

Title (en)

COMBUSTION DEVICE CAPABLE OF AVOIDING OVERHEAT

Title (de)

VERBRENNUNGSVORRICHTUNG MIT FÄHIGKEIT ZUR VERMEIDUNG VON ÜBERHITZUNG

Title (fr)

DISPOSITIF DE COMBUSTION CAPABLE D'ÉVITER LA SURCHAUFFE

Publication

**EP 3671037 A1 20200624 (EN)**

Application

**EP 19161603 A 20190308**

Priority

TW 107146075 A 20181220

Abstract (en)

A combustion device includes a burner (20) and a shield (30; 30a). The burner includes a fuel container (21) having a top defining an opening (23; 23a). A wick (22) has a bottom end (24) and a top end (25). The bottom end (24) is inserted into the fuel container (21) via the opening (23; 23a), and the top end (25) protrudes outside the fuel container (21) and is at a first height (H1) in a vertical direction. The shield (30; 30a) defines a space (31; 31a), and the burner (20) is disposed within the space (31; 31a). The shield (30; 30a) has a first through-hole (34; 34a) extending therethrough and communicating the space (31; 31a) and the outside of the shield (30; 30a). The first through-hole (34; 34a) is at a second height (H2) in the vertical direction, and the second height (H2) is less than the first height (H1).

IPC 8 full level

**F23D 3/18** (2006.01)

CPC (source: EP US)

**F23D 3/18** (2013.01 - EP US); **F23D 2202/00** (2013.01 - US); **F23D 2206/0057** (2013.01 - US); **F23D 2209/00** (2013.01 - US); **F23D 2900/31** (2021.05 - EP)

Citation (applicant)

TW I625493 B 20180601

Citation (search report)

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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

DOCDB simple family (publication)

**EP 3671037 A1 20200624**; TW 202024536 A 20200701; TW I689686 B 20200401; US 2020200382 A1 20200625

DOCDB simple family (application)

**EP 19161603 A 20190308**; TW 107146075 A 20181220; US 201916251240 A 20190118