

Title (en)
PORTED BURNER

Title (de)
PORTIERTER BRENNER

Title (fr)
BRÛLEUR À ORIFICES

Publication
EP 3926236 A2 20211222 (EN)

Application
EP 21178907 A 20210611

Priority
US 202063039744 P 20200616

Abstract (en)
A fuel burner includes a tube extending along a centerline from a first end to a second end and having an outer surface and an inner surface defining a central passage. The central passage is supplied at the first end with a mixture of air and combustible fuel pre-mixed upstream of the tube. The second end is closed by an end wall in a fluid-tight manner. The tube has fluid directing structure for directing the pre-mixed mixture radially outward from the central passage to an exterior of the tube such that flames exiting adjacent fluid directing structures extend towards and impinge one another.

IPC 8 full level
F23D 14/58 (2006.01)

CPC (source: EP US)
F23D 14/02 (2013.01 - US); **F23D 14/58** (2013.01 - EP); **F23D 14/70** (2013.01 - US); **F23D 2203/1012** (2013.01 - EP US); **F23D 2203/102** (2013.01 - EP); **F23D 2203/1026** (2013.01 - US)

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3926236 A2 20211222; **EP 3926236 A3 20220309**; EP 4001758 A1 20220525; US 2021388981 A1 20211216

DOCDB simple family (application)
EP 21178907 A 20210611; EP 22150730 A 20210611; US 202117338752 A 20210604