

Title (en)

BIOMASS HEAT GENERATOR FOR DOMESTIC USE

Title (de)

BIOMASSEHEIZGERÄT FÜR DEN HÄUSLICHEN GEBRAUCH

Title (fr)

DISPOSITIF DE CHAUFFE À BIOMASSE POUR USAGE DOMESTIQUE

Publication

EP 3604921 A3 20200226 (EN)

Application

EP 19182908 A 20190627

Priority

IT 201800007792 A 20180802

Abstract (en)

Biomass heat generator (1) for domestic use, comprising: a main box-like casing (2) inside of which a reaction chamber (3) and an overlying combustion chamber (4) are arranged; a secondary box-like casing (5) branching off from the main box-like casing (2) at the reaction chamber (3), the secondary box-like casing (5) having an open end (5a) for introducing the biomass and forming a preestablished angle (a) with respect to the main box-like casing (2) in such a way as to allow the biomass to descend by force of gravity; at least a first inlet (6) for the air inside the reaction chamber (3); at least a second inlet (7a, 7b, 7c) for the air inside the combustion chamber (4); a first grille (8) located in the main box-like casing (2) to collect the biomass coming from above; a second grille (9) located between the combustion chamber (4) and the reaction chamber (3) so as to concentrate the gases.

IPC 8 full level

F23G 5/24 (2006.01); **F23B 90/06** (2011.01); **F23G 5/027** (2006.01); **F23G 7/10** (2006.01)

CPC (source: EP)

F23B 90/06 (2013.01); **F23G 5/027** (2013.01); **F23G 5/245** (2013.01); **F23G 7/10** (2013.01); **F23G 2205/16** (2013.01)

Citation (search report)

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- [A] US 2017218274 A1 20170803 - YU SHIZHENG [CN], et al
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Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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