

Title (en)

Travelling grate of a combustion apparatus.

Title (de)

Wanderrost für eine Feuerungsanlage.

Title (fr)

Grille mécanique à mouvement continu d'un appareil à combustion.

Publication

EP 0081779 A1 19830622 (DE)

Application

EP 82111243 A 19821204

Priority

DE 3149548 A 19811215

Abstract (en)

[origin: ES8308988A1] A traveling grate for a furnace. The grate is formed of plural pipes through which flows a cooling medium, in particular water. The grate also includes plural movable chains. Grate plate guide flanges are arranged laterally on the pipes. The guide plates, which are connected to the chain rest on the guide flanges. The upper strand of each movable chain is guided in an additional chain guide. The lower strand serves to move ash which has fallen through the grate away to a collection station. Due to the heat discharge through the pipes, the heating performance of the grate can be increased or at a given heating performance an elevated life span can be achieved. Fluid which can be heated up in the pipes can be used profitably, for example to preheat boiler heat.

Abstract (de)

Der Rost (3) besteht aus von einem Kühlmedium durchflossenen Rohren (14) und umlaufenden endlosen Ketten (4), an denen Rostplatten (20) angebracht sind. Seitlich an den Rohren sind Rostplatten-Führungsleisten (15, 16) angeordnet, auf denen die mit der Kette (4) verbundenen Rostplatten (20) aufliegen. Das obere Trum (4a) jeder umlaufenden Kette (4) ist in einer zusätzlichen Kettenführung (22) geführt. Das untere Trum (4b) dient zum Abfordern von Asche (24), die durch den Rost hindurchgefallen ist.

IPC 1-7

F23H 11/00; **F23H 3/02**

IPC 8 full level

F23H 3/02 (2006.01); **F23H 11/00** (2006.01)

CPC (source: EP US)

F23H 3/02 (2013.01 - EP US); **F23H 11/00** (2013.01 - EP US); **F23H 2900/03021** (2013.01 - EP US)

Citation (search report)

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- [A] FR 691273 A 19301020 - WALTHER & CIE AG
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- [A] DE 912001 C 19540524 - VIESSMANN HANS
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DE202013006609U1

Designated contracting state (EPC)

AT FR GB IT

DOCDB simple family (publication)

EP 0081779 A1 19830622; **EP 0081779 B1 19861210**; AT E24238 T1 19861215; DE 3149548 A1 19830623; DE 3149548 C2 19840530; ES 518172 A0 19831001; ES 8308988 A1 19831001; US 4487138 A 19841211

DOCDB simple family (application)

EP 82111243 A 19821204; AT 82111243 T 19821204; DE 3149548 A 19811215; ES 518172 A 19821214; US 44979682 A 19821214