by

EP1126136A3; EP1267042A3; CH700686A1; EP2290193A3; EP2657452A4; EP3550111A1; US7273347B2; WO2010112299A1; WO2011045346A1; US9464529B2; US9353640B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1013884 A2 20000628; **EP 1013884 A3 20031105**; **EP 1013884 B1 20050727**; CN 1260442 A 20000719; DE 59912323 D1 20050901; US 6340284 B1 20020122

DOCDB simple family (application)

EP 99811187 A 19991221; CN 99124987 A 19991224; DE 59912323 T 19991221; US 47141099 A 19991223