

Title (en)
ORNAMENTAL-FLAME BURNER

Title (de)
ORNAMENTAL-FLAMMENBRENNER

Title (fr)
BRÛLEUR À FLAMME ORNEMENTALE

Publication
EP 4118380 A4 20240327 (EN)

Application
EP 21766879 A 20210309

Priority
• US 2021021424 W 20210309
• US 202062987535 P 20200310

Abstract (en)
[origin: WO2021183461A1] A burner includes a plurality of end nipples and at least one jet supported by and protruding outwardly from each end nipple. The end nipples and the jets are brass. Each end nipple includes a first end that is threaded, a second end that is closed, a wall extending from the first end to the second end and including a bore extending through the first end to the second end, and a threaded hole extending through the wall to the bore. The first end of the end nipple, the second end of the end nipple, and the wall of the end nipple are unitary. Each jet includes a threaded portion threadedly engaged with the threaded hole and a fuel combustion outlet spaced from the threaded portion and a barrel extending from the fuel combustion outlet toward the threaded portion. The barrel has a larger outer diameter than the threaded portion.

IPC 8 full level
F23D 14/58 (2006.01); **F23C 5/02** (2006.01); **F23D 14/04** (2006.01); **F23D 14/08** (2006.01); **F23D 14/64** (2006.01); **F23D 23/00** (2006.01); **F24C 3/00** (2006.01); **F24C 3/08** (2006.01)

CPC (source: EP US)
F23C 5/02 (2013.01 - EP); **F23D 14/045** (2013.01 - EP); **F23D 14/085** (2013.01 - EP); **F23D 14/58** (2013.01 - EP US); **F23D 14/64** (2013.01 - EP); **F23D 23/00** (2013.01 - EP); **F24C 3/006** (2013.01 - EP); **F24C 3/08** (2013.01 - EP); **F23D 2203/007** (2013.01 - EP); **F23D 2900/14003** (2013.01 - EP); **F23D 2900/14641** (2013.01 - EP); **F23D 2900/21004** (2013.01 - EP)

Citation (search report)
• [Y] US 10571117 B1 20200225 - STONE RAY R [US], et al
• [Y] US 2559527 A 19510703 - ROGER WILLIAMS JOHN
• [A] US 1818783 A 19310811 - BEAM VILYNN O
• See references of WO 2021183461A1

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)
WO 2021183461 A1 20210916; CA 3171112 A1 20210916; EP 4118380 A1 20230118; EP 4118380 A4 20240327; MX 2022011184 A 20230104; US 2023103813 A1 20230406

DOCDB simple family (application)
US 2021021424 W 20210309; CA 3171112 A 20210309; EP 21766879 A 20210309; MX 2022011184 A 20210309; US 202117910213 A 20210309