

Title (en)

PRESSURE-RELIEF DEVICE WITH FLAME ARRESTOR FOR A HOUSING ENCLOSED IN A PRESSURE-PROOF MANNER

Title (de)

DRUCKENTLASTUNGSVORRICHTUNG MIT FLAMMENSPERRE FÜR DRUCKFEST GEKAPSELTE GEHÄUSE

Title (fr)

DISPOSITIF DE DÉTENTE DE PRESSION AVEC UN PARE-FLAMME POUR UN BOÎTIER ENCAPSULÉ RÉSISTANT À LA PRESSION

Publication

**EP 2566585 B1 20220413 (DE)**

Application

**EP 11718060 A 20110503**

Priority

- DE 102010016782 A 20100504
- EP 2011057054 W 20110503

Abstract (en)

[origin: WO2011138325A1] In a protective housing of the pressure-proof enclosure type, a pressure-relief device (18) which comprises a porous body (23) is provided. The edge of said porous body is provided with a pore seal (31) in order to prevent a flame from penetrating at its edge. The pore seal forms a connection without gaps in conjunction with the surrounding receiving body (19). For example, the porous unprocessed body (23) can be encompassed on the edge region by a soft metal ring and can be pressed, for example, by a predetermined conical contour of a receiving body and a pressure ring such that the deformation produces an embedding without gaps. In addition, the deformation can be maintained in a permanent manner by means of resilient elements in order to compensate for the thermal expansion of the various materials during temperature fluctuations.

IPC 8 full level

**A62C 4/00** (2006.01)

CPC (source: EP US)

**A62C 3/00** (2013.01 - US); **A62C 4/00** (2013.01 - EP US)

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