

Title (en)

Combustion chamber for heating boilers.

Title (de)

Brennkammer für Heizkessel.

Title (fr)

Chambre de combustion pour chaudières de chauffage.

Publication

EP 0061617 A1 19821006 (DE)

Application

EP 82101894 A 19820310

Priority

DE 8109009 U 19810327

Abstract (en)

1. Combustion chamber for heating boilers, in particular for oil fired heating boilers, comprising at least one section, which partly or wholly surrounds the flame, which is formed by base and wall elements (1), and to the end faces of which further similar sections can be added to from a lengthened or enlarged combustion chamber, characterised in that the section or the sections are constructed as mutually interchangeable plate elements (1) which are substantially rectangular in plan view and which each have tongues (6) or lugs on the one hand and cut-outs (5) on the other hand at two oppositely disposed edges, with the cut-outs having approximately the same width as the tongues (6) or lugs and lying opposite thereto in such a way that the tongues (6) of one plate element (1) can be plugged into the corresponding cut-outs (5) of the adjacent plate element inside the respective section.

Abstract (de)

Die Brennkammer wird aus untereinander austauschbaren, gleichartigen, im wesentlichen rechteckigen Plattenelementen (1) zusammengesetzt, welche vorzugsweise aus einem keramischen Fasermaterial bestehen. Dieses Material ist bei sehr geringem Gewicht verleichsweise bruchsicher, so daß der Transport sowie die Installation der Brennkammer vereinfacht und kostengünstig ausgeführt werden können. Bei dreiecksartigem Querschnitt ist eine selbsttragende Anordnung der Brennkammer ohne weiteres möglich.

IPC 1-7

F23M 5/00; **F24B 13/02**; **F24H 9/00**

IPC 8 full level

F23M 5/00 (2006.01); **F24B 13/02** (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)

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Citation (search report)

- DE 13169 C
- BE 570739 A
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AT BE CH DE FR GB IT LI NL SE

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EP 0061617 A1 19821006; **EP 0061617 B1 19850529**; AT E13586 T1 19850615; DE 3263852 D1 19850704; DE 8109009 U1 19811210

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