

Title (en)
Firebox

Title (de)
feuerstelle

Title (fr)
foyer de combustion

Publication
EP 2439446 A1 20120411 (EN)

Application
EP 11184504 A 20111010

Priority
• IT UD20100183 A 20101008
• IT UD20100222 A 20101201

Abstract (en)
A firebox (10) for a combustion apparatus, advantageously but not exclusively using biomass or biofuel, comprises a base structure (11) defining a combustion chamber (12) and a chimney (13) for the smoke, and has a door (16). The chimney (13) comprises at least a segment with a flue, cooperating with the combustion chamber (12), which is provided with a first pipe (19) and a second pipe (20) for the passage of the smoke. The first pipe (19) is associated with choking means (21) and said second pipe (20) is associated with filter means (23) located, according to the direction in which the smoke travels from the combustion chamber (12) toward the outside, before the first pipe (19) merges with the second pipe (20). The choking means (21) are associated, by means of connection means, to the position of the door (16), so that, with the door (16) open, the choking means (21) are in a position of opening the first pipe (19) and with the door (16) closed the choking means (21) are in a position of closing the first pipe (19).

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Citation (applicant)
IT 1310551 B1 20020218 - PALAZZETTI LELIO SPA [IT]

Citation (search report)
• [Y] EP 0375470 A1 19900627 - CHEMINEES PHILIPPE SOCIETE ANO [FR]
• [Y] US 2002146355 A1 20021010 - CARROLL JOSEPH ALLEN [US], et al
• [Y] DE 2427886 A1 19760422 - LAMB ROBERT
• [Y] US 5702244 A 19971230 - GOODSON DAVID B [US], et al
• [A] US 4582045 A 19860415 - DORAU WARREN G [US], et al
• [A] US 4584177 A 19860422 - FERNBACH ERWIN A [CA], et al
• [A] US 4437451 A 19840320 - WYSONG CHARLES F [US]
• [A] DE 19912453 A1 20000921 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [A] US 5566667 A 19961022 - COX JENNIFER [US]
• [A] US 4279629 A 19810721 - SIMMS DONALD S

Cited by
GB2536575A; GB2536575B; WO2014083504A3

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