

Title (en)
BOILER FOR WOOD WITH A PREHEATING CHAMBER FOR THE FUEL

Publication
EP 0152317 B1 19880831 (FR)

Application
EP 85400093 A 19850118

Priority
FR 8401083 A 19840118

Abstract (en)
[origin: EP0152317A1] 1. Combustion device of the closed furnace type, comprising a fuel reserve (16) located above a grate and a chamber (15) for preheating combustion air, the cavity of the said chamber being delimited by a hearth (17) surrounding the grate (12), by the said grate (12) and by a base wall (6), the said chamber being provided with an inlet (30) for ambient air, characterized : in that the said preheating chamber (15) is located below the said fuel reserve (16), by a tube (11) arranged below the said grate (12) and passing from top to bottom and through the centre of the said preheating chamber (15), the said preheating chamber consequently having an approximately annular shape, and by a triple plurality of hot combustion air outlets, a first plurality of outlets being composed of passages (10) through the hearth (17), a second plurality of outlets being composed of ducts (13) opening out at the periphery of the hearth (17) at a certain height above it and a third plurality of outlets (31) being located in the vicinity of the downstream or lower end of the tube (11).

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IPC 8 full level
F23G 7/10 (2006.01); **F24B 5/02** (2006.01); **F24H 1/22** (2006.01); **F24H 1/34** (2006.01)

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F23B 1/16 (2013.01); **F23B 1/36** (2013.01); **F23B 7/005** (2013.01); **F23G 7/105** (2013.01); **F24B 5/023** (2013.01)

Cited by
US5148798A; DE29707032U1; EP1340943A3; ITPS20100001A1; DE3617146C1; US4884630A; DE3742578A1; EP0257858A3; FR2592944A1; EP0483877A3; US5137009A; EP1340943A2; EP0251392B1

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