

Title (en)

BIOMASS HEATING SYSTEM WITH AN IMPROVED CLEANING DEVICE

Title (de)

BIOMASSE-HEIZANLAGE MIT EINER VERBESSERTEN REINIGUNGSEINRICHTUNG

Title (fr)

INSTALLATION DE CHAUFFAGE À BIOMASSE DOTÉE D'UN DISPOSITIF AMÉLIORÉ DE NETTOYAGE

Publication

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Application

EP 21161524 A 20210309

Priority

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Abstract (en)

[origin: WO2022189200A1] The invention relates to a biomass heating system (1) for burning fuel in the form of pellets and/or chips, comprising: - a boiler (11), which has a burning device (2); - a heat exchanger (3), which has a plurality of boiler tubes (32); - a cleaning device (9), which has the following: a drive unit (72) for driving the cleaning device (9); a crank element (77), which is coupled to the drive element (72) by means of a freewheel (73), the drive unit being able to drive the crank element in a direction of rotation (DR); a sliding member (74), which can be moved back and forth and is coupled to the crank element (77); at least one cleaning shaft (92), which is operatively connected to the sliding member (74); at least one cleaning element (36, 37, 48, 96), which is operatively connected to the cleaning shaft (92); wherein the cleaning device (9) is designed such that, when the crank element is rotated in the direction of rotation (DR) by the drive unit, the sliding member (74) is slid in a sliding direction, and after a predefined crank rotation position of the crank element (77) has been exceeded, the sliding element (74) is slid in a momentum direction opposite the sliding direction.

IPC 8 full level

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