

Title (en)
Heater

Title (de)
Heizkessel

Title (fr)
Chaudière

Publication
EP 0628774 B1 19970903 (DE)

Application
EP 94108749 A 19940608

Priority
• DE 9308701 U 19930611
• DE 9308702 U 19930611
• DE 9311128 U 19930728

Abstract (en)
[origin: EP0628774A1] The invention relates to a heater (heating boiler), comprising a water-carrying housing which is penetrated by a flue (4) reaching through the housing (8) and carrying the heating gases, and said flue being of double-walled construction and the inner wall (1) being provided with longitudinal ribs (9) directed radially inwards. In order to be able to manufacture such a boiler with a minimum of welding work on the flue (4) and the inner wall (1), said flue is constructed according to the invention in such a way that the flue-side rib interstices (2) of the inner wall (1), which is folded to form the longitudinal ribs (9) or formed from u-sections, are covered at their two end regions (1') with weld seams (3) which are very short in relation to the overall length of the inner wall, connect the foot regions of the rib interstices (2) and do not project beyond the outer circumferential surface of the inner wall (1), and that the flue (4) encloses the inner wall (1) in a cold-stressed manner, bearing against the latter.
<IMAGE>

IPC 1-7
F24H 9/00; F24H 1/26; F28F 1/40

IPC 8 full level
F24H 1/26 (2006.01); **F24H 9/00** (2006.01); **F28F 1/40** (2006.01)

CPC (source: EP)
F24H 1/263 (2013.01); **F24H 9/0026** (2013.01)

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL

DOCDB simple family (publication)
EP 0628774 A1 19941214; **EP 0628774 B1 19970903**; AT E157762 T1 19970915; DE 59403931 D1 19971009

DOCDB simple family (application)
EP 94108749 A 19940608; AT 94108749 T 19940608; DE 59403931 T 19940608