

Title (en)
SOLID FUEL HEATER WITH THREE-ZONE COMBUSTION AIR SUPPLY

Title (de)
FESTBRENNSTOFFHEIZER MIT DREI-ZONEN-VERBRENNUNGSLUFTZUFUHR

Title (fr)
DISPOSITIF DE CHAUFFAGE À COMBUSTIBLES SOLIDES AYANT UNE ALIMENTATION EN AIR DE COMBUSTION À TROIS ZONES

Publication
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Application
EP 19766636 A 20190311

Priority
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• CZ 2019000013 W 20190311

Abstract (en)
[origin: WO2019174655A1] The solid fuel heater with three-zone combustion air supply, containing the lower outlet orifice (16) of the lower primary air, the upper outlet orifice (11) of the upper primary air, the outlet orifice (12) and the inlet orifice (14.3) of the secondary air, whereas the secondary air between the inlet orifice (14.3) and the outlet orifice (12) runs in the independent vent (9); in addition, contains the first inlet orifice (14.1) of the lower primary and the second inlet orifice (14.2) of the upper primary air, whereas the lower primary air between the first inlet orifice (14.1) and the lower outlet orifice (16) runs in the independent vent (10) and the upper primary air between the second inlet orifice (14.2) and the upper outlet orifice (11) runs in the independent vent (3). The damper (13), attached to the arm (7), is assigned to each inlet orifice (14.1, 14.2 and 14.3), whereas the arm (7) is connected to the shaft (8), whereas the inlet orifices (14.1, 14.2 and 14.3) are equipped with their common moving orifice (5). The inlet orifices (14.1, 14.2 and 14.3) are located on the distributor (4), fixed to the external side of the heater (100), whereas the shaft (8) is located outside said distributor (4).

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