

Title (en)

HOUSING FOR BURNER, BURNER AND WATER HEATING APPARATUS

Title (de)

GEHÄUSE FÜR BRENNER, BRENNER UND WASSERERWÄRMUNGSVORRICHTUNG

Title (fr)

BOÎTIER POUR BRÛLEUR, BRÛLEUR ET APPAREIL DE CHAUFFAGE D'EAU

Publication

EP 3974743 A1 20220330 (EN)

Application

EP 19926687 A 20191219

Priority

- CN 201910337759 A 20190425
- CN 201920580733 U 20190425
- CN 201910337770 A 20190425
- CN 201920580690 U 20190425
- CN 2019126709 W 20191219

Abstract (en)

Provided are a housing (10) of a burner (100), a burner (100), and a water heating apparatus. The housing (10) includes: a side enclosing plate (11) enclosing and defining an installation space, which is penetrating in an up-down direction for installation with a burner unit (20) of the burner (100); and an air distribution plate (12) disposed at and sealing a lower end opening of the installation space and located above the burner unit (20). A first air inlet (1021) and a second air inlet (1022), for air inflow, are defined in the air distribution plate (12) and spaced apart from each other. The first air inlet (1021) is in communication with an internal gas channel (202) in the burner unit (20), and the second air inlet (1022) is in communication with an external air channel (203) located at a side portion of the burner unit (20).

IPC 8 full level

F24H 9/18 (2022.01); **F23D 14/20** (2006.01)

CPC (source: EP)

F23D 14/045 (2013.01); **F23D 14/08** (2013.01); **F23D 14/70** (2013.01); **F23M 9/02** (2013.01); **F23M 9/04** (2013.01); **F24H 9/0026** (2013.01); **F24H 9/1836** (2013.01); **F23D 14/10** (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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3974743 A1 20220330; **EP 3974743 A4 20220608**; WO 2020215762 A1 20201029

DOCDB simple family (application)

EP 19926687 A 20191219; CN 2019126709 W 20191219