

Title (en)
A HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ECHANGEUR THERMIQUE

Publication
EP 0731899 B1 20000329 (EN)

Application
EP 95902256 A 19941125

Priority
• IE 9400057 W 19941125
• IE 930900 A 19931125

Abstract (en)
[origin: WO9514895A1] A condensing boiler (1) comprises a heat exchanger (5) having a cylindrical first heat exchange wall (6) surrounded by an outer water chamber (10). A plug (17) extends into the first heat exchange wall (6) and forms a combustion chamber (22) and an annular downwardly extending flue gas passageway (23) for accommodating flue gases from the combustion chamber (22). The plug (17) comprises an outer shell (18) which forms a second heat exchange wall (19) and an inner cylindrical shell (35) which forms with the outer shell (18) an inner water chamber (36). A connecting pipe (46) connects the inner water chamber (36) to the outer water chamber (10) so that water flows in series through the inner water chamber (36) and the outer water chamber (10) from a return water inlet (42) in the inner water chamber (36) to a flow water outlet (16) from the outer water chamber (10).

IPC 1-7
F24H 1/28; **F24H 9/00**

IPC 8 full level
F24H 1/28 (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)
F24H 1/282 (2013.01); **F24H 9/0015** (2013.01); **F24H 9/0026** (2013.01)

Cited by
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WO 9514895 A1 19950601; AT E191272 T1 20000415; AU 1118395 A 19950613; DE 69423779 D1 20000504; EP 0731899 A1 19960918; EP 0731899 B1 20000329

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