

Title (en)  
DEVICE FOR HEAT TREATMENT

Title (de)  
VORRICHTUNG ZUR WÄRMEBEHANDLUNG

Title (fr)  
DISPOSITIF DE TRAITEMENT THERMIQUE

Publication  
**EP 0858574 B1 20000426 (DE)**

Application  
**EP 96927710 A 19960809**

Priority  
• AT 138095 A 19950816  
• EP 9603533 W 19960809

Abstract (en)  
[origin: WO9707362A1] A device for the heat treatment of a material, which device has a kiln chamber (2) for the heat treatment material and at least one preferably cylindrical heating furnace (4a, 4b) arranged on the upper surface of the kiln chamber (2) and in which at least one burner (12a, 12b) is provided for producing fuel gas which is fed in a substantially tangential manner into the heating furnace (4a, 4b) with the result that a downwardly directed, whirling fuel gas flow forms inside the heating furnace (4a, 4b), and a fuel gas flow with a slightly frustoconical boundary forms below each heating furnace (4a, 4b) in the kiln chamber (2), wherein respective means (23a, 23b) for determining the temperature of the fuel gas is associated with each heating furnace (4a, 4b), and this means (23a, 23b) is arranged inside the cone (13a, 13b) of fuel gas of only this particular heating furnace (4a, 4b).

IPC 1-7  
**F23C 3/00**; **F23C 7/06**; **F27D 19/00**; **C21D 1/52**

IPC 8 full level  
**C21D 1/52** (2006.01); **F23C 3/00** (2006.01); **F23C 7/06** (2006.01); **F23M 5/08** (2006.01); **F27B 17/00** (2006.01); **F27D 19/00** (2006.01)

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