

Title (en)
Central heating boiler.

Title (de)
Zentralheizungskessel.

Title (fr)
Chaudière de chauffage central.

Publication
EP 0016915 A1 19801015 (DE)

Application
EP 80100405 A 19800126

Priority
• DE 2910409 A 19790316
• DE 7909757 U 19790404

Abstract (en)
1. A central heating boiler made of sheet steel, with a flame deflector pot (5) towards the rear of a cylindrical combustion chamber (2) lying on its side, and with a hot gas duct (7) consisting of the space between the flame deflector pot (5) and the wall (1) of the combustion chamber (2), whereby there are no structural elements in the hot gas duct, and such that the hot gas duct leads into a further hot gas duct (8) forming an axial extension of the combustion chamber (2).

Abstract (de)
Zentralheizungskessel für die Befeuerung mit einem Gebläsebrenner mit einem liegenden, zylindrischen Brennraum (2), in dessen hinteren Bereich ein Flammenumkehrtopf (5) eingebaut ist. Nach der Umkehrung durchströmen die Heizgase einen ringzylindrischen Heizgaszug (7) und einen hinter dem Brennraum liegenden Nachschaltzug (8).

IPC 1-7
F24H 1/28; F24H 1/44

IPC 8 full level
F24H 1/28 (2006.01); **F24H 1/44** (2006.01)

CPC (source: EP)
F24H 1/26 (2013.01); **F24H 1/287** (2013.01); **F24H 1/40** (2013.01); **F24H 1/44** (2013.01)

Citation (search report)
• CH 518503 A 19720131 - BURGER EISENWERKE AG [DE]
• DE 1909126 A1 19700910 - BURGER EISENWERKE AG
• DE 2824185 A1 19791206 - ROENTGEN & CO
• FR 2374598 A1 19780713 - BROTJE AUGUST [DE]
• DE 2110178 A1 19720921

Cited by
EP0503146A1; FR2567629A1; EP0313837A1; DE4107947C1; EP0321667A1

Designated contracting state (EPC)
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