

Title (en)

Boiler for fuel combustion and method for conducting gases therein

Title (de)

Wasserhitzer und verfahren zum Umleiten von Verbrennungspasen darin.

Title (fr)

Chaudière et méthode pour le transit des gaz de combustion à l'intérieur de cette dernière

Publication

**EP 1106918 A1 20010613 (EN)**

Application

**EP 00660225 A 20001207**

Priority

FI 992624 A 19991207

Abstract (en)

The invention relates to a boiler (1) for burning a fuel, such as wood, and a method for conducting gases in this. The boiler (1) comprises a primary combustion space (4), where fuel is gasified to form primary gases (A), and a secondary combustion space (6), where unburned primary gases (A) are burnt into flue gases (D). In the method, the air (B) required for combustion is taken to the secondary combustion space (6), from where a circulating gas mixture (E) is taken near the area to which the air (B) required for combustion is introduced, and which mixture is subsequently taken to the primary combustion space (4). <IMAGE>

IPC 1-7

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IPC 8 full level

**F23L 1/00** (2006.01); **F24B 5/02** (2006.01)

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**F23B 5/04** (2013.01 - EP); **F23B 7/007** (2013.01 - EP); **F23M 9/02** (2013.01 - EP US); **F24B 5/028** (2013.01 - EP)

Citation (applicant)

US 5564348 A 19961015 - GROESCHL RUPERT [AT], et al

Citation (search report)

- [DA] US 5564348 A 19961015 - GROESCHL RUPERT [AT], et al
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- [A] EP 0176232 A2 19860402 - STACK MFG CO LTD [NZ]
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- [A] US 4404953 A 19830920 - THULMAN ROBERT D [US], et al
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CN103776159A; CN102927558A

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