

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

F23B 5/04; **F23B 7/00**; **F24B 5/02**; **F23L 1/00**

IPC 8 full level

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

CPC (source: EP US)

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
- [A] WO 8102620 A1 19810917 - LINDSTROEM AB OLLE [SE], et al
- [A] EP 0176232 A2 19860402 - STACK MFG CO LTD [NZ]
- [A] US 4766876 A 19880830 - HENRY DANIEL S [US], et al
- [A] FR 2603686 A1 19880311 - OLMOTTI HUMBERT MARIN [FR]
- [A] US 4404953 A 19830920 - THULMAN ROBERT D [US], et al
- [A] US 4210995 A 19800708 - HEIMBURG RICHARD W [US], et al

Cited by

CN103776159A; CN102927558A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1106918 A1 20010613; FI 107352 B 20010713

DOCDB simple family (application)

EP 00660225 A 20001207; FI 992624 A 19991207