

Title (en)
Turbine blade

Title (de)
Turbinenschaufel

Title (fr)
Aube de turbine

Publication
EP 1215366 B1 20110518 (DE)

Application
EP 01890337 A 20011212

Priority
AT 20962000 A 20001215

Abstract (en)
[origin: EP1215366A2] Turbine blade has a tensile strength Rm of at least 700 N/mm<2>, a creep limit Rp0.2, an expansion A of at least 15% and a constriction Z of at least 10%. The blade is produced from a powder metallurgical feed material formed by pulverizing a melt by atomizing with nitrogen and hot isostatically pressing the powder; machining and thermally treating or tempering.

IPC 8 full level
F01D 5/28 (2006.01); **B22F 3/00** (2006.01); **B22F 5/04** (2006.01); **C22C 33/02** (2006.01); **C22C 38/00** (2006.01); **C22C 38/42** (2006.01); **C22C 38/60** (2006.01)

CPC (source: EP)
B22F 5/04 (2013.01); **C22C 33/0285** (2013.01); **C22C 38/001** (2013.01); **C22C 38/42** (2013.01); **C22C 38/60** (2013.01); **F01D 5/28** (2013.01); **B22F 2003/247** (2013.01); **B22F 2003/248** (2013.01); **B22F 2998/10** (2013.01); **B22F 2999/00** (2013.01)

Cited by
EP2159295A3; US8591673B2; WO2012104347A1; EP2652268B1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)
SI

DOCDB simple family (publication)
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