

Title (en)  
Burner for solid fuel, and furnace

Title (de)  
Brenner für Festbrennstoff und Ofen

Title (fr)  
Brûleur pour combustible solide et four

Publication  
**EP 2333410 A3 20141203 (EN)**

Application  
**EP 10191680 A 20101118**

Priority  
FI 20096205 A 20091119

Abstract (en)  
[origin: EP2333410A2] The invention relates to a burner for solid fuel, particularly for pellets, the burner comprising a body (3') and a grate (4'). To enable burning of pellets with a clam flame and yet at low emissions, the grate (4') comprises an oblique grate surface (16a', 16b') defining an underlying air flow space (20') and an overlying fuel space (19') extending all the way to the top end of the body (3'), the grate (4') extending from a first end wall of the body (3') to a second end wall opposite to the first one, the top end (10') of the grate comprising first air openings (13a', 13b') arranged to extend in the longitudinal direction of the grate (4') from the first end of the grate to the second end opposite to the first one, the air openings being formed so as to allow flow of air from the air flow space (20') to the top end of the fuel space (19'), and the grate (4') comprising second air openings (14a', 14b') arranged to extend underneath the first air openings (13a', 13b') in the longitudinal direction of the grate (4') from a first end of the bottom end (15') of the grate to a second end opposite to the first one. The invention also relates to a furnace.

IPC 8 full level  
**F23B 60/02** (2006.01)

CPC (source: EP FI)  
**F23B 60/02** (2013.01 - EP); **F23H 13/02** (2013.01 - FI); **F24B 1/193** (2013.01 - FI)

Citation (search report)

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Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
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