

Title (en)  
PORTED BURNER

Title (de)  
PORTIERTER BRENNER

Title (fr)  
BRÛLEUR À ORIFICES

Publication  
**EP 3926236 A3 20220309 (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)

Citation (search report)

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Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 21178907 A 20210611; EP 22150730 A 20210611; US 202117338752 A 20210604**