

Title (en)
Improvements in high pressure gas cylinders.

Title (de)
Hochdruckgasflaschen.

Title (fr)
Bonbonnes à gaz à haute pression.

Publication
EP 0050947 A2 19820505 (EN)

Application
EP 81304840 A 19811016

Priority
US 20002280 A 19801023

Abstract (en)
A one-piece high pressure impact-extruded aluminium gas cylinder has an upstanding neck, in which is formed an auxiliary aperture, particularly intended to receive a check valve which is depressible from its seating for normal operational release of gas from the cylinder. An over pressure relief mechanism is fitted either in the mouth of the cylinder or in a second auxiliary aperture in the neck, preferably diametrically opposite the first auxiliary aperture. Where two auxiliary apertures are provided the fitments therein are preferably axially short to permit a fitment in the mouth to extend down through the neck into the main body of the cylinder.

IPC 1-7
F17C 1/14; **F17C 13/00**; **F17C 1/00**

IPC 8 full level
F17C 1/00 (2006.01); **F17C 1/14** (2006.01); **F17C 13/04** (2006.01); **F17C 13/12** (2006.01)

CPC (source: EP)
F17C 1/14 (2013.01); **F17C 13/04** (2013.01); **F17C 2201/0109** (2013.01); **F17C 2203/0639** (2013.01); **F17C 2203/0646** (2013.01); **F17C 2205/0329** (2013.01); **F17C 2205/0332** (2013.01); **F17C 2205/0335** (2013.01); **F17C 2205/0385** (2013.01); **F17C 2205/0394** (2013.01); **F17C 2209/2181** (2013.01); **F17C 2221/035** (2013.01); **F17C 2223/0153** (2013.01); **F17C 2223/033** (2013.01); **F17C 2260/042** (2013.01)

Cited by
EP1701085A3; EP1701086A3; DE102008049990A1; DE102008049990B4; DE102019217896A1; EP4174358A1; AU2022263483B2; EP0050898B1; DE102019217896B4; WO2021099542A1

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0050947 A2 19820505; **EP 0050947 A3 19820901**; AU 7671981 A 19820429; BR 8106814 A 19820706; DK 465281 A 19820424; ES 273305 U 19840616; ES 273305 Y 19850101; JP S57101195 A 19820623; ZA 817195 B 19830330

DOCDB simple family (application)
EP 81304840 A 19811016; AU 7671981 A 19811022; BR 8106814 A 19811022; DK 465281 A 19811021; ES 273305 U 19811022; JP 16996481 A 19811023; ZA 817195 A 19811016