

Title (en)
Solid fuel boiler.

Title (de)
Heizkessel für feste Brennstoffe.

Title (fr)
Chaudière pour combustibles solides.

Publication
EP 0242097 A1 19871021 (EN)

Application
EP 87302963 A 19870406

Priority
GB 8609370 A 19860417

Abstract (en)
A solid fuel boiler (5) has a heat exchanger (10) above the fuel bed. The heat exchanger (10) comprises a plurality of vertically disposed tubes (11) whose upper ends debouch into a chamber (14) which is in communication with a flue (12). Chains (40) hang down from a frame (13) which is located in said chamber (14), each of said chains (40) extending along and through a respective one of said tubes (11). The frame (13) is supported (a) by flexible means (35) (e.g. chains) attached to the boiler framework (6), and (b) by a coupling device (16,17) which is in turn connected in a gas-tight manner and eccentrically to a motor driven gear train (23, 24, 25, 26, 27). Rotation of a gear of said train (23, 24, 25, 26, 27) is converted into orbital movement of said frame (13) by said eccentric connection, whereby the chains (40) remove deposits from the inner surfaces of the tubes (11).

IPC 1-7
F28G 3/06; **F28G 3/02**

IPC 8 full level
F28G 3/06 (2006.01)

CPC (source: EP)
F28G 1/04 (2013.01); **F28G 3/06** (2013.01)

Citation (search report)

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