

Title (en)

System for influencing an exhaust gas flow

Title (de)

Anordnung zur Beeinflussung einer Abgasströmung

Title (fr)

Installation pour influencer un flux de gaz d'échappement

Publication

EP 2325559 A1 20110525 (DE)

Application

EP 09014442 A 20091119

Priority

EP 09014442 A 20091119

Abstract (en)

The arrangement has a flow grid (14) partially blocking cross-section of a channel (1) and provided with passages. The flow grid is arranged transversely in an area of the channel at an end facing a gas turbine, where excessive speeds occur in the area of the channel. The grid consists of a row of individual pipes or rods that are arranged next to each other and at a distance from each other in a longitudinal direction of the channel. A cooling medium flows through the pipes. The flow grid is supported at an inner casing of the channel.

Abstract (de)

Zur Beeinflussung der Strömung eines Abgases einer Gasturbine innerhalb eines vorzugsweise zu einem Abhitzeessel führenden Kanals (1) wird eine Anordnung verwendet, die aus einem den Querschnitt des Kanals (1) teilweise versperrenden und mit Durchtritten versehenen Strömungsgitter besteht, das quer in dem Kanal (1) an dem der Gasturbine zugewandten Ende angeordnet ist.

IPC 8 full level

F22B 1/18 (2006.01); **F01D 25/30** (2006.01); **F22B 37/24** (2006.01); **F28F 9/02** (2006.01)

CPC (source: EP KR US)

F01D 25/30 (2013.01 - EP KR US); **F22B 1/18** (2013.01 - KR); **F22B 1/1815** (2013.01 - EP US); **F22B 37/24** (2013.01 - EP KR US); **F28F 9/02** (2013.01 - KR); **F28F 9/028** (2013.01 - EP US)

Citation (applicant)

- EP 1146285 B1 20060322 - NEM POWER SYSTEMS NIEDERLASSUN [DE]
- EP 0863364 A2 19980909 - ABB COMBUSTION ENGINEERING S P [IT]
- US 5555718 A 19960917 - ANDERSON DAVID K [US], et al

Citation (search report)

- [X] EP 0863364 A2 19980909 - ABB COMBUSTION ENGINEERING S P [IT]
- [XY] US 5555718 A 19960917 - ANDERSON DAVID K [US], et al
- [XY] WO 9931435 A1 19990624 - COMBUSTION ENG [US]
- [Y] EP 2026000 A1 20090218 - SIEMENS AG [DE]
- [Y] WO 9945321 A1 19990910 - SIEMENS WESTINGHOUSE POWER [US]
- [A] DE 19961540 A1 20001207 - KOREA HEAVY IND & CONSTRUCTION [KR]

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CN110118345A; EP3006683A1; US10323578B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2325559 A1 20110525; **EP 2325559 B1 20161228**; ES 2620775 T3 20170629; KR 101777431 B1 20170911; KR 20120123257 A 20121108; US 2012279596 A1 20121108; US 9291342 B2 20160322; WO 2011060935 A1 20110526

DOCDB simple family (application)

EP 09014442 A 20091119; EP 2010007014 W 20101118; ES 09014442 T 20091119; KR 20127013601 A 20101118; US 201013510765 A 20101118