

Title (en)  
BOILER FOR HOT WATER HEATING

Publication  
**EP 0025769 A3 19810513 (DE)**

Application  
**EP 80710021 A 19800911**

Priority  
DE 2936631 A 19790911

Abstract (en)  
[origin: EP0025769A2] In a boiler for hot water heating systems, the combustion chamber is surrounded by a water jacket which is connected to a heating system return run and a heating system forward run. A jet (9) from a burner projects into the combustion chamber, which is surrounded in the manner of a sleeve or passed through by a water jacket with openings which is connected to an inward pipe (24) for water to be heated and an outward pipe (23) for hot water. This water jacket around the jet (9) can consist of a spiral pipe which tapers conically towards the burner. The inward pipe (24) is connected on the one hand to a fresh water feeder (38) and on the other hand to the water jacket (4) surrounding the combustion chamber and to the heating system return run (2) respectively. The outward pipe (23) is connected to the water jacket (4) of the combustion chamber and the heating system forward run (3) respectively or to a hot water utiliser (32). <IMAGE>

IPC 1-7  
**F24H 1/44**; **F24H 1/43**; **F24H 1/32**; **F24H 9/18**

IPC 8 full level  
**F24H 1/32** (2006.01); **F24H 1/43** (2006.01); **F24H 1/44** (2006.01); **F24H 9/18** (2006.01)

CPC (source: EP)  
**F24H 1/26** (2013.01); **F24H 1/32** (2013.01); **F24H 1/43** (2013.01); **F24H 1/44** (2013.01); **F24H 9/1836** (2013.01)

Citation (search report)

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**EP 0025769 A2 19810325**; **EP 0025769 A3 19810513**; DE 2936631 A1 19810312

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