

Title (en)

ASH PIT FOR A FIREPLACE OF A BOILER WITH AN EASY-TO-CLEAN ASH EXTRACTION BOX

Publication

EP 0326442 B1 19901227 (FR)

Application

EP 89400043 A 19890106

Priority

FR 8801054 A 19880129

Abstract (en)

[origin: JPH01230914A] PURPOSE: To obtain an ashbox for hearth which can effectively remove clogging, by constituting the ashbox of a fixed part containing an inclined wall and the upper edge of a chamber and a tilting part containing a recessed bottom and a scraper blade, and opening a vertical passage against an ash well at the opened position and closing the chamber at the closed position. CONSTITUTION: When clogging occurs, a scraper blade 14 is returned to the farthest position from the generator 19 positioned at connecting position of a bottom 13 with an inclined wall 11b and fingers 15c are locked between a contacting member 20 and a ram-operated plunger 21 by extending the plunger 21. When a chamber 3 is opened by gradually extending a ram 16 thereafter, the side of the lower part of a clinker receiver 2 facing a tilting part 12 slightly tilts from the vertical direction and expanded downward from the tilting part 12. After clogging materials are removed, the tilting part 12 and a fixed part 11 are put together along dihedral sealing surfaces 18 and 18' by retreating the ram 16. Then a hook is engaged with the lower part of a projecting section by extending the ram of a locking means 18c and the water level in the chamber 3 is returned to a normal level.

IPC 1-7

F23J 1/02

IPC 8 full level

F23J 1/02 (2006.01)

CPC (source: EP US)

F23J 1/02 (2013.01 - EP US); **F23J 2900/01021** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE CH DE ES GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0326442 A1 19890802; EP 0326442 B1 19901227; AT E59454 T1 19910115; CA 1316763 C 19930427; DE 68900021 D1 19910207; ES 2020610 B3 19910816; FR 2626656 A1 19890804; FR 2626656 B1 19900713; GR 3001338 T3 19920831; JP H01230914 A 19890914; JP H0617739 B2 19940309; US 4884515 A 19891205

DOCDB simple family (application)

EP 89400043 A 19890106; AT 89400043 T 19890106; CA 587882 A 19890110; DE 68900021 T 19890106; ES 89400043 T 19890106; FR 8801054 A 19880129; GR 910400045 T 19910117; JP 1782489 A 19890130; US 30135689 A 19890125