

Title (en)

Cooling device and method for a gas turbine casing or a combustor

Title (de)

Einrichtung und Verfahren zum Kühlen eines Gehäuses einer Gasturbine bzw. einer Brennkammer

Title (fr)

Dispositif et procédé de refroidissement d'un boîtier de turbine à gaz ou d'une chambre de combustion

Publication

**EP 1630361 A1 20060301 (DE)**

Application

**EP 05107505 A 20050816**

Priority

DE 102004041271 A 20040823

Abstract (en)

The device for the cooling of a gas turbine casing (2) and/or a combustion chamber has a cooling gas supply unit (7), a cooling gas path (10) directed through the casing in its circumferential direction, and a switching unit (13) switchable between a first position, in which it connects the outlet (8) of the cooling gas supply unit to a first casing connection (11) and connects the inlet (9) of the cooling gas supply unit to a second casing connection (12), and a second position in which it connects the outlet of the cooling gas supply unit to the second casing connection and connects the inlet of the cooling gas supply unit to the first casing connection. An independent claim is included for a method for the cooling of the casing of a gas turbine and/or of a combustion chamber of a gas turbine.

IPC 8 full level

**F01D 25/26** (2006.01); **F01D 25/12** (2006.01)

CPC (source: EP US)

**F01D 25/12** (2013.01 - EP US); **F01D 25/26** (2013.01 - EP US)

Citation (search report)

- [A] WO 0011324 A1 20000302 - SIEMENS AG [DE], et al
- [A] WO 03038243 A1 20030508 - ALSTOM SWITZERLAND LTD [CH], et al

Cited by

WO2009106166A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1630361 A1 20060301**; **EP 1630361 B1 20070808**; AT E369484 T1 20070815; DE 102004041271 A1 20060302; DE 502005001170 D1 20070920; US 2006191274 A1 20060831; US 7682130 B2 20100323

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