

Title (en)
GRATE FOR COMBUSTION CHAMBERS BURNING SOLID OR PASTY FUEL

Publication
EP 0205658 B1 19890524 (DE)

Application
EP 85114410 A 19851113

Priority
DE 8517925 U 19850620

Abstract (en)
[origin: EP0205658A2] 1. A feed grating for combustion chambers for the firing of solid or pasty fuels, characterized in that to form a closed grating plane impermeable to fuel and ash, a plurality of plates (1-5) lying substantially horizontally in a row are superposed one above the other staircase-fashion, the top plate being disposed at the filling side end of the combustion chamber (6) ; the odd plates (1, 3, 5) in the row and the even plates (2, 4) each being combined with one another to form a pack, the plates of both packs being offset in the direction of the row by the same horizontal amount between their front edges ; at least one of the packs is mounted to be displaced in the direction of the row and is coupled to a controllable driving device (10 ; 12) whose travel can be varied, the two packs being displaceable in relation to one another as far as the horizontal amount of offsetting of the plate front edges ; and the plates of at least one of the packs consist of hollow boxes (13, 15) which are connected to an air supply line (9 ; 11) and whose upper walls (13) are formed with a plurality of small, nozzle-like air discharge holes (14) distributed over the box surface.

IPC 1-7
F23H 7/08

IPC 8 full level
F23H 7/08 (2006.01)

CPC (source: EP)
F23H 7/08 (2013.01)

Cited by
GB2321099A; DE4105330C1; US5245983A; EP0499912A3; WO0181828A1

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

DOCDB simple family (publication)
EP 0205658 A2 19861230; EP 0205658 A3 19870513; EP 0205658 B1 19890524; AT E43431 T1 19890615; DE 3570510 D1 19890629; DE 8517925 U1 19861016; JP S61295412 A 19861226

DOCDB simple family (application)
EP 85114410 A 19851113; AT 85114410 T 19851113; DE 3570510 T 19851113; DE 8517925 U 19850620; JP 8724986 A 19860417