

Title (en)

PELLET BURNER WITH A ROTARY COMBUSTION CHAMBER

Title (de)

PELLETBRENNER MIT EINER ROTIERENDEN VERBRENNUNGSKAMMER

Title (fr)

BRÛLEUR À GRANULÉS AVEC UNE CHAMBRE DE COMBUSTION ROTATIVE

Publication

EP 2998650 B1 20190403 (EN)

Application

EP 15460052 A 20150820

Priority

PL 40952414 A 20140917

Abstract (en)

[origin: EP2998650A1] The subject of the invention is a cover of the combustion chamber in the pellets burner, having a housing (1) with an inlet whole (2) for pellets and rotary combustion chamber (3) surrounded with a cylindrical cover (4), connected with the housing, in addition, a space between the combustion chamber (3) and the cover (4) is a ring-shaped duct supplying air into the combustion chamber circumferentially placed on it. The ring-shaped duct (5) supplying air into the combustion chamber is closed in front of the cover (4) with its flange ring (6) directed towards inside of the chamber and a sealing ring operating together with it, connected permanently with the outer surface of the combustion chamber. According to the invention, a rear part (8) of the cover (4) is permanently connected with a compensatory plate (9), a surface of which is perpendicular to the longitudinal axis of the cover (4) whereas, the compensatory plate (9) is elastically connected with the burner housing (1).

IPC 8 full level

F23B 30/04 (2006.01); **F23H 9/02** (2006.01)

CPC (source: EP)

F23B 30/04 (2013.01); **F23B 60/02** (2013.01); **F23H 9/02** (2013.01); **F23H 17/08** (2013.01)

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

DOCDB simple family (publication)

EP 2998650 A1 20160323; **EP 2998650 B1 20190403**; DK 2998650 T3 20190715; ES 2733481 T3 20191129; LT 2998650 T 20190725; PL 226499 B1 20170731; PL 409524 A1 20160329; PT 2998650 T 20190710

DOCDB simple family (application)

EP 15460052 A 20150820; DK 15460052 T 20150820; ES 15460052 T 20150820; LT 15460052 T 20150820; PL 40952414 A 20140917; PT 15460052 T 20150820