

Title (en)

AUXILIARY APPARATUS FOR DISCHARGING COMBUSTION RESIDUES OF BURNING INSTALLATIONS, PARTICULARLY REFUSE INCINERATORS

Publication

EP 0186731 A3 19870114 (DE)

Application

EP 85110799 A 19850828

Priority

CH 435884 A 19840912

Abstract (en)

[origin: US4625660A] An auxiliary apparatus with a trough or tank, to which the incineration residues are supplied by means of a drop shaft, a movable piston for moving the incineration residues from the trough to a discharge chute and at least one opening for inspecting and maintaining the trough arranged in a side wall at the latter and provided with a door. A plate, which can be inserted through the opening in the trough, is positioned in front of the front face of the piston. The plate is held on the chute walls by locking devices and is supported on the piston by adjusting mechanisms. The front face of the plate assembled from two parts is, for the same width, twice as high as the front face of the piston. The adjusting mechanisms are constructed as an adjustable arrangement of push rods or as pneumatic or hydraulic lift cylinders. The locking devices are constructed as automatic clamping devices or as brake linings which can be pressed against the wall, or they comprise a rail arranged on the wall and an arresting mechanism arranged on part of the plate, said rail and said arresting mechanism being in engagement with one another.

IPC 1-7

F23J 1/02; **F23G 5/44**

IPC 8 full level

F23G 5/46 (2006.01); **F23J 1/02** (2006.01)

CPC (source: EP US)

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

Citation (search report)

- [XD] DE 2539615 B2 19770630
- [AP] US 4520738 A 19850604 - TAKEHARA NOBUO [JP]
- [A] DE 2128998 B2 19750528
- [A] DE 2739371 A1 19790315 - VER KESSELWERKE AG
- [AD] DE 2739396 A1 19790315 - VER KESSELWERKE AG

Cited by

DE4301619A1; BE1008557A3

Designated contracting state (EPC)

DE FR GB SE

DOCDB simple family (publication)

EP 0186731 A2 19860709; **EP 0186731 A3 19870114**; **EP 0186731 B1 19891206**; CH 664617 A5 19880315; DE 3574613 D1 19900111; JP H0454131 B2 19920828; JP S6172914 A 19860415; US 4625660 A 19861202

DOCDB simple family (application)

EP 85110799 A 19850828; CH 435884 A 19840912; DE 3574613 T 19850828; JP 18115685 A 19850820; US 76555085 A 19850814