

Title (en)
PRESSURIZED GAS CYLINDER MADE FROM AN AUSTENITIC STEEL ALLOY

Publication
EP 0243663 B1 19920506 (DE)

Application
EP 87104162 A 19870320

Priority
DE 3614290 A 19860426

Abstract (en)
[origin: US4772337A] A compress gas container is made from Austenite steel alloy and is later strengthened or stabilized by cryo-deformation. The Austenite steel alloy is a metastable CrNi steel with a combined titanium and niobium content no greater than 0.02% by weight and a carbon content no greater than 0.045% by weight. With the nickel content up to 9.5% by weight, the carbon content is between 0.03% to 0.045%; and with the nickel content between 9.5% and 10%, the carbon content is below 0.03%.

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B21D 51/24; C25F 3/24

IPC 8 full level
C21D 8/10 (2006.01); **B21D 51/24** (2006.01); **C22C 38/00** (2006.01); **C22C 38/40** (2006.01); **C22C 38/44** (2006.01); **C22C 38/50** (2006.01); **C25F 3/24** (2006.01); **F17C 1/00** (2006.01); **F17C 1/02** (2006.01)

CPC (source: EP US)
C22C 38/40 (2013.01 - EP US); **C22C 38/44** (2013.01 - EP US); **F17C 1/00** (2013.01 - EP US); **F17C 2201/0109** (2013.01 - EP US); **F17C 2201/058** (2013.01 - EP US); **F17C 2203/0629** (2013.01 - EP US); **F17C 2203/0643** (2013.01 - EP US); **F17C 2203/0648** (2013.01 - EP US); **F17C 2205/0323** (2013.01 - EP US); **F17C 2205/0329** (2013.01 - EP US); **F17C 2205/0394** (2013.01 - EP US); **F17C 2209/2172** (2013.01 - EP US); **F17C 2221/011** (2013.01 - EP US); **F17C 2223/0123** (2013.01 - EP US); **F17C 2223/036** (2013.01 - EP US); **F17C 2260/011** (2013.01 - EP US); **F17C 2260/012** (2013.01 - EP US); **F17C 2260/053** (2013.01 - EP US); **F17C 2270/0781** (2013.01 - EP US)

Cited by
DE102011105426A1; EP0840054A3; DE102011105426B4; WO2012175499A3; WO2012175498A1; EP2865612A1; US10287090B2

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