Title (en)
HEATING BOILER WITH HIGH AUTONOMY OF FEEDING WITH SOLID FUEL

Publication
EP 0193234 A3 19880420 (EN)

Application
EP 86200226 A 19860215

Priority
IT 6720785 A 19850228

Abstract (en)
[origin: EP0193234A2] The boiler is constituted by a combustion chamber (20;120) with oblique side walls (2, 4; 102, 104) adapted to cause the solid fuel to descend automatically by gravity towards a lower grid (5, 105) where combustion takes place. The fuel is introduced through two capacious upper apertures (7, 8; 107, 108) provided with smokeproof covers. The fluid to be fed to the heating bodies is heated in a central cylindrical body (14, 114) with flue pipes. The central cylindrical body (14; 114) can be made either in a version for feeding with solid fuel only or in a version for mixed feeding, in which case the boiler is provided with appropriate supports for a conventional burner (17). The main advantage of the boiler is its great autonomy of feeding with solid fuel which is introduced thereinto in considerable amounts - if desired, in the form of large economical pieces of wood logs - which, however, are burned gradually in time.

IPC 1-7
F23B 1/30; F23C 1/00; F24H 1/22; F24H 1/36

IPC 8 full level
F23C 1/00 (2006.01); **F24H 1/28** (2006.01); **F24H 1/36** (2006.01); **F24H 1/46** (2006.01)

CPC (source: EP)
F23B 1/30 (2013.01); **F23C 1/00** (2013.01); **F24H 1/285** (2013.01); **F24H 1/36** (2013.01); **F24H 1/46** (2013.01); F24H 2230/00 (2013.01)

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