

Title (en)

Protective element, system and method for protection the valve region of a pressurised gas container

Title (de)

Schutzelement, System und Verfahren für den Schutz des Ventilbereichs eines Druckgasbehälters

Title (fr)

Élément de protection, système et procédé pour la protection de la région de la soupape d'un récipient de gaz pressurisé

Publication

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Application

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Priority

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Abstract (en)

The protective element (1) for a pressurized gas container (12) according to the present invention is comprising a jacket tube (2) limited in direction of an adjustment axis (3) by an upper opening (4) and a lower opening (5), wherein at least 80 % of the lateral surface area (6) of the jacket tube (2) is unperforated. The protective element (1) according to the present invention allows the protection of pressurised gas containers which are filled e. g. with inflammable and/or toxic gases during filling of or extraction from the pressurised gas container (12). The operator and the surrounding can be protected from explosions and from the generation of toxic gas mixtures. In both cases an emergency flag can be set and an evacuation of the surrounding and/or the extraction of the harmful gas mixtures can be started.

IPC 8 full level

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Citation (applicant)

US 6311722 B1 20011106 - GOUNOT ETIENNE [FR], et al

Citation (search report)

- [X] US 6209749 B1 20010403 - GUESS WILLIAM H [US]
- [X] DE 10050024 A1 20010523 - VTI VENTIL TECHNIK GMBH [DE]
- [X] FR 2704931 A1 19941110 - SCHNEIDER IND [FR]
- [XI] US 5158204 A 19921027 - MARTRICH ROBERT L [US], et al
- [I] DE 8403607 U1 19840628
- [A] US 6003540 A 19991221 - BRUNI MAURICE [FR], et al
- [A] US 1933198 A 19331031 - WATKINS WALTER G

Cited by

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