

Title (en)

Pressure container for gases of high purity.

Title (de)

Druckbehälter zur Speicherung von Gasen hoher Reinheit.

Title (fr)

Réservoirs sous pression pour gaz de haute pureté.

Publication

EP 0314609 A2 19890503 (DE)

Application

EP 88730233 A 19881025

Priority

DE 3736579 A 19871026

Abstract (en)

[origin: US4884708A] A pressure vessel for the storage of gas has a bottom part, a cylindrical jacket and a head part with a neck, these parts are made of a corrosionproof stainless steel having up to 0.06% C, from 1.5 to 6% Mn, from 0.3 to 1% Si, from 16 to 25% Cr, from 4 to 18% Ni, from 0 to 4% Mb, from 0 to 0.35% nitrogen, from 0 to 0.25% Nb, all percentages by weight, the remainder being iron with the conventional low level impurities; following shaping, the interior surfaces are electrochemically polished; a valve with an adapter is provided for adapting dimensions of the valve to the neck, and a protective cap is threaded onto an upper portion of the head part; through welding or a non welded e.g. a threaded connection the adaptor is connected to the valve, and a nut or welding connection connects the adaptor to the neck.

Abstract (de)

Die Erfindung betrifft einen Druckgasbehälter (1) aus Stahl zur Speicherung und Aufnahme von Gasen, bei dem zur Vermeidung von Verunreinigungen und/oder einer Beeinträchtigung der Gemischkonstanz der Gase der Behälter aus einem Stahl besonderer Zusammensetzung besteht und der Boden (2), der Mantel (3) und das Kopfteil (4) des Behälters in besonderer Weise ausgebildet sind. <IMAGE>

IPC 1-7

F17C 1/00; **F17C 1/10**; **F17C 13/00**

IPC 8 full level

F17C 1/00 (2006.01); **F17C 1/10** (2006.01); **F17C 13/00** (2006.01)

CPC (source: EP US)

F17C 1/00 (2013.01 - EP US); **F17C 1/10** (2013.01 - EP US); **F17C 13/002** (2013.01 - EP US); **F17C 2201/0119** (2013.01 - EP US); **F17C 2201/032** (2013.01 - EP US); **F17C 2201/056** (2013.01 - EP US); **F17C 2203/0617** (2013.01 - EP US); **F17C 2203/0636** (2013.01 - EP US); **F17C 2203/0643** (2013.01 - EP US); **F17C 2203/0648** (2013.01 - EP US); **F17C 2203/0658** (2013.01 - EP US); **F17C 2203/0663** (2013.01 - EP US); **F17C 2205/018** (2013.01 - EP US); **F17C 2205/0305** (2013.01 - EP US); **F17C 2205/0308** (2013.01 - EP US); **F17C 2205/0329** (2013.01 - EP US); **F17C 2205/0382** (2013.01 - EP US); **F17C 2205/0394** (2013.01 - EP US); **F17C 2209/2172** (2013.01 - EP US); **F17C 2209/221** (2013.01 - EP US); **F17C 2221/016** (2013.01 - EP US); **F17C 2221/03** (2013.01 - EP US); **F17C 2221/05** (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP US); **F17C 2223/036** (2013.01 - EP US); **F17C 2260/012** (2013.01 - EP US); **F17C 2260/05** (2013.01 - EP US); **F17C 2260/053** (2013.01 - EP US); **F17C 2270/05** (2013.01 - EP US); **F17C 2270/0518** (2013.01 - EP US)

Cited by

EP0370986A3; US5082243A; CZ305422B6; IT202100009098A1; WO2022218672A1

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