

Title (en)

GAS PRESSURE VESSEL WITH ELECTRONIC DEVICE AUTOMATICALLY CALCULATING THE EXPIRATION DATE OF THE GAS

Title (de)

GASDRUCKBEHÄLTER MIT ELEKTRONISCHER VORRICHTUNG ZUR AUTOMATISCHEN BERECHNUNG DES VERFALLSDATUMS DES GASES.

Title (fr)

RÉCIPIENT DE GAZ SOUS PRESSION À DISPOSITIF ÉLECTRONIQUE CALCULANT AUTOMATIQUEMENT LA DATE DE PÉREMPTION DU GAZ

Publication

EP 3875837 B1 20221123 (FR)

Application

EP 21153062 A 20210122

Priority

FR 2002172 A 20200304

Abstract (en)

[origin: US2021278047A1] The invention relates to a pressurized gas container, in particular a gas cylinder, having an internal volume for gas storage, a fluid-distributing valve, a pressure sensor and microprocessor-based control means. The microprocessor-based control means are configured to detect filling of the gas container with gas, by comparing said at least one pressure value measured by the pressure sensor with at least one predefined and stored reference pressure threshold value; then to initiate a timer on the basis of a detection of filling of the gas container with gas; and to trigger a warning when the timer exceeds a given period calculated from the initiation of the timer.

IPC 8 full level

F17C 13/02 (2006.01)

CPC (source: EP US)

F17C 13/02 (2013.01 - EP); **F17C 13/025** (2013.01 - US); **F17C 13/04** (2013.01 - US); **G08B 5/38** (2013.01 - US); **G08B 21/182** (2013.01 - US); **F17C 2201/0104** (2013.01 - EP US); **F17C 2201/032** (2013.01 - EP); **F17C 2201/056** (2013.01 - EP); **F17C 2201/058** (2013.01 - EP); **F17C 2203/0639** (2013.01 - EP); **F17C 2203/0646** (2013.01 - EP); **F17C 2203/0663** (2013.01 - EP); **F17C 2205/0165** (2013.01 - EP); **F17C 2205/0188** (2013.01 - EP); **F17C 2205/0308** (2013.01 - EP); **F17C 2205/0323** (2013.01 - US); **F17C 2205/0338** (2013.01 - EP); **F17C 2221/011** (2013.01 - EP US); **F17C 2221/014** (2013.01 - EP); **F17C 2221/017** (2013.01 - EP); **F17C 2221/03** (2013.01 - EP); **F17C 2221/031** (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP); **F17C 2223/036** (2013.01 - EP); **F17C 2250/032** (2013.01 - EP US); **F17C 2250/036** (2013.01 - EP US); **F17C 2250/043** (2013.01 - EP US); **F17C 2250/0443** (2013.01 - EP US); **F17C 2250/0473** (2013.01 - EP); **F17C 2250/0491** (2013.01 - EP); **F17C 2250/0495** (2013.01 - EP); **F17C 2250/075** (2013.01 - EP); **F17C 2260/026** (2013.01 - EP); **F17C 2265/04** (2013.01 - EP); **F17C 2270/025** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3875837 A1 20210908; **EP 3875837 B1 20221123**; FR 3107940 A1 20210910; FR 3107940 B1 20220211; US 11808407 B2 20231107; US 2021278047 A1 20210909

DOCDB simple family (application)

EP 21153062 A 20210122; FR 2002172 A 20200304; US 202117192051 A 20210304