

Title (en)

Burner for generating a hot gas

Title (de)

Brenner zur Erzeugung eines Heissgases

Title (fr)

Brûleur pour la génération d'un gaz chaud

Publication

EP 1217295 A3 20021120 (DE)

Application

EP 01129165 A 20011208

Priority

- DE 10065206 A 20001223
- DE 10120960 A 20010427

Abstract (en)

[origin: EP1217295A2] The double cone gas turbine burner (10) has a perforated front plate (14). A boundary layer (18') of fuel/air mixture is formed in front of this which forms a flame (20) after ignition. A shear layer boundary (21) prevents periodic release of heat and consequent thermoacoustic instabilities.

IPC 1-7

F23R 3/16; **F23D 14/46**; **F23C 7/00**

IPC 8 full level

F23C 7/02 (2006.01); **F23R 3/28** (2006.01)

CPC (source: EP US)

F23C 7/02 (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (search report)

- [AD] EP 0985877 A1 20000315 - ABB RESEARCH LTD [CH]
- [AD] EP 1002992 A1 20000524 - ABB RESEARCH LTD [CH]
- [A] WO 9906767 A1 19990211 - SIEMENS AG [DE], et al
- [A] EP 0849531 A2 19980624 - UNITED TECHNOLOGIES CORP [US]

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 1217295 A2 20020626; **EP 1217295 A3 20021120**; **EP 1217295 B1 20060823**; DE 50110801 D1 20061005; US 2002182553 A1 20021205; US 6773257 B2 20040810

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