

Title (en)

METHOD FOR OPERATING A COMBUSTION FACILITY AND COMBUSTION FACILITY

Title (de)

VERFAHREN ZUM BETRIEB EINER BRENNEINRICHTUNG SOWIE BRENNEINRICHTUNG

Title (fr)

PROCÉDÉ SERVANT À FAIRE FONCTIONNER UN DISPOSITIF DE COMBUSTION, ET DISPOSITIF DE COMBUSTION

Publication

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Application

**EP 19762725 A 20190820**

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Abstract (en)

[origin: CA3110130A1] The invention relates to a method for operating a combustion facility (1), said combustion facility (1) comprising a combustion chamber (3) arranged in a double-walled housing (2), a supply duct (4) for supplying a fuel into the combustion chamber (3), a discharge duct (5) for removing exhaust air from the combustion chamber (3), and an air channel (6) for supplying supply air into the housing (2), wherein the housing (2) comprises an inner wall (7) and an outer wall (8) which define an intermediate space (9) therebetween, wherein an air inlet (10) that cooperates with the air channel (6) is arranged in an upper end section (14) of the outer wall (8), and the intermediate space (9) and the combustion chamber (3) that is surrounded by the inner wall (7) are fluidically interconnected, said method comprising the following steps: a) supply air is introduced into the upper end section (14) of the housing (2) by means of the air channel (6); b) the supply air is guided in the intermediate space (9) towards a lower end section (15) of the housing (2); and c) the supply air is introduced into the combustion chamber (3). The aim of the invention is provide a combustion facility by means of which renewable raw materials with low energy content can be used. To this end, the method according to the invention includes the following step: the supply air is first guided out of the housing (2) by means of an air duct (11) that cooperates with an air outlet (12) arranged in the outer wall (8) and is then at least indirectly supplied to the combustion chamber (3).

IPC 8 full level

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