

Title (en)  
METHOD FOR THE COMBUSTION OF BURNABLE MATERIAL, AND COMBUSTION CHAMBER FOR THE COMBUSTION OF THE FLUE GASES

Publication  
**EP 0127746 B1 19880615 (DE)**

Application  
**EP 84103837 A 19840406**

Priority  
DE 3312863 A 19830409

Abstract (en)  
[origin: US4561363A] Combustible gases produced by pyrolysis of combustible material undergo partial combustion in a combustion chamber to which air is admitted in substoichiometric quantity ratio, at a temperature of about 800 DEG C. A gas duct leading out of the combustion chamber and passing partly or all the way across the combustion chamber with one or more openings for entrance of the combustible gas is supplied with additional air in at least stoichiometric quantity ratio, with the result that complete combustion of the combustible gas takes place within the duct as the gases pass out of the combustion chamber, at a temperature of about 1100 DEG C., producing a flame jet that can be used to heat an adjacent boiler, heat exchanger, or the like.

IPC 1-7  
**F23G 7/06**

IPC 8 full level  
**F23G 5/44** (2006.01); **F23G 5/027** (2006.01); **F23G 7/06** (2006.01)

CPC (source: EP US)  
**F23G 5/027** (2013.01 - EP US)

Citation (examination)  
EP 0064589 A1 19821117 - BASIC J N SEN

Cited by  
US5569031A; US5997277A; EP0155607A1; DE3409292A1; WO8504236A1; WO9721959A1; WO9312382A1

Designated contracting state (EPC)  
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DOCDB simple family (application)  
**US 59667884 A 19840404**; AT 84103837 T 19840406; DE 3312863 A 19830409; EP 84103837 A 19840406; JP 6927684 A 19840409; MW 884 A 19840404; ZA 842563 A 19840405