

Title (en)

Cooling Channel, Combustor and Gas Turbine

Title (de)

Kühlkanal, Brennkammer und Gasturbine

Title (fr)

Canal de refroidissement, chambre de combustion et turbine à gaz

Publication

**EP 1628076 A1 20060222 (DE)**

Application

**EP 04019326 A 20040813**

Priority

EP 04019326 A 20040813

Abstract (en)

Cooling channel (11) comprises concave recesses arranged only outside of an edge zone on the hot gas wall (13). Preferred Features: The edge zone lies next to a side wall (21) having a transition section inclined to the hot gas wall. The transition section lies next to the edge zone of the hot gas wall. Concave recesses are arranged on a side wall, especially in the transition section.

IPC 8 full level

**F23R 3/00** (2006.01); **F01D 5/18** (2006.01); **F01D 11/24** (2006.01); **F01D 25/12** (2006.01)

CPC (source: EP)

**F01D 5/187** (2013.01); **F01D 11/24** (2013.01); **F01D 25/12** (2013.01); **F23M 5/085** (2013.01); **F23R 3/005** (2013.01); **F05D 2250/28** (2013.01); **F05D 2250/29** (2013.01); **F05D 2250/712** (2013.01); **F05D 2260/2212** (2013.01); **F05D 2260/2214** (2013.01); **F05D 2260/22141** (2013.01)

Citation (search report)

- [X] EP 1400750 A2 20040324 - GEN ELECTRIC [US]
- [X] US 2004052643 A1 20040318 - BUNKER RONALD SCOTT [US]
- [A] EP 0852285 A1 19980708 - GEN ELECTRIC [US]
- [A] EP 0852284 A1 19980708 - GEN ELECTRIC [US]

Cited by

EP2031302A1; CN108954383A; EP2317270A4; US8955333B2; US8522557B2

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