

Title (en)  
GRATE BAR INCINERATION FOR REFUSE DESTRUCTION

Publication  
**EP 0288597 B1 19910206 (DE)**

Application  
**EP 87110535 A 19870721**

Priority  
DE 3716082 A 19870425

Abstract (en)  
[origin: EP0288597A1] For grate firing, a grate bar (1) with a web (8) is illustrated, on which air ducts (3) and (4) are arranged, through which the combustion air for the combustion of domestic refuse, domestic-like and pasty waste material is supplied. By means of the air nozzles or air slots (5) and (6), the combustion air is supplied horizontally for the combustion of refuse or the like. The ribs (11) and (12) serve to cool the grate bars (1), the combustion air flowing through being heated. The sliding surfaces (9) and (10) or (13) are likewise cooled by the forcibly conducted combustion air in the ducts (3) and (4). By means of rod anchors in the bores (7) provided in the grate bars, by locking or screwing of the individual grate bars (1), these are joined together to form a closed plane grate surface, without a gap between the individual grate bars. <IMAGE>

IPC 1-7  
**F23G 5/00**; **F23H 3/02**

IPC 8 full level  
**F23G 5/00** (2006.01); **F23H 3/02** (2006.01); **F23L 1/02** (2006.01)

CPC (source: EP)  
**F23G 5/002** (2013.01); **F23H 3/02** (2013.01); **F23L 1/02** (2013.01)

Cited by  
EP0499912A3; DE102004034322A1; DE102004034322B4; DE102004032291A1; DE102004032291B4; EP0458108A3; US5197397A; DE19860553A1; DE19860553C2; DE3913885A1; WO2005114051A3; US7624690B2; US7448331B2

Designated contracting state (EPC)  
AT BE CH FR IT LI NL SE

DOCDB simple family (publication)  
**EP 0288597 A1 19881102**; **EP 0288597 B1 19910206**; AT E60832 T1 19910215

DOCDB simple family (application)  
**EP 87110535 A 19870721**; AT 87110535 T 19870721