

Title (en)
Turbine blade

Title (de)
Turbinenschaufel

Title (fr)
Aube de turbine

Publication
EP 1898049 A1 20080312 (EN)

Application
EP 06019003 A 20060911

Priority
EP 06019003 A 20060911

Abstract (en)
A turbine blade is provided which comprises a platform section (1) having a first side (11), a second side (13) opposite the first side, and, extending from the first side (11) to the second side (13), a leading side (14), a trailing side (16) and peripheral sides (15) extending along a curved path from the leading side (14) to the trailing side (16). It further comprises an airfoil section (3) extending from the first side (11) of the platform section (1) and a root section (5) extending from the second side (13) of the platform section (1). The root section (5) extends along a path from the leading side (14) to the trailing side (16) of the platform section (1) that is straight or has a curvature which is different to the curvature of said curved path.

IPC 8 full level
F01D 5/12 (2006.01); **F01D 5/30** (2006.01)

CPC (source: EP)
F01D 5/3007 (2013.01); **F05D 2250/71** (2013.01); **F05D 2260/941** (2013.01)

Citation (applicant)
• US 5242270 A 19930907 - PARTINGTON ALBERT J [US], et al
• US 5160242 A 19921103 - BROWN WILMOTT G [US]
• US 3986739 A 19761019 - GUIRAUD FRANCOIS
• JP H07310502 A 19951128 - TOSHIBA CORP
• EP 1124038 A1 20010816 - SIEMENS AG [DE]

Citation (search report)
• [X] EP 1124038 A1 20010816 - SIEMENS AG [DE]
• [X] US 5160242 A 19921103 - BROWN WILMOTT G [US]
• [X] US 3986793 A 19761019 - WARNER RONALD E, et al
• [AD] US 5242270 A 19930907 - PARTINGTON ALBERT J [US], et al
• [AD] JP H07310502 A 19951128 - TOSHIBA CORP
• [A] US 1719415 A 19290702 - GOLDIE BACK

Cited by
AU2013212537B2; CN101782080A; US8870542B2; WO2013110140A1; WO2010088881A1

Designated contracting state (EPC)
DE FR GB IT SE

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1898049 A1 20080312; EP 1898049 B1 20120523

DOCDB simple family (application)
EP 06019003 A 20060911