

Title (en)  
Boiler

Title (de)  
Kessel

Title (fr)  
Chaudière

Publication  
**EP 0831280 A2 19980325 (EN)**

Application  
**EP 97200361 A 19970210**

Priority  
NL 1004086 A 19960920

Abstract (en)  
A boiler with a reservoir (1) and a heating element (3) provided with a guard (12) in the reservoir (1) which screens the heating element (3) at a slight distance therefrom and defines an interspace (13) between the guard (12) and the wall (5) of the heating element (3). The interspace (13) communicates directly with the rest of the interior (2) of the reservoir (1) via passages (14) distributed over the guard (12). The guard constitutes a guide which guides water along the wall, resulting in an intensive, cooling flow along the heating element. As a result, boiling phenomena and lime deposition against the heating element are prevented. The interspace communicates directly with the rest of the interior space of the reservoir, without necessitating an extensive duct system. <IMAGE>

IPC 1-7  
**F24H 1/20**

IPC 8 full level  
**F24H 1/20** (2006.01)

CPC (source: EP)  
**F24H 1/205** (2013.01)

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