

Title (en)
Cooled gas turbine blade

Title (de)
Gekühlte Gasturbinenschaufel

Title (fr)
Aube refroidie pour turbine à gaz

Publication
EP 1215363 B1 20051005 (DE)

Application
EP 01128573 A 20011130

Priority
DE 10062907 A 20001216

Abstract (en)
[origin: EP1215363A2] Cooled gas turbine blade comprises a shroud (2) provided with a cooling channel system closed by a covering plate (6) radial to the gas turbine blade. The covering plate forms along the entire length of its peripheral edge a continuous form connection or a number of locally limited form connections with the shroud. Preferred Features: The number of locally limited form connections is uniformly distributed along the peripheral edge.

IPC 1-7
F01D 5/18; **F01D 9/04**

IPC 8 full level
F01D 5/08 (2006.01); **F01D 5/18** (2006.01); **F01D 5/22** (2006.01); **F01D 9/04** (2006.01); **F01D 25/12** (2006.01)

CPC (source: EP US)
F01D 5/081 (2013.01 - EP US); **F01D 5/187** (2013.01 - EP US); **F01D 5/22** (2013.01 - EP US); **F01D 5/225** (2013.01 - EP US); **F01D 25/12** (2013.01 - EP US); **F05D 2240/81** (2013.01 - EP US); **F05D 2250/191** (2013.01 - EP US)

Cited by
US7427188B2

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DE GB

DOCDB simple family (publication)
EP 1215363 A2 20020619; **EP 1215363 A3 20040102**; **EP 1215363 B1 20051005**; DE 10131073 A1 20020620; DE 10131370 A1 20020620; DE 50106966 D1 20050908; DE 50107607 D1 20060216; EP 1215364 A2 20020619; EP 1215364 A3 20040102; EP 1215364 B1 20050803; JP 2002201907 A 20020719; US 2002127103 A1 20020912; US 2002136635 A1 20020926; US 6589011 B2 20030708; US 6682304 B2 20040127

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EP 01128573 A 20011130; DE 10131073 A 20010627; DE 10131370 A 20010628; DE 50106966 T 20011130; DE 50107607 T 20011130; EP 01128572 A 20011130; JP 2001383503 A 20011217; US 99668401 A 20011130; US 99669301 A 20011130