

Title (en)  
FLAME PRODUCING ASSEMBLIES

Title (de)  
FLAMMENERZEUGUNGSANORDNUNG

Title (fr)  
ENSEMBLES DE PRODUCTION DE FLAMME

Publication  
**EP 4095438 A1 20221130 (EN)**

Application  
**EP 21176143 A 20210527**

Priority  
EP 21176143 A 20210527

Abstract (en)  
A flame producing assembly is disclosed. The flame producing assembly comprises a fuel container and a fuel nozzle arrangement. The fuel nozzle arrangement is configured to produce a flame. The fuel nozzle arrangement comprises a fuel supply channel and a fuel nozzle having a fuel nozzle opening. The fuel supply channel extends from the fuel container to the fuel nozzle opening of the fuel nozzle. The fuel nozzle opening is oriented along an axis A in a flame direction f. The wind resistant flame producing assembly further comprises a nozzle arrangement, a compressed fluid supply for storing compressed fluid, and a compressed fluid valve. The nozzle arrangement has a nozzle outlet which at least partially encircles the fuel nozzle arrangement. The nozzle arrangement is suppliable with compressed fluid from the compressed fluid supply via activation of the compressed fluid valve. The nozzle arrangement is shaped such that, when being supplied with compressed fluid during operation of the flame producing assembly, an at least partially encircling fluid curtain C is created around the flame F.

IPC 8 full level  
**F23D 14/58** (2006.01); **F23D 99/00** (2010.01); **F23Q 2/16** (2006.01)

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**F23D 14/58** (2013.01 - EP); **F23D 14/76** (2013.01 - US); **F23D 99/00** (2013.01 - EP); **F23Q 2/16** (2013.01 - EP US); **F23D 2209/20** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)  
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**EP 21176143 A 20210527**; CN 202280032818 A 20220524; EP 2022064038 W 20220524; US 202218563691 A 20220524