

Title (en)

WOODBURNING STOVE WITH GLASS PORTION AND MEANS FOR THE CLEANING THEREOF

Publication

EP 0530126 A3 19930512 (EN)

Application

EP 92610059 A 19920821

Priority

DK 153591 A 19910830

Abstract (en)

[origin: EP0530126A2] With closed woodburning stoves having a glass portion (4) in the stove door (2), there is a great problem that soot and condensate are deposited on the inner surface of the glass portion. According to the invention, this can be prevented by mounting a heat exchanger directly above the door (2) on the front part (23) inside the fire box (19), and in such a manner that the air intake (21) takes place directly through a slot (7) in the front part (23). The heat exchanger is divided into an upper chamber (13) to which the inlet air (21) is led from outside, and a lower chamber (14) from which the heated and expanded air (24) is led out through a slot (15) at the front over the glass portion, the breadth and direction of flow of said slot (15) being adapted to suit the height of the glass portion (4) and the fire box (19). The outflowing air is thus heated to a temperature of up to 250 DEG C, and flows out at a speed which holds the glass portion (4) completely free of soot and condensate. It is also led to the combustion zone as heated primary air. This ensures a good combustion and a high degree of efficiency. <IMAGE>

IPC 1-7

F24B 1/00; **F24B 5/02**

IPC 8 full level

F24B 5/02 (2006.01); **F24B 13/00** (2006.01)

CPC (source: EP)

F24B 5/025 (2013.01); **F24B 13/004** (2013.01)

Citation (search report)

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