

Title (en)

METHOD FOR OPERATING A BURNER WITH STAGED PREMIX GAS INJECTION

Title (de)

VERFAHREN ZUM BETRIEB EINES BRENNERS MIT GESTUFTER VORMISCHGAS-EINDÜSUNG

Title (fr)

PROCEDE POUR L'EXPLOITATION D'UN BRULEUR A PREMELANGE AVEC INJECTION ETAGEE DE GAZ

Publication

**EP 1292795 A1 20030319 (DE)**

Application

**EP 01951833 A 20010613**

Priority

- DE 10029607 A 20000615
- DE 10062900 A 20001216
- IB 0101129 W 20010613

Abstract (en)

[origin: US2003152880A1] The present invention relates to a method of operating a burner, which comprises at least one first fuel supply conduit (5) with a first group of fuel outlet openings (6), essentially arranged in the direction of a burner longitudinal axis (3), for a first premix fuel quantity and one or a plurality of second-fuel supply conduits (7) with a second group of fuel outlet openings (8), essentially arranged in the direction of the burner longitudinal axis (3), for a second premix fuel quantity, it being possible to admit fuel to the second fuel supply conduits (7) independently of the first fuel supply conduit (5). In the method, both fuel supply conduits (5, 7) are operated with the same fuel. By means of the present method of operating a burner, optimum mixing conditions can be set even in the case of different loads, gas qualities or gas preheat temperatures.

IPC 1-7

**F23D 14/02**; **F23R 3/12**

IPC 8 full level

**F02C 9/26** (2006.01); **F23C 7/00** (2006.01); **F23C 99/00** (2006.01); **F23D 14/02** (2006.01); **F23D 14/24** (2006.01); **F23D 17/00** (2006.01); **F23R 3/12** (2006.01); **F23R 3/28** (2006.01); **F23R 3/32** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)

**F23C 7/002** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23R 3/286** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US); **F23D 2900/14021** (2013.01 - EP US)

Citation (search report)

See references of WO 0196785A1

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Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**US 2003152880 A1 20030814**; **US 6769903 B2 20040803**; AU 7268201 A 20011224; EP 1292795 A1 20030319; EP 1292795 B1 20050504; JP 2004507701 A 20040311; JP 4625609 B2 20110202; WO 0196785 A1 20011220

DOCDB simple family (application)

**US 31124803 A 20030411**; AU 7268201 A 20010613; EP 01951833 A 20010613; IB 0101129 W 20010613; JP 2002510872 A 20010613