

Title (en)

STOKER-FURNACE SEALING DEVICE AND STOKER FURNACE

Title (de)

ABDICHTUNGSVORRICHTUNG FÜR BESCHICKUNGSOFEN UND BESCHICKUNGSOFEN

Title (fr)

DISPOSITIF D'ÉTANCHÉITÉ DE FOUR À CHARGEMENT MÉCANIQUE ET FOUR À CHARGEMENT MÉCANIQUE

Publication

EP 3734155 A1 20201104 (EN)

Application

EP 18895280 A 20181010

Priority

- JP 2017253145 A 20171228
- JP 2018037825 W 20181010

Abstract (en)

Provided is a sealing device in a stoker type incinerator, for sealing a gap between a drop wall (27) of the stoker type incinerator and a movable fire grate (16), the stoker type incinerator being provided with a plurality of fixed fire grates and a plurality of the movable fire grates (16), and in which objects to be incinerated are subjected to incineration while conveying the objects to be incinerated, the sealing device includes: a front fire grate (31) disposed so that a distal end (31c) of the front fire grate (31) abuts on the movable fire grate (16); a support portion (32) having a top surface support plate (33) fixed to the drop wall (27) to support a top surface (31a) of the front fire grate (31) and a bottom surface support plate (34) disposed below the top surface support plate (33) to support a bottom surface (31b) of the front fire grate (31); and a spring (35) configured to urge the front fire grate (31) in a direction opposite to a direction in which the front fire grate (31) is moved with the movable fire grate (16).

IPC 8 full level

F23G 5/00 (2006.01); **F23H 7/08** (2006.01)

CPC (source: EP RU)

F23G 5/00 (2013.01 - EP RU); **F23H 7/08** (2013.01 - EP RU); **F23H 17/00** (2013.01 - EP); **F23H 2900/00** (2013.01 - EP)

Cited by

EP3845805A4

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3734155 A1 20201104; **EP 3734155 A4 20210915**; **EP 3734155 B1 20231220**; BR 112020008052 A2 20200915; BR 112020008052 B1 20210217; CN 110214249 A 20190906; CN 110214249 B 20201106; DK 3734155 T3 20240311; JP 2019120414 A 20190722; JP 6393822 B1 20180919; PH 12020500214 A1 20201019; PL 3734155 T3 20240513; RU 2744998 C1 20210318; SG 11202000754P A 20200227; TW 201930784 A 20190801; TW I683978 B 20200201; WO 2019130719 A1 20190704

DOCDB simple family (application)

EP 18895280 A 20181010; BR 112020008052 A 20181010; CN 201880001829 A 20181010; DK 18895280 T 20181010; JP 2017253145 A 20171228; JP 2018037825 W 20181010; PH 12020500214 A 20200128; PL 18895280 T 20181010; RU 2020114355 A 20181010; SG 11202000754P A 20181010; TW 107135248 A 20181005