

Title (en)
Heating device with turbo stage

Title (de)
Heizgerät mit Turbostufe

Title (fr)
Dispositif de chauffage avec étage turbo

Publication
EP 0949455 B1 20020227 (DE)

Application
EP 99106137 A 19990406

Priority
DE 19815636 A 19980407

Abstract (en)
[origin: EP0949455A1] The heating unit has a bypass valve (7) with a solenoid operating unit (8), which is coupled with a fan (9), is arranged in a bypass to the fuel supply line (5), upstream from burner stages (1,2). Thus when increased heating power is required, an increased fuel supply to the burner stages results by the opening of the bypass valve by the solenoid. The bypass valve is only operable, if the fan is in operation. The throttle element is arranged in the fuel supply line, before its branching to the burner stages, outside from the bypass.

IPC 1-7
F23N 1/00; **F24H 9/20**

IPC 8 full level
F23N 1/00 (2006.01); **F24H 9/20** (2006.01)

CPC (source: EP)
F23N 1/005 (2013.01); **F23N 2227/22** (2020.01); **F23N 2233/10** (2020.01); **F23N 2235/14** (2020.01); **F23N 2235/16** (2020.01); **F23N 2235/18** (2020.01); **F23N 2237/02** (2020.01); **F23N 2237/10** (2020.01); **F23N 2237/20** (2020.01); **F23N 2241/02** (2020.01)

Cited by
US12043081B2; US11772452B2; US7513247B2; US6796326B2; WO2004063629A1; WO0179951A1; USD905217S; USD907183S; USD944374S

Designated contracting state (EPC)
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