

Title (en)
Boiler with inverted burner

Title (de)
Heizkessel mit Sturzbrenner

Title (fr)
Chaudière avec brûleur inversé

Publication
EP 0981024 B1 20040121 (DE)

Application
EP 99115548 A 19990806

Priority
DE 29814868 U 19980819

Abstract (en)
[origin: EP0981024A2] The boiler has a water jacket (2) connected to outward and return lines (3, 4), a combustion chamber in the upper region of the jacket, a burner connected to the combustion chamber, and at least one heating tube (5) taken out through the jacket, connected to a gas line and with several smoke gas line inserts (7). The heating tube goes out upwards above the water jacket. Its top sector forms the combustion chamber. The head burner (6) is fitted downwards to the top end of the heating tube.

IPC 1-7
F23D 14/30; **F23M 9/00**

IPC 8 full level
F23D 14/30 (2006.01); **F23M 9/00** (2006.01); **F24H 1/26** (2006.01); **F24H 9/00** (2006.01)

CPC (source: EP)
F24H 1/26 (2013.01); **F24H 9/0026** (2013.01)

Cited by
EP1748264A1; FR2889295A1; EP1674805A1; EP2012073A1

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AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
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EP 99115548 A 19990806; AT 99115548 T 19990806; CN 99111207 A 19990809; DE 29814868 U 19980819; DE 59908349 T 19990806; ES 99115548 T 19990806