

Title (en)
Grate for a furnace

Title (de)
Rost für eine Feuerungsanlage

Title (fr)
Grille pour un foyer

Publication
EP 0757206 A3 19990127 (DE)

Application
EP 96810481 A 19960723

Priority
DE 19528310 A 19950802

Abstract (en)
[origin: EP0757206A2] The grid plates (3,4) have openings or slots (8) for feeding in primary air. The back ends of the plates are connected to a fixed or movable support (6). The front ends of the plates rest on the adjacent grid plate. The grid plates in one row are joined by connections so that adjacent plates can move to a limited extent in a longitudinal direction, and can swivel in relation to their support. The undersides of the grid plates have cooling ducts (9) between the openings or slots and formed by the grid plates themselves and by the hollow profiles (10) on the grid plates. The cooling ducts run parallel with the grid longitudinal direction and are in series or sinusoidal.

IPC 1-7
F23H 3/02; **F23H 7/08**

IPC 8 full level
F23H 3/02 (2006.01); **F23H 7/08** (2006.01); **F23H 17/12** (2006.01)

CPC (source: EP KR US)
F23H 3/02 (2013.01 - EP KR US); **F23H 7/08** (2013.01 - EP US); **F23H 17/12** (2013.01 - EP US); **F23H 2900/03021** (2013.01 - EP KR US)

Citation (search report)

- [Y] WO 9518333 A1 19950706 - DOIKOS INVESTMENTS LTD [GB], et al
- [Y] BE 431291 A
- [A] DE 9416320 U1 19950112 - NOELL ABFALL & ENERGIETECH [DE]
- [A] US 1456521 A 19230529 - MORRIS HENRY F

Cited by
EP0919771A3; CN103154615A; EP2034243A1; EP0811803A3; EP2362144A1; DE19943665B4; EA016515B1; DE19881971B4; EP0921354A1; WO2012012909A2; EP0972989A1; EP2003396A2; EP1085264A1; WO2009034509A1; WO2012012909A3; EP0981021A1; US6332410B1; DE19648128A1; US5913274A; DE19648128C2; EP0844438A3; EP4067744A1; WO2009023977A3; WO9932830A1; WO2018166587A1

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

DOCDB simple family (publication)
EP 0757206 A2 19970205; **EP 0757206 A3 19990127**; **EP 0757206 B1 19991201**; AT E187238 T1 19991215; CN 1151003 A 19970604; DE 19528310 A1 19970206; DE 59603761 D1 20000105; DK 0757206 T3 20000529; JP H09112872 A 19970502; KR 970011566 A 19970327; NO 307152 B1 20000214; NO 963215 D0 19960801; NO 963215 L 19970203; US 5724898 A 19980310

DOCDB simple family (application)
EP 96810481 A 19960723; AT 96810481 T 19960723; CN 96109978 A 19960730; DE 19528310 A 19950802; DE 59603761 T 19960723; DK 96810481 T 19960723; JP 20372396 A 19960801; KR 19960018031 A 19960527; NO 963215 A 19960801; US 68877596 A 19960731