

Title (en)

Burner for the operation of a heat generator

Title (de)

Brenner zum Betrieb eines Wärmeerzeugers

Title (fr)

Brûleur pour la mise en oeuvre d'un générateur de chaleur

Publication

EP 0919768 B1 20030205 (DE)

Application

EP 97810907 A 19971125

Priority

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Abstract (en)

[origin: EP0919768A1] The burner has a turbulence generator (100) followed by a transition piece (200) and a mixer pipe (20) upstream of the combustion chamber (30). The end of the mixer pipe coupled to the combustion chamber has a convex section with a given radius of curvature, followed by a concave section having a different radius of curvature.

IPC 1-7

F23D 11/40; **F23D 14/02**; **F23D 14/74**; **F23D 17/00**; **F23C 7/00**

IPC 8 full level

F23C 7/00 (2006.01); **F23D 11/40** (2006.01); **F23D 14/02** (2006.01); **F23D 14/74** (2006.01); **F23D 17/00** (2006.01)

CPC (source: EP US)

F23C 7/002 (2013.01 - EP US); **F23D 11/402** (2013.01 - EP US); **F23D 14/02** (2013.01 - EP US); **F23D 14/74** (2013.01 - EP US); **F23D 17/002** (2013.01 - EP US); **F23C 2900/07002** (2013.01 - EP US)

Cited by

DE10026122A1; DE10056243A1; US6688111B2

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AT CH DE FR GB LI

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EP 0919768 A1 19990602; **EP 0919768 B1 20030205**; AT E232282 T1 20030215; DE 59709281 D1 20030313; US 5954490 A 19990921

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EP 97810907 A 19971125; AT 97810907 T 19971125; DE 59709281 T 19971125; US 19611598 A 19981120