

Title (en)

Cooling of a blade shroud in a gas turbine

Title (de)

Vorrichtung zur Kühlung eines Deckbandes einer Gasturbinenschaufel

Title (fr)

Refroidissement d'une bande de recouvrement des aubes dans une turbine à gaz

Publication

EP 1215364 A3 20040102 (DE)

Application

EP 01128572 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 5/22; **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)

Citation (search report)

- [Y] US 5743708 A 19980428 - CUNHA FRANCISCO J [US], et al
- [Y] US 4712979 A 19871215 - FINGER STEPHEN N [US]

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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