

Title (en)  
TRAVELLING GRATE OF A COMBUSTION APPARATUS

Publication  
**EP 0081779 B1 19861210 (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.

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)

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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

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