

Title (en)

Burner assembly, gas turbine power plant comprising said burner assembly, and method for operating said burner assembly

Title (de)

Brenneranordnung, Gasturbinenkraftwerk mit der Brenneranordnung, und Verfahren zum Betrieb der Brenneranordnung

Title (fr)

Ensemble de brûleur, centrale à turbine à gaz comportant cet ensemble de brûleur et procédé de fonctionnement de cet ensemble de brûleur

Publication

EP 2472179 A1 20120704 (EN)

Application

EP 11192903 A 20111209

Priority

IT TO20101093 A 20101230

Abstract (en)

A burner assembly (9) for a gas turbine power plant (1) extends along a longitudinal axis (B) and comprises a premix burner (11) provided with: - a first supply channel (20) for supplying a first gas mixture; - a second supply channel (21) for supplying a second gas mixture; - an air flow channel (14), which is provided with an inner wall (18) and an outer wall (17); - a swirler (15) arranged along the air flow channel (14); - a plurality of first outlets (33) for supplying the first mixture; and - at least a second outlet (40, 44, 55) for supplying the second mixture; the second outlet (40, 44, 55) being arranged along the inner wall (18) of the air flow channel (14) at the outlet of the swirler (15).

IPC 8 full level

F23C 7/00 (2006.01); **F23R 3/14** (2006.01); **F23R 3/28** (2006.01); **F23R 3/36** (2006.01)

CPC (source: EP)

F23C 7/004 (2013.01); **F23R 3/14** (2013.01); **F23R 3/286** (2013.01); **F23R 3/36** (2013.01); **F23C 2900/07001** (2013.01); **F23D 2900/14021** (2013.01); **F23R 2900/00002** (2013.01)

Citation (applicant)

- EP 2161502 A1 20100310 - SIEMENS AG [DE]
- US 2007275337 A1 20071129 - HEILOS ANDREAS [DE], et al

Citation (search report)

- [XYI] US 5062792 A 19911105 - MAGHON HELMUT [DE]
- [X] US 2009111063 A1 20090430 - BOARDMAN GREGORY A [US], et al
- [X] US 2009025395 A1 20090129 - NILSSON ULF [GB], et al
- [YD] US 2007275337 A1 20071129 - HEILOS ANDREAS [DE], et al

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Designated contracting state (EPC)

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Designated extension state (EPC)

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