

Title (en)  
Heating boiler casing

Title (de)  
Heizkesselgehäuse

Title (fr)  
Enveloppe d'une chaudière de chauffage

Publication  
**EP 0825393 A3 19990512 (DE)**

Application  
**EP 97113208 A 19970731**

Priority  
• DE 19632028 A 19960808  
• DE 19721744 A 19970524

Abstract (en)  
[origin: EP0825393A2] The return flow connection (4) is mounted with a return flow distributor pipe (R) on the housing (1) off-centre in the upper area of the housing away from the centrally mounted header connection (3). In the area underneath the distributor pipe (R) are several stacked flow guide webs (8) set between the outer housing wall (1') and adjoining wall which is biased by the hot gases, The flow guide webs are associated with each other so that they form injectors (9) directed against the outside wall of the housing whereby the distributor openings (10) on the distributor pipe (R) are directed into the area between the flow guide webs and the housing wall. The bottom web can be slightly concave relative to the return flow direction and those above are slightly convex.

IPC 1-7  
**F24H 9/12**; **F24H 9/00**

IPC 8 full level  
**F24H 9/00** (2006.01); **F24H 9/12** (2006.01)

CPC (source: EP)  
**F24H 9/0036** (2013.01); **F24H 9/13** (2022.01)

Citation (search report)  
• [AD] EP 0575755 A1 19931229 - BUDERUS HEIZTECHNIK GMBH [DE]  
• [A] DE 3832323 A1 19900329 - OMNICAL GMBH [DE]  
• [A] DE 3015377 A1 19811029 - WOLF KLIMATECHNIK GMBH [DE]  
• [X] FR 1468697 A 19670210 - CONST DE VAUX ANDIGNY ATEL  
• [X] CH 496930 A 19700930 - YGNIS SA [CH]  
• [A] EP 0693661 A1 19960124 - BUDERUS HEIZTECHNIK GMBH [DE]

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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