

Title (en)

TORCH WITH INTEGRAL FLASHBACK ARRESTOR AND THERMAL SHUT-OFF DEVICE

Title (de)

BRENNER MIT INTEGRIERTER FLAMMENRÜCKSCHLAGSICHERUNG UND VORRICHTUNG ZUR THERMISCHEN ABSCHALTUNG

Title (fr)

CHALUMEAU À DISPOSITIF D'ARRÊT DE RETOUR DE FLAMME ET DISPOSITIF D'ARRÊT THERMIQUE INTÉGRÉS

Publication

EP 3563088 A4 20200805 (EN)

Application

EP 16925294 A 20161230

Priority

US 2016069392 W 20161230

Abstract (en)

[origin: WO2018125187A1] A torch with integral flashback arrestor and thermal shut-off device is provided. In one approach, a torch body includes a passageway of the torch body, and a cartridge assembly disposed within the passageway. The cartridge assembly may include at least one of: a resettable pressure-sensitive device, and a thermal shut-off device, wherein the pressure-sensitive device and the thermal shut-off device are modifiable from a first configuration to a second configuration in response to a pressure or temperature gradient in the torch body, and wherein the second configuration restricts flow through the passageway. The cartridge may further include a check valve disposed along the passageway, for example, within a bore of a bushing, or within a retainer coupled to the torch body at an inlet of the passageway.

IPC 8 full level

F23D 14/46 (2006.01); **A62C 4/02** (2006.01); **F16K 17/38** (2006.01); **F23D 14/38** (2006.01); **F23D 14/72** (2006.01); **F23D 14/82** (2006.01); **F23N 3/04** (2006.01); **F23N 5/04** (2006.01); **F23N 5/24** (2006.01)

CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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