

Title (en)

Method of combustion in combustion apparatuses and combustion apparatus

Title (de)

Verfahren zum Betreiben der Verbrennung in Feuerungsanlagen und eine Feuerungsanlage

Title (fr)

Méthode pour combustion dans des appareils de combustion et un appareil de combustion

Publication

EP 0663563 B1 19990310 (DE)

Application

EP 94119330 A 19941207

Priority

DE 4400686 A 19940112

Abstract (en)

[origin: EP0663563A1] The boiler (1) is fired by a burner (2) for liquid or gas fuels. The escaping flue gases pass from the combustion chamber (5) between the walls of outer and inner water-cooled heat exchangers (6, 12), thence past the outside of the combustion chamber. Before they reach the regions between the heat exchangers, the flue gases first circulate in another heat-exchanging space (15) inside the inner exchanger and then, a portion of the flue gases is returned to the burner flame roots through openings (4) in the flame tube (3). The heat-exchanging spaces have devices to increase turbulence like seams, rings, disks, etc.

IPC 1-7

F23C 9/00; **F22B 7/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

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