

Title (en)  
Combustion apparatus

Title (de)  
Brennvorrichtung

Title (fr)  
Appareil de combustion

Publication  
**EP 1300631 A3 20040204 (DE)**

Application  
**EP 02021876 A 20020930**

Priority  
DE 10148686 A 20011002

Abstract (en)  
[origin: EP1300631A2] The combustion unit (1) has a fire grate (2) on which solid fuel, particularly wood (10), is placed and a flue gas evacuation (5) from the main combustion chamber (3) above the grate downwards through the grate to a secondary combustion chamber (4). Beneath the fire grate, nozzle tubes (6) are arranged in the flue gas evacuation system, which have outlet apertures (7a,7b) in their wall and serve to feed secondary gas into the primary gas evacuation system. <??>The grate bars with their lateral ends locate individually loosely on the side claddings (13) of the flue gas evacuation system and with which the housing (11) is lined. The nozzle tubes preferably have a pentagonal cross-section, with one corner upwards, preferably in the form of a diamond and the outlet apertures (7a,7b) are arranged at the other corners of the cross-section.

IPC 1-7  
**F23B 5/04**; **F23B 7/00**; **F23L 9/04**; **F23H 17/12**

IPC 8 full level  
**F23H 1/02** (2006.01); **F23H 17/12** (2006.01); **F23L 9/04** (2006.01); **F23M 9/00** (2006.01); **F23M 9/04** (2006.01)

CPC (source: EP)  
**F23B 7/005** (2013.01); **F23L 9/04** (2013.01)

Citation (search report)

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