

Title (en)

Burner that uses a granular-type solid biomass fuel

Title (de)

Körnigen, festen Biomassebrennstoff verwendender Brenner

Title (fr)

Brûleur qui utilise un combustible de biomasse solide de type granulaire

Publication

EP 2957828 A1 20151223 (EN)

Application

EP 14382238 A 20140620

Priority

EP 14382238 A 20140620

Abstract (en)

Burner that uses a granular-type solid biomass fuel, comprising a combustion chamber (2) where combustion takes place, and an unburned fuel discharge device (3) for discharging the unburned fuel generated during combustion. The unburned fuel discharge device (3) forms the base of the combustion chamber (2), said unburned fuel discharge device (3) comprising at least three discharge plates (4, 5, 6, 7, 8) arranged parallel to one another, at least two of said discharge plates (4, 5, 6) being movable and at least one of said discharge plates (7, 8) being fixed, the movable discharge plates (4, 5, 6) and the fixed discharge plates (7, 8) being arranged in an alternating manner, each of the discharge plates (4, 5, 6, 7, 8) comprising at least one hole, said holes being arranged and the movable discharge plates (4, 5, 6) being moved such that the passage of an air stream through the discharge device (3) is prevented.

IPC 8 full level

F23G 7/10 (2006.01); **F23B 50/12** (2006.01); **F23H 13/02** (2006.01)

CPC (source: EP)

F23B 50/12 (2013.01); **F23G 7/10** (2013.01); **F23H 13/02** (2013.01); **F24B 1/024** (2013.01)

Citation (applicant)

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Citation (search report)

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Designated contracting state (EPC)

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BA ME

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