

Title (en)  
Boiler

Title (de)  
Heizkessel

Title (fr)  
Chaudière

Publication  
**EP 0662591 B1 19980527 (DE)**

Application  
**EP 94116131 A 19941013**

Priority  
DE 4400481 A 19940111

Abstract (en)  
[origin: EP0662591A1] The heating boiler has a combustion chamber (44) with a burner aperture (26) and a flue gas aperture (28). A water chamber (36) is thermically connected to the combustion chamber. It has a forward flow connection and a return flow connection for the heating circuit. The combustion chamber is a hollow sphere. The boiler has two halves (12) pivotable or displaceable against one another, whose hemispherical inner surfaces supplement the combustion chamber and in whose walls water pipes (30) are embedded through which there is a forced flow, forming the water chamber. The boiler halves are aluminium press castings with moulded-in water pipes of refined steel.

IPC 1-7  
**F24H 1/26**; **F24H 1/40**

IPC 8 full level  
**F24H 1/26** (2006.01); **F24H 1/40** (2006.01)

CPC (source: EP)  
**F24H 1/40** (2013.01); **F24H 1/403** (2013.01)

Cited by  
DE102008060413A1; US6315037B1; WO9850748A1

Designated contracting state (EPC)  
AT CH DE ES FR GB IT LI

DOCDB simple family (publication)  
**EP 0662591 A1 19950712**; **EP 0662591 B1 19980527**; AT E166712 T1 19980615; DE 4400481 A1 19950713; DE 59406081 D1 19980702; ES 2118293 T3 19980916

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**EP 94116131 A 19941013**; AT 94116131 T 19941013; DE 4400481 A 19940111; DE 59406081 T 19941013; ES 94116131 T 19941013