

Title (en)

Water tube boiler.

Title (de)

Wasserrohrkessel.

Title (fr)

Chaudière à tubes d'eau.

Publication

EP 0502220 B1 19940608 (DE)

Application

EP 91103143 A 19910302

Priority

EP 91103143 A 19910302

Abstract (en)

[origin: EP0502220A1] In a steam boiler having a plurality of passes (3, 4, 15) and a DeNOx unit in the form of a catalyst (14) and an NH₃ injection device for reducing the NO_x contents in the smoke gas, the catalyst (14) is arranged upstream of the last pass (15), as viewed in the direction of flow of the smoke gases, in a boiler section where the smoke gases are taken downwards. The boiler section upstream of the catalyst (14) is constructed as a smoke tube pass (4). At least one of the smoke tubes (6) forming this smoke tube pass has a diameter greater than that of the other smoke tubes (5) of this pass. The passage cross-section of this smoke tube (6) is controllable by means of a throttle plate (9). This passage cross-section can be enlarged with falling smoke gas temperature. <IMAGE>

IPC 1-7

F23J 15/00; **F22B 37/00**

IPC 8 full level

F22B 37/00 (2006.01); **F23J 15/02** (2006.01)

CPC (source: EP)

F22B 37/008 (2013.01); **F23J 15/02** (2013.01)

Cited by

CN104110672A; EP0634579A1; US5697403A; DE19606135A1; DE19606135C2

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