

Title (en)
BURNER-BOILER UNIT

Publication
EP 0233330 B1 19890405 (DE)

Application
EP 86115977 A 19861118

Priority
• DE 3601343 A 19860118
• DE 3608698 A 19860315

Abstract (en)
[origin: EP0233330A1] 1. Burner-boiler assembly comprising a mixing device (14) arranged at one end of a tubular combustion chamber (16), a fuel pressure source and a compressed air source (12) connected to the mixing device (14), a heat exchanger (35) encompassing the combustion chamber (16), wherein the combustion chamber (16) consists of a section (16a) confronted with the mixing device (14) and of a section (16b) averted from the mixing device, between both sections (16a and 16b), a constriction (33) is provided and the section (16a) of the combustion chamber (16) confronted with the mixing device (14) comprises a jacket cooled by the water of the heat exchanger (35), characterized in that the pressure of the compressed air source (12) is higher than about 15 mbar, and the section (16b) of the combustion chamber (16) averted from the mixing device (14) is separated from the heat exchanger (35) by a thermally insulating jacket (34).

IPC 1-7
F23D 14/20; **F24H 9/18**; **F23M 9/10**

IPC 8 full level
F23C 6/04 (2006.01); **F23D 11/00** (2006.01); **F23D 11/10** (2006.01); **F23D 11/40** (2006.01); **F23D 14/36** (2006.01); **F23K 5/14** (2006.01); **F23M 5/08** (2006.01); **F23N 1/02** (2006.01); **F24H 1/28** (2006.01)

CPC (source: EP)
F23C 6/045 (2013.01); **F23D 11/005** (2013.01); **F23D 11/107** (2013.01); **F23D 11/402** (2013.01); **F23D 14/36** (2013.01); **F23K 5/145** (2013.01); **F23M 5/08** (2013.01); **F23N 1/025** (2013.01); **F24H 1/285** (2013.01); **F23D 2900/11101** (2013.01)

Cited by
DE10331575B4; EP1002993A3; DE4001378A1; DE10205573B4; EP1342950A3; FR2871553A1; DE10144408B4; DE10144407B4; EP1291579A3; WO2006091061A1; WO9200490A1

Designated contracting state (EPC)
FR GB NL SE

DOCDB simple family (publication)
DE 3608698 A1 19870723; **DE 3608698 C2 19900503**; EP 0233330 A1 19870826; EP 0233330 B1 19890405

DOCDB simple family (application)
DE 3608698 A 19860315; EP 86115977 A 19861118