

Title (en)
COMBUSTION DEVICE

Title (de)
VERBRENNUNGSVORRICHTUNG

Title (fr)
DISPOSITIF DE COMBUSTION

Publication
EP 3627048 A1 20200325 (EN)

Application
EP 19154602 A 20190130

Priority
TW 107132745 A 20180918

Abstract (en)
A combustion device (10) includes a fuel reservoir (20) which includes a container (21) and a tray (22) disposed on the container and a wick (30) inserted through a first hole (221) of the tray and into a space (211) of the container. Further, the combustion device includes a heat insulating and dissipating device (40) which includes a heat insulating member (41) and a heat dissipating member (42) encircling the wick. The heat insulating member is made of a non-metallic material. The heat dissipating member is made of a metallic material.

IPC 8 full level
F23D 3/24 (2006.01); **F24C 5/04** (2006.01)

CPC (source: EP US)
F23D 3/08 (2013.01 - EP); **F23D 3/20** (2013.01 - EP); **F23D 3/24** (2013.01 - EP); **F23D 3/26** (2013.01 - US); **F23D 3/40** (2013.01 - EP); **F23D 2900/03082** (2013.01 - EP); **F23D 2900/05002** (2013.01 - EP); **F23D 2900/31004** (2021.05 - US); **F24C 5/04** (2013.01 - EP)

Citation (applicant)
US 9476586 B2 20161025 - CHEN WEI-LONG [TW]

Citation (search report)
• [Y] TW I625493 B 20180601 & US 2019101281 A1 20190404 - CHEN WEI-LONG [TW]
• [Y] WO 2012149928 A1 20121108 - WEBASTO AG [DE], et al
• [A] DE 348229 C 19220204 - KARL GIELOW
• [Y] EP 2829798 A1 20150128 - PRO IRODA IND INC [TW]
• [A] US 2016061456 A1 20160303 - JANG SEONG GEUN [KR]

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 3627048 A1 20200325; TW 202012846 A 20200401; US 2020088401 A1 20200319

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EP 19154602 A 20190130; TW 107132745 A 20180918; US 201816174404 A 20181030