

Title (en)
Cooling of a turbine vane

Title (de)
Kühlung einer Turbinenschaufel

Title (fr)
Refroidissement d'une aube de turbine

Publication
EP 1283326 B1 20051221 (DE)

Application
EP 01119263 A 20010809

Priority
EP 01119263 A 20010809

Abstract (en)
[origin: EP1283326A1] The turbine blade (1) has a blade section (2) supplied with a cooling medium (K), e.g. air, flowing in the direction of the blade, axis via flow and return channels (6,8) extending over its full length. The flow and return channels are coupled together so that the cooling medium flows between them in a transverse direction across an internal partition wall (16) of the blade section.

IPC 1-7
F01D 5/18

IPC 8 full level
F01D 9/02 (2006.01); **F01D 5/18** (2006.01)

CPC (source: EP US)
F01D 5/189 (2013.01 - EP US); **F05D 2260/201** (2013.01 - EP US); **F05D 2260/205** (2013.01 - EP US)

Designated contracting state (EPC)
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EP 1283326 A1 20030212; EP 1283326 B1 20051221; CN 1318733 C 20070530; CN 1405431 A 20030326; DE 50108466 D1 20060126; ES 2254296 T3 20060616; JP 2003056305 A 20030226; JP 4249959 B2 20090408; US 2003035726 A1 20030220; US 6905301 B2 20050614

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