

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 A4 20210915 (EN)**

Application  
**EP 18895280 A 20181010**

Priority  
• JP 2017253145 A 20171228  
• JP 2018037825 W 20181010

Abstract (en)  
[origin: EP3734155A1] 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); **F23H 17/00** (2006.01)

CPC (source: EP RU)  
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• [A] JP 2007113893 A 20070510 - MHI ENVIRONMENT ENG CO LTD  
• [AD] JP H04186010 A 19920702 - NIPPON KOKAN KK  
• [A] DE 29809506 U1 19980730 - FUGUMA GMBH [DE]  
• See also references of WO 2019130719A1

Cited by  
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JP 2019120414 A 20190722; JP 6393822 B1 20180919; PH 12020500214 A1 20201019; PL 3734155 T3 20240513; RU 2744998 C1 20210318;  
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