

Title (en)
Electronically controlled woodburning stove and control method therefore

Title (de)
Elektronisch gesteuerter Holzbrennofen und Regelungsverfahren dafür

Title (fr)
Poêle à bois commandé électroniquement et méthode de contrôle

Publication
EP 2085694 B1 20180530 (EN)

Application
EP 09151419 A 20090127

Priority
DK PA200800114 A 20080130

Abstract (en)
[origin: EP2085694A2] Method for controlling a woodburning stove and an electronic control (38) for a woodburning stove (2) of the type including a combustion chamber (6) which is downwards separated from an ash chamber (18) by means of a grate bottom (12) and having a walling (8) at the rear and at both sides, which upwards has an inclining forwards/upwards extending wall part (22), the combustion chamber (6) upwards, preferably via a reversing plate (24), being connected with a chimney (28) via a flue gas exhaust (26), the control including a thermal sensor (46) and a A-probe (48) provided in the flue gas exhaust (26), wherein the control (38) is incorporated in a cabinet (36) which is adapted to be disposed below the ash chamber (18) and which includes a common air intake (48) and one or more regulating valves (34, 40, 42) with a damper plate, each drivingly connected with an electric motor (50, 52, 54) arranged in the cabinet, the motor being control connected with the electronic control (38), the regulating valve or valves (34, 40, 42) interacting with air ducts for supplying primary and secondary combustion air (19, 33, 45), the air ducts being disposed side by side at a rear side of the woodburning stove (2).

IPC 8 full level
F23B 80/04 (2006.01); **F23B 90/04** (2011.01); **F23L 9/02** (2006.01); **F23N 3/00** (2006.01); **F23N 3/06** (2006.01); **F23N 5/00** (2006.01); **F24B 1/02** (2006.01)

CPC (source: EP)
F23B 60/02 (2013.01); **F23B 80/04** (2013.01); **F23B 90/04** (2013.01); **F23L 9/02** (2013.01); **F23N 3/002** (2013.01); **F23N 3/007** (2013.01); **F23N 3/065** (2013.01); **F23N 5/006** (2013.01); **F24B 1/028** (2013.01); **F24B 1/187** (2013.01); **F24B 5/026** (2013.01); **F23M 2900/13003** (2013.01); **F23N 2231/02** (2020.01); **F23N 2239/02** (2020.01)

Cited by
EP2949992A1; WO2017144614A1; WO2013068015A1; GB2530732A; EP2906873A4; JP2016205789A; EP2679908A3; IT202000003335A1; GB2503574A; FR3050012A1; GB2503574B; DE102019217537A1; EP4092323A1; BE1022253B1; FR3122245A1; US10969108B2; EP2776761A4; EP4012261A3; EP2775201A3; FR3019272A1; CN103486570A; CN103512025A; BE1021949B1; EP3495733A1; EP3765792A4; EP3690317A1; EP4215820A1; BE1030215B1; WO2019174655A1; US9803870B2; EP4012261A2; WO2022223662A1

Designated contracting state (EPC)
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 SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2085694 A2 20090805; EP 2085694 A3 20130515; EP 2085694 B1 20180530; DK 2085694 T3 20180903

DOCDB simple family (application)
EP 09151419 A 20090127; DK 09151419 T 20090127