

Title (en)  
FURNACE FOR THE THERMAL TREATMENT OF GRANULAR OR FINE SIZED MATERIAL

Publication  
**EP 0008667 B1 19810513 (DE)**

Application  
**EP 79102695 A 19790730**

Priority  
DE 2836162 A 19780818

Abstract (en)  
[origin: US4252521A] A furnace is disclosed for the heat treatment of mainly lumpy to fine grained material. The furnace is either a shaft furnace or a rotary furnace for the calcination or sintering of limestone, dolomite or magnesite. The calcination material passes through a preheating zone, a calcination zone and a cooling zone. The calcination zone has a gas feed and gas withdrawal device. A calcination device is provided in the calcination zone to which is connected a gas conveying device for the production of a hot gas circulation. The hot gas circulation device is situated between the gas withdrawal device and the calcination device and is provided as a conveying blower subjected to a cooling liquid.

IPC 1-7  
**F27B 1/06**; **F27D 7/04**; **C04B 1/02**; **F01D 5/08**

IPC 8 full level  
**C04B 2/12** (2006.01); **B01J 6/00** (2006.01); **F01D 5/08** (2006.01); **F27B 1/00** (2006.01); **F27B 1/06** (2006.01); **F27D 7/00** (2006.01); **F27D 7/04** (2006.01)

CPC (source: EP US)  
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