

Title (en)
Burner with flame tube

Title (de)
Brenner mit Flammen-Brennrohr

Title (fr)
Brûleur avec tube foyer

Publication
EP 0562323 B1 19970521 (DE)

Application
EP 93103452 A 19930304

Priority
DE 4209734 A 19920325

Abstract (en)
[origin: EP0562323A2] 2.1 In known burners with so-called hot flame tubes or corresponding ceramic combustion chambers, operating temperatures of up to 1080 DEG C are reached, the burning out of the particles and also the CO being reduced but not the NOx values. A NOx reduction is only possible with considerable construction outlay. 2.2 It is proposed, to provide a water-cooled flame tube (2) of a burner (1), its water cooling (4) being connected to the water-cooled burner housing. In the connection of a burner (1) to a heat exchanger or heating boiler (3), its water system can be utilised for the water cooling (4) of the flame tube (2). <IMAGE>

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F23B 3/00; **F23M 5/08**; **F24H 9/14**

IPC 8 full level
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