

Title (en)
STOVE FOR SOLID FUEL

Publication
EP 0254321 A3 19890208 (DE)

Application
EP 87110732 A 19870724

Priority
DE 3625151 A 19860725

Abstract (en)
[origin: EP0254321A2] A stove with air or water cooling, in particular a single-unit stove, tiled stove, tiled-floor stove, stack or heating boiler, heating tiled stove or heating stack, has for the burning of solid fuels a grating which is cooled or circulation-cooled and off-gas flues, which connect the ash cave to an off-gas collector in the upper part of the stove. The off gases are introduced through the chimney flue, with or without an off-gas extraction fan, through the glow bed into the ash cave and from the latter through the off-gas flues and the off-gas collector into the chimney. The sidewalls of the combustion chamber are provided with a lining of high-temperature-resistant material of low heat conductivity, preferably also great heat retention. In the lining there are channels, forming the off-gas flues, for secondary combustion and removal of the off gases from the ash cave into the off-gas collector. <IMAGE>

IPC 1-7
F24B 5/04; F24B 5/02; F23B 7/00

IPC 8 full level
F23M 5/00 (2006.01); **F24B 1/00** (2006.01); **F24B 1/04** (2006.01); **F24B 1/185** (2006.01); **F24B 5/02** (2006.01); **F24B 5/04** (2006.01); **F24B 7/04** (2006.01)

CPC (source: EP)
F23B 7/005 (2013.01); **F24B 5/02** (2013.01); **F24B 5/04** (2013.01)

Citation (search report)

- [X] DE 3429268 A1 19850228 - CONTURA IND AB [SE]
- [X] US 4572155 A 19860225 - ENGBLOM DAVID W [US]
- [X] NL 16773 C
- [X] CH 293385 A 19530930 - ROHRBACH EMIL [CH], et al
- [A] EP 0154956 A2 19850918 - UNICAL SPA [IT]
- [A] EP 0124945 A2 19841114 - VOORT EDUARD THOMAS JACOBUS V
- [A] US 4252104 A 19810224 - MORRIS WILLIAM H D

Cited by
DE9304245U1; EP0641969A1; KR20160011363A; EP0483878A3; US7100656B2; EP2975322A1; US7063759B2

Designated contracting state (EPC)
AT BE CH DE FR GB LI LU NL SE

DOCDB simple family (publication)
EP 0254321 A2 19880127; EP 0254321 A3 19890208; EP 0254321 B1 19911030; AT E69099 T1 19911115; DE 3625151 A1 19880128; DE 3774199 D1 19911205

DOCDB simple family (application)
EP 87110732 A 19870724; AT 87110732 T 19870724; DE 3625151 A 19860725; DE 3774199 T 19870724