

Title (en)
HEATING BOILER FOR COMBUSTION OF FLUID OR GASEOUS FUELS

Publication
EP 0345683 B1 19911016 (DE)

Application
EP 89110107 A 19890604

Priority
• DE 3819072 A 19880604
• DE 3831238 A 19880914

Abstract (en)
[origin: EP0345683A2] The heating boiler is intended for the combustion of liquid or gaseous fuels and consists of a water-bearing housing (13) with a cylindrical firing space (6), in which a pot-like combustion chamber (2) is arranged in the free space between the end edges (3) of ribs (4) which extend at least partially over the length of the firing space along the water-cooled firing-space wall (11) and are connected to this wall in a heat-conducting manner and which divide the annularly cylindrical heating-gas flue (14) into individual channels (14). To ensure that such a heating boiler emits waste gases of reduced NOX, the wall (1) of the combustion chamber (2) to be pushed in is press-connected in a heat-conducting manner to all the machined end edges (3) of the longitudinal ribs (4). The diameter (D1) of the combustion chamber (2) is kept somewhat larger than the distance (D) between the machined rib edges (3), and furthermore the wall (1) of the combustion chamber (2) is formed from at least two ribs (17) which, when arranged next to one another, correspond to the length (L) of the combustion chamber. <IMAGE>

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F24H 1/26

IPC 8 full level
F24H 1/26 (2006.01)

CPC (source: EP)
F24H 1/263 (2013.01)

Cited by
RU171812U1; AT406518B; RU187963U1

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EP 0345683 A2 19891213; EP 0345683 A3 19901212; EP 0345683 B1 19911016; DE 58900373 D1 19911121

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